

Independent Auditors' Reports as Required by Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards,* and *Government Auditing Standards,* and Related Information

Year ended June 30, 2022

Independent Auditors' Reports as Required by Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards,* and *Government Auditing Standards,* and Related Information

Year ended June 30, 2022

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### **Independent Auditors' Report**

The Board of Directors
The Research Foundation for The State University of New York:

#### Report on the Audit of the financial Statements

#### Opinion

We have audited the financial statements of The Research Foundation for The State University of New York (the Foundation), which comprise the balance sheet as of June 30, 2022, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Foundation as of June 30, 2022, and the changes in its net assets and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.

#### Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the financial Statements section of our report. We are required to be independent of the Foundation and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### Responsibilities of Management for the financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. generally accepted accounting principles, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Foundation's ability to continue as a going concern for one year after the date the financial statements are issued.

### Auditors' Responsibilities for the Audit of the financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.



In performing an audit in accordance with GAAS and Government Auditing Standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Foundation's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

#### Report on Summarized Comparative Information

We have previously audited the Foundation's 2021 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated October 27, 2021. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2021, is consistent, in all material respects, with the audited financial statements from which it has been derived.

### Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 7, 2022 on our consideration of the Foundation's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Foundation's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Foundation's internal control over financial reporting and compliance.



Albany, New York October 7, 2022

### **Balance Sheets**

June 30, 2022 and 2021

| Assets  | -  | 2022          | 2021          |
|---|----|---------------|---------------|
| Current assets:                                   |    |               |               |
| Cash and cash equivalents                         | \$ | 19,509,203    | 12,181,167    |
| Accounts receivable, net                          |    | 190,387,098   | 187,743,273   |
| Advances to others                                |    | 19,271,951    | 16,337,522    |
| Investments                                       |    | 523,589,836   | 545,686,607   |
| Due from broker for securities sold               |    | 7,500,004     | 3,016,832     |
| Other current assets                              | -  | 1,100,307     | 598,158       |
| Total current assets                              | -  | 761,358,399   | 765,563,559   |
| Noncurrent assets:                                |    |               |               |
| Investments                                       |    | 134,428,683   | 123,324,357   |
| Fixed assets, net                                 |    | 525,464,494   | 537,917,784   |
| Intangible assets, net                            |    | 7,232,548     | 8,626,250     |
| Other noncurrent assets                           | -  | 8,284,255     | 9,169,734     |
| Total noncurrent assets                           | -  | 675,409,980   | 679,038,125   |
| Total assets                                      | \$ | 1,436,768,379 | 1,444,601,684 |
| Liabilities and Net Assets                        |    |               |               |
| Current liabilities:                              |    |               |               |
| Accounts payable and accrued expenses             | \$ | 82,529,287    | 84,639,520    |
| Accrued compensation                              |    | 41,304,371    | 44,332,655    |
| Accrued leave                                     |    | 34,710,537    | 35,431,273    |
| Deferred revenue                                  |    | 267,392,230   | 276,814,405   |
| Deposits held for others                          |    | 41,808,386    | 32,161,818    |
| Due to broker for securities purchased            |    | · · · —       | 9,320,381     |
| Current portion of capital lease obligations      |    | 21,803,357    | 20,088,570    |
| Current portion of long-term debt                 |    | 1,030,714     | 1,020,714     |
| Line of credit                                    | _  | 9,500,000     | 14,860,000    |
| Total current liabilities                         | -  | 500,078,882   | 518,669,336   |
| Noncurrent liabilities:                           |    |               |               |
| Postretirement benefit obligation                 |    | 18,975,231    | 65,887,443    |
| Capital lease obligations, net of current portion |    | 157,778,559   | 179,581,916   |
| Long-term debt, net of current portion            |    | 4,295,000     | 5,325,715     |
| Other liabilities                                 | _  | 8,537,610     | 9,733,401     |
| Total noncurrent liabilities                      |    | 189,586,400   | 260,528,475   |
| Total liabilities                                 | _  | 689,665,282   | 779,197,811   |
| Net assets:                                       | -  |               |               |
| Without donor restrictions                        |    | 726,689,959   | 641,512,444   |
| With donor restrictions                           |    | 20,413,138    | 23,891,429    |
| Total net assets                                  | -  | 747,103,097   | 665,403,873   |
| Total liabilities and net assets                  | \$ | 1,436,768,379 | 1,444,601,684 |
|   | Ψ. | .,            | .,, ,         |

See accompanying notes to financial statements.

### Statement of Activities

Year ended June 30, 2022 (with summarized comparative information for the year ended June 30, 2021)

|   | Without donor restrictions | With donor restrictions | 2022 Total    | 2021 Total    |
|---|----------------------------|-------------------------|---------------|---------------|
| Revenue:  |                            |                         |               |               |
| Grants for research and other sponsored activities: |                            |                         |               |               |
| Federal   | \$ 351,370,626             | _                       | 351,370,626   | 318,815,284   |
| Federal flow through                                | 119,180,153                | _                       | 119,180,153   | 90,214,119    |
| New York State                                      | 177,428,984                | _                       | 177,428,984   | 253,510,452   |
| Private and other                                   | 280,317,337                |                         | 280,317,337   | 248,507,873   |
| Total grants for research and other                 |                            |                         |               |               |
| sponsored activities                                | 928,297,100                |                         | 928,297,100   | 911,047,728   |
| Indirect cost recoveries:                           |                            |                         |               |               |
| Federal   | 107,030,287                | _                       | 107,030,287   | 100,164,922   |
| Federal flow through                                | 27,396,687                 | _                       | 27,396,687    | 25,283,605    |
| New York State                                      | 7,950,470                  | _                       | 7,950,470     | 7,144,161     |
| Private and other                                   | 20,256,164                 |                         | 20,256,164    | 18,966,546    |
| Total indirect cost recoveries                      | 162,633,608                |                         | 162,633,608   | 151,559,234   |
| Other research-related income:                      |                            |                         |               |               |
| Inventions and licenses income                      | 16,775,971                 | _                       | 16,775,971    | 6,461,192     |
| Third party service center                          | 6,058,975                  | _                       | 6,058,975     | 4,860,528     |
| Agency fees   | 6,547,825                  | _                       | 6,547,825     | 6,652,471     |
| Fixed price awards                                  | 4,529,375                  | _                       | 4,529,375     | 4,626,599     |
| Institutional support funding                       | 37,893,174                 | _                       | 37,893,174    | 23,623,118    |
| Other   | 1,445,343                  |                         | 1,445,343     | 1,311,885     |
| Total other research-related income                 | 73,250,663                 | _                       | 73,250,663    | 47,535,793    |
| Investment return, net                              | (41,969,963)               | (2,419,338)             | (44,389,301)  | 92,277,517    |
| Net assets released from restrictions               | 1,058,953                  | (1,058,953)             |               |               |
| Total revenue                                       | 1,123,270,361              | (3,478,291)             | 1,119,792,070 | 1,202,420,272 |
| Expenses:   |                            |                         |               |               |
| Sponsored programs and other activities             | 886,680,029                | _                       | 886,680,029   | 885,750,872   |
| Indirect administrative and support expenses        | 133,974,950                | _                       | 133,974,950   | 153,253,163   |
| Other research-related expenses                     | 29,717,067                 |                         | 29,717,067    | 32,588,491    |
| Total expenses                                      | 1,050,372,046              |                         | 1,050,372,046 | 1,071,592,526 |
| Change in net assets from revenue and               |                            |                         |               |               |
| expenses  | 72,898,315                 | (3,478,291)             | 69,420,024    | 130,827,746   |
| Changes in net assets related to postretirement     | 40.000.000                 |                         | 40.000.00-    |               |
| benefit obligation                                  | 12,279,200                 |                         | 12,279,200    | 82,715,797    |
| Change in net assets                                | 85,177,515                 | (3,478,291)             | 81,699,224    | 213,543,543   |
| Net assets at beginning of year                     | 641,512,444                | 23,891,429              | 665,403,873   | 451,860,330   |
| Net assets at end of year                           | \$ 726,689,959             | 20,413,138              | 747,103,097   | 665,403,873   |

See accompanying notes to financial statements.

### Statements of Cash Flows

Years ended June 30, 2022 and 2021

|  | _  | 2022          | 2021          |
|--|----|---------------|---------------|
| Cash flows from operating activities:                              |    |               |               |
| Federal grants and contracts                                       | \$ | 593,969,165   | 533,594,200   |
| State and local grants and contracts                               |    | 189,131,298   | 233,681,911   |
| Private gifts and grants   |    | 310,663,127   | 277,588,417   |
| Other receipts   |    | 239,346,330   | 233,246,235   |
| Salaries and wages payments  |    | (432,594,661) | (394,326,005) |
| Employee benefits payments   |    | (152,014,230) | (144,361,345) |
| Payments to suppliers and vendors                                  |    | (487,156,444) | (513,148,132) |
| Operating interest and dividends                                   |    | 5,556,249     | 2,480,027     |
| Distribution from BSA partnership                                  |    | 2,223,902     | 2,720,142     |
| Interest payments on capital debt and notes                        |    | (16,136,109)  | (17,747,547)  |
| Other payments   | _  | (109,421,413) | (97,826,725)  |
| Net cash provided by operating activities                          | _  | 143,567,214   | 115,901,178   |
| Cash flows from investing activities:                              |    |               |               |
| Proceeds from sales of investments                                 |    | 46,631,206    | 37,192,912    |
| Purchases of investments   |    | (132,217,565) | (100,483,346) |
| Proceeds from sales of fixed assets                                |    | 2,500         | 208,519       |
| Cash paid for purchases of fixed and intangible assets             | _  | (71,807,185)  | (92,290,047)  |
| Net cash used in investing activities                              | -  | (157,391,044) | (155,371,962) |
| Cash flows from financing activities:                              |    |               |               |
| Principal payments on long-term debt and capital lease obligations |    | (21,109,285)  | (19,524,360)  |
| Proceeds from line of credit                                       |    | 20,375,393    | 51,217,835    |
| Payments on line of credit   |    | (25,735,393)  | (40,357,835)  |
| Net cash used in financing activities                              | -  | (26,469,285)  | (8,664,360)   |
| Net change in cash and cash equivalents                            | _  | (40,293,115)  | (48,135,144)  |
| Cash and cash equivalents, beginning of year                       |    | 159,110,219   | 207,245,363   |
| Cash and cash equivalents, end of year                             | \$ | 118,817,104   | 159,110,219   |
| odon and odon equivalents, end of year                             | Ψ_ | 110,017,104   | 100,110,219   |

See accompanying notes to financial statements.

Notes to Financial Statements June 30, 2022 and 2021

### (1) Organization

The Research Foundation for The State University of New York (RF) is the largest comprehensive university-connected research foundation in the country. It provides essential administrative services that enable State University of New York (SUNY) faculty to focus their efforts on educating students and performing life-changing research across a wide range of disciplines including Artificial Intelligence, Clean Energy, Biotechnology, Longevity, Substance Addiction, Nextgen Quantum Computing, Environmental Health, and Resiliency. The RF works with the academic and business leadership of SUNY campuses to facilitate research and discovery by administering sponsored projects and delivering intellectual property and technology transfer services that fuel innovation and move ideas and inventions to the marketplace.

The RF comprises a central office and operating units at 30 state-operated campuses across New York State and is governed by an independent board of directors. The RF was chartered in 1951 by the New York State Board of Regents as a nonprofit education corporation.

### (2) Summary of Significant Accounting Polices

#### (a) Basis of Presentation

The accompanying financial statements of the RF are presented consistent with Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 958, *Not-for-Profit Entities*.

The financial statements include certain prior year summarized comparative information in total but not by net asset class. Accordingly, such information should be read in conjunction with the RF's financial statements for the year ended June 30, 2021, from which the summarized information was derived.

#### (b) Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make significant estimates and assumptions that affect the reported amounts of liabilities and net assets and disclosures of contingencies as of the dates of the financial statements and the reported amounts of change in net assets during the reporting periods. The most significant areas which are affected by the use of estimates include allowances for doubtful receivables, commitments and contingencies, useful lives and valuation of long-lived assets, and certain actuarial assumptions that affect the postretirement benefit obligation. Actual results could differ from those estimates and the differences between estimates and actual results could be significant.

### (c) Risks and Uncertainties

In March 2020, the World Health Organization declared the novel coronavirus (COVID-19) a pandemic. Although it is not possible to determine the pandemic's ultimate length, severity, or impacts on the economy or the RF's financial position and operations, the RF may experience material adverse effects posed by the risks, or our stakeholders' perceptions of the risks, related to COVID-19. As a result of the pandemic, beginning in March 2020, the RF temporarily suspended in-person research and other campus-based activities. Although Federal and certain other sponsors allowed for the continuance of funding under their grant agreements, the flexibilities afforded under these continuances was limited and temporary. Additionally, the RF has and will continue to incur certain incremental costs due to the pandemic, including moving to online work environments and costs associated with protocols put in place to return to campus laboratories and offices.

Notes to Financial Statements June 30, 2022 and 2021

### (d) Net Asset Classes

The accompanying financial statements present information regarding the RF's balance sheet and activities according to two classes of net assets: without donor restrictions and with donor restrictions.

Without donor restrictions: net assets are not subject to donor stipulations restricting their use but may be designated for specific purposes by the RF or may be limited by contractual agreements with outside parties.

With donor restrictions: net assets are subject to donor stipulations that expire with the passage of time, can be fulfilled by actions pursuant to the stipulations, or which may be perpetual.

The RF has two \$10 million endowment grants from the National Institute on Minority Health and Health Disparities (NIMHD), which were fully collected by the RF over the first five-year periods of each grant. The endowments are invested on behalf of the RF by the University at Albany Foundation (UAF) and the Health Science Center at Brooklyn Foundation, Inc. (HSCBF) under long-term service agreements. As of June 30, 2022 and 2021, the net asset balances of the funds were \$20.4 million and \$23.9 million, respectively. Under these grants, the endowment returns are to be used to facilitate minority health and health disparities research.

Aside from the NIHMD endowment balances, the RFs net assets have no other donor-imposed restrictions.

### (e) Revenue Recognition

Grants and contracts awarded by federal and other sponsors, which are generally considered nonreciprocal transactions restricted by sponsors for certain purposes, are recognized as revenue when qualifying expenditures are incurred and conditions under the agreements are met. The RF has elected the simultaneous release policy, which allows a not-for-profit organization to recognize a restricted contribution directly in net assets without donor restrictions if the restriction is met in the same period that the revenue is recognized. The RF recognizes reimbursement of facilities and administrative costs relating to government and other contracts and grants at authorized rates each year. Although not a condition or barrier to revenue recognition, all funds expended in connection with government grants and contracts are subject to audit by granting agencies. Amounts received in excess of revenue recognized are recorded as deferred revenue. In the opinion of management, any potential liability resulting from these audits will not have a material effect on the RF's financial position. Total revenue from grants and contracts recognized in net assets without donor restrictions was \$1,090.9 million and \$1,062.6 million for the years ended June 30, 2022 and 2021, respectively. Payments received from sponsors in advance of conditions being met are reported as deferred revenue, which totaled \$241.0 million and \$243.6 million as of June 30, 2022 and 2021, respectively.

Contributions, including unconditional promises to give, are recognized upon receipt at fair value. Contributions other than cash are recorded at fair value at the date of contribution. Contributions with donor-imposed restrictions are reported as revenues with donor restrictions and are reclassified to net assets without donor restrictions when an expenditure is incurred that satisfies the restriction or the designated time elapses.

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Notes to Financial Statements June 30, 2022 and 2021

Investment return includes dividends and interest, realized and unrealized gains and losses, and earnings from the RF's share in the Brookhaven Science Associates partnership (see note 4(c)). Purchases and sales of securities are recorded on a trade-date basis. Dividend income is recorded on the ex-dividend date. Interest income is recorded on the accrual basis of accounting. The average original purchase price of securities is used to determine the basis for computing realized and unrealized gains or losses.

Inventions and licenses income consists of royalties received from licenses and is recognized on the accrual basis. The income is distributed based on SUNY's Patents and Inventions Policy which governs the apportionment of income to inventors and campuses. Campus expenditures of their shares of the income (which fall under the provisions of the Bayh-Dole Act), and inventors' shares are reflected in the RF's inventions and licenses expenses.

Other research-related income is recognized on the accrual basis and primarily consists of third-party service center revenue, nonsponsored income from activities such as proceeds from the sale of equipment, and fees earned for administering human resources, payroll, purchasing and payables services to university-related organizations, such as foundations or clinical practice plans.

### (f) Cash Equivalents

For purposes of balance sheet presentation, cash equivalents include short-term, highly liquid investments with an original maturity of three months or less at the time of purchase, exclusive of amounts classified as noncurrent investments. Cash equivalents are stated at fair value and are considered a Level 1 financial asset as defined in note 4.

In accordance with ASU 2016-18, Statement of Cash Flows (Topic 230): Restricted Cash, cash equivalents classified as current investments are included as cash and cash equivalents for the purposes of the statement of cash flows. The following table provides a reconciliation of cash and cash equivalents as reported in the balance sheets to cash and cash equivalents reported in the statements of cash flows:

|   | _   | 2022        | 2021        |
|---|-----|-------------|-------------|
| Cash and cash equivalents   | \$  | 19,509,203  | 12,181,167  |
| Current investments (see note 4)                                      | _   | 99,307,901  | 146,929,052 |
| Total cash and cash equivalents shown in the statements of cash flows | \$_ | 118,817,104 | 159,110,219 |

### (g) Accounts Receivable

Accounts receivable includes:

(1) Deficit balances from sponsored program activity that result when spending occurs in advance of when funds are received:

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Notes to Financial Statements
June 30, 2022 and 2021

- (2) Deficit balances from service centers that are established and maintained to provide a specific service to sponsored programs and other users, recognized as rates are periodically adjusted to reflect actual expenses of those centers; and
- (3) Amounts billed and due from external sources of funding for other research-related income.

Accounts receivable is reported net of an allowance for doubtful accounts. The RF's allowance for doubtful accounts as of June 30, 2022 and 2021 was \$17.4 million and \$27.7 million, respectively.

Accounts receivable, net of the allowance for doubtful accounts, is summarized as follows as of June 30:

|                      | -  | 2022        | 2021        |
|----------------------|----|-------------|-------------|
| Accounts receivable: |    |             |             |
| Federal              | \$ | 57,903,697  | 52,539,588  |
| Federal flow through |    | 39,515,795  | 47,657,930  |
| New York State       |    | 67,540,684  | 64,573,061  |
| Private and other    | _  | 25,426,922  | 22,972,694  |
|                      | \$ | 190,387,098 | 187,743,273 |

#### (h) Investments

Investments are reported at fair value, which is generally the price that would be received from selling an asset in an orderly transaction between market participants at the measurement date. Certain investments in limited liability partnerships and corporations are measured at net asset value or its equivalent as a practical expedient to estimating fair value.

### (i) Fixed and Intangible Assets

Fixed and intangible assets are stated at cost, net of accumulated depreciation and amortization, and are depreciated on a straight-line basis over the estimated useful lives of the assets. Using historical and industry experience, estimated useful lives, with the exception of land, range from five to 50 years. The RF monitors its long-lived assets for impairment. If an indication of impairment is identified, the RF would perform the required analysis and, if applicable, it would record impairment charges.

Upon sale or retirement of capitalized assets, both the cost and the related accumulated depreciation and amortization are removed from the accounts and a gain or loss is recorded. Depreciation and amortization expense for the years ended June 30, 2022 and 2021 was \$84.1 million and \$72.3 million, respectively.

The title to equipment purchased using sponsored funds is generally retained by the grantor institution until such time final disposition is determined. Accordingly, purchases of equipment charged to the respective grant or contract are not capitalized, except for equipment or infrastructure purchased under a sponsored program for the purpose of economic development and for which title is retained by the RF.

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Notes to Financial Statements June 30, 2022 and 2021

### (j) Deferred Revenue

Deferred revenue includes:

- (1) Surplus balances from sponsored program activity that result when funds are received in advance of spending, recognized into revenue under the terms of the sponsored program; and
- (2) Surplus balances from service centers that are established and maintained to provide a specific service to sponsored programs and other users, recognized as rates are periodically adjusted to reflect actual expenses of those centers.

#### (k) Accrued Leave

RF employees are granted vacation and sick leave in varying amounts. In the event of termination or retirement, an employee is reimbursed for accumulated vacation up to a maximum of 30 days. Employees are not reimbursed for accumulated sick leave at termination; however, upon retirement up to 200 days of accumulated sick leave is considered in the computation of retirement benefits. Included in the leave accrual is an accrual for the net obligation under the sick leave benefit amounting to \$2.9 million as of June 30, 2022 and \$2.8 million as of June 30, 2021.

#### (I) Postretirement Benefit Obligation

The RF has a defined medical benefit postretirement plan covering substantially all of its nonstudent eligible employees upon their retirement. The RF's postretirement obligations are based on calculations that incorporate various actuarial and other assumptions, including discount rates, mortality, assumed rates of return on plan assets, compensation increases, turnover rates, and healthcare cost trend rates. The RF reviews its assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends when it is appropriate to do so. The effect of modifications to those assumptions is recorded in other changes to net assets and amortized to net periodic cost over future periods using the 10% corridor method. The net periodic costs are recognized as employees render the services necessary to earn the postretirement benefits.

The RF maintains a Voluntary Employee Benefit Association (VEBA) trust for the postretirement benefit plan. The assets held in the VEBA trust reduce the accumulated postretirement benefit obligation, as reported on the accompanying balance sheets.

### (m) Fair Value of Financial Instruments

The carrying amounts of accounts receivable, other current assets, accounts payable and accrued expenses, and deposits held for others approximate fair value due to the short duration of these financial instruments. See notes 4 and 5 for additional information regarding fair value considerations with respect to investments, deferred compensation assets and interest rate swap on outstanding bonds.

### (n) Tax Status

The RF is a not-for-profit corporation and has been determined by the Internal Revenue Service to be an organization described in Internal Revenue Code (IRC) Section 501(c)(3) and, therefore, is exempt from federal income taxes on related income pursuant to Section 501(a) of the Code.

Notes to Financial Statements June 30, 2022 and 2021

The RF recognizes the effects of income tax positions only if those positions are more likely than not to be sustained.

Management has determined there are no uncertain tax positions as of June 30, 2022 and 2021. The RF is subject to routine audits by taxing jurisdictions and believes that it is no longer subject to income tax examinations for years prior to the year ended June 30, 2018.

### (o) Other Information

Advances to others and deposits held for others represent amounts related to agency activity at the campus and affiliated organization locations.

Various SUNY employees perform work on RF sponsored grants. SUNY pays these employees directly, and is reimbursed by the RF monthly. The related amounts due to SUNY are included in accrued compensation and consist of both a known and estimated component. The total liability to SUNY at June 30, 2022 and 2021 is approximately \$13.2 million and \$11.6 million, respectively.

### (3) Liquidity and Availability

As of June 30, financial assets and liquidity resources available within one year for general expenditure, such as operating expenses and scheduled principal payments on debt, were as follows:

|  | _   | 2022        | 2021        |
|--|-----|-------------|-------------|
| Cash and cash equivalents                        | \$  | 19,509,203  | 12,181,167  |
| Accounts receivable, net                         |     | 190,387,098 | 187,743,273 |
| Investments                                      |     | 523,589,836 | 545,686,607 |
| Due from broker for securities sold              | _   | 7,500,004   | 3,016,832   |
| Total financial assets available within one year | \$_ | 740,986,141 | 748,627,879 |

The RF's annual cash flows are dependent on spending, billing and collections on thousands of individual sponsored awards across 30 campus locations. Cash-basis direct sponsored program spending, including capital equipment purchases, aggregated \$932.6 million and \$943.8 million during the years ended June 30, 2022 and 2021, respectively.

To help manage liquidity, the RF's investment policy ensures the RF has access to funds, as needed, during the year through allocations to readily redeemable cash equivalent funds, mutual funds, and exchange traded funds (see note 4). Additionally, the RF maintains lines of credit of \$65.0 million, that are drawn upon as needed during the year to manage cash flow, of which \$55.5 million is available to draw as of June 30, 2022 (see note 10).

Notes to Financial Statements June 30, 2022 and 2021

### (4) Fair Value Measurements

Except for investments reported at net asset value (NAV) or its equivalent as a practical expedient to estimate fair value, fair value is measured using three levels as described below:

Level 1: Inputs are unadjusted quoted market prices in active markets for identical assets or liabilities that are assessable at the measurement date.

Level 2: Inputs are other than quoted prices in active markets that are observable either directly or indirectly and fair value is determined through the use of models or other valuation methodologies.

Level 3: Inputs used in valuation are unobservable.

The following is a description of the valuation methodologies used for investments measured at fair value:

Mutual funds and exchange traded funds are reported at current quoted fair values as of the balance sheet date.

Investments in limited liability partnerships and corporations represent investments measured at NAV or its equivalent and consist of a diversified portfolio of hedge funds of funds, real estate, domestic and foreign equity funds, fixed income securities and private equity funds in various investment vehicles. These investments, which are not exchange traded, do not have readily determinable fair values. These investments are typically redeemable at NAV under the terms of the investment agreements. Estimates of fair value that are made using NAV per share or its equivalent as a practical expedient are not categorized in the fair value hierarchy.

Investments in pooled endowment portfolios are reported at the NAV of the RF's interest in the portfolios as a practical expedient to estimate fair value. The pooled endowments use diversified investment approaches incorporating multiple asset classes, strategies and managers, including alternative investment funds involving hedged and private equity strategies.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the RF believes its valuation methodologies are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine fair value of certain financial instruments could result in a materially different fair value measurement at the reporting dates.

Notes to Financial Statements June 30, 2022 and 2021

The following tables summarize, as of June 30, 2022 and 2021, the RF's investments as well as the liquidity redemption and notification provisions:

|  |          | 2022   |             |         |         |                      |                |  |  |
|--|----------|--------|-------------|---------|---------|----------------------|----------------|--|--|
|  | To       | otal   | Level 1     | Level 2 | Level 3 | Redemption frequency | Days<br>notice |  |  |
| Investments:                                   |          |        |             |         |         |                      |                |  |  |
| Cash equivalents                               | \$ 99,30 | 07,901 | 99,307,901  | _       | _       | Daily                | 1              |  |  |
| Mutual and exchange traded funds:              |          |        |             |         |         |                      |                |  |  |
| U.S. government fixed income                   | 61,62    | 29,938 | 61,629,938  | _       | _       | Daily                | 1              |  |  |
| U.S. equities                                  | 64,06    | 66,144 | 64,066,144  | _       | _       | Daily                | 1              |  |  |
| Foreign equities                               | 18,9°    | 17,122 | 18,917,122  | _       | _       | Daily/Monthly        | 1 to 15        |  |  |
| Real estate                                    | 34,14    | 12,352 | 34,142,352  | _       | _       | Daily                | 1              |  |  |
| U.S. equities                                  | (        | 33,755 | 63,755      | _       | _       | Daily                | 4              |  |  |
| Investments measured at NAV or its equivalent: |          |        |             |         |         |                      |                |  |  |
| Absolute multistrategy return                  | 83,3     | 10,644 | _           | _       | _       | Monthly/Quarterly    | 45 to 95       |  |  |
| Credit securities                              |          | 94,599 | _           | _       | _       | Monthly/Quarterly    | 45             |  |  |
| Global equities                                | 101,52   | 28,302 | _           | _       | _       | Mthly/Qtrly/Annly    | 30 to 90       |  |  |
| Hedged equities                                | 101,28   | 35,877 | _           | _       | _       | Quarterly            | 90             |  |  |
| Private equity                                 | 61,88    | 34,439 | _           | _       | _       | See (a) below        | N/A            |  |  |
| Pooled endow ments                             | 20,4     | 13,138 |             |         |         | See (b) below        | N/A            |  |  |
| Total investments at fair                      |          |        |             |         |         |                      |                |  |  |
| value  | 654,84   | 14,211 | 278,127,212 | _       | _       |                      |                |  |  |
| Investment in BSA partnership                  | 3,17     | 74,308 |             |         |         | See (c) below        | N/A            |  |  |
| Total investments                              | \$ 658,0 | 18,519 | 278,127,212 | _       | _       |                      |                |  |  |

Notes to Financial Statements June 30, 2022 and 2021

|  |                | 2021        |         |         |                      |                |  |  |  |  |
|--|----------------|-------------|---------|---------|----------------------|----------------|--|--|--|--|
|  | Total          | Level 1     | Level 2 | Level 3 | Redemption frequency | Days<br>notice |  |  |  |  |
| Investments:                                   |                |             |         |         |                      |                |  |  |  |  |
| Cash equivalents                               | \$ 146,929,052 | 146,929,052 | _       | _       | Daily                | 1              |  |  |  |  |
| Mutual and exchange traded funds:              |                |             |         |         | ·                    |                |  |  |  |  |
| U.S. government fixed income                   | 55,531,675     | 55,531,675  | _       | _       | Daily                | 1              |  |  |  |  |
| U.S. equities                                  | 60,580,968     | 60,580,968  | _       | _       | Daily                | 1              |  |  |  |  |
| Foreign equities                               | 32,239,309     | 32,239,309  | _       | _       | Daily/Monthly        | 1 to 15        |  |  |  |  |
| Real estate                                    | 36,555,471     | 36,555,471  | _       | _       | Daily                | 1              |  |  |  |  |
| U.S. equities                                  | 90,729         | 90,729      | _       | _       | Daily                | 4              |  |  |  |  |
| Investments measured at NAV or its equivalent: | 3              |             |         |         | ,                    |                |  |  |  |  |
| Absolute multistrategy return                  | 72,529,046     | _           | _       | _       | Monthly/Quarterly    | 45 to 95       |  |  |  |  |
| Credit securities                              | 8,558,921      | _           | _       | _       | Monthly/Quarterly    | 30 to 45       |  |  |  |  |
| Global equities                                | 95,440,994     | _           | _       | _       | Mthly/Qtrly/Annly    | 30 to 90       |  |  |  |  |
| Hedged equities                                | 92,810,990     | _           | _       | _       | Quarterly            | 90             |  |  |  |  |
| Private equity                                 | 42,569,496     | _           | _       | _       | See (a) below        | N/A            |  |  |  |  |
| Pooled endow ments                             | 21,891,429     |             |         |         | See (b) below        | N/A            |  |  |  |  |
| Total investments at fair                      |                |             |         |         |                      |                |  |  |  |  |
| value  | 665,728,080    | 331,927,204 | _       | _       |                      |                |  |  |  |  |
| Investment in BSA partnership                  | 3,282,884      |             |         |         | See (c) below        | N/A            |  |  |  |  |
|  |                |             |         |         |                      |                |  |  |  |  |

(a) Private equity fund investments include noncontrolling shares or interests in funds where the controlling general partner serves as the investment's manager. Such investments are generally not eligible for redemption from the fund or general partner but can potentially be sold to third-party buyers in private transactions. It is the intent of the RF to hold these investments until the fund has fully distributed all proceeds to the investors.

331,927,204

Total investments

\$ 669,010,964

- (b) Under the service agreements with UAF and HSCBF, investment accounts were established at UAF and HSCBF with the funds received by the RF under the NIMHD grants, as described in note 2(d). These investment accounts are treated as term endowments with the corpus not to be expended for at least 20 years and with an annual distribution of fund income for programmatic spending by the RF. The terms of the UAF and HSCBF agreements are through March 31, 2046 and December 31, 2042, respectively, with further extension possible at the discretion of the parties.
- (c) Brookhaven Science Associates, LLC (BSA) is a limited liability company formed by the RF (acting on behalf of Stony Brook University) and Battelle Memorial Institute (Battelle). In 1998, the U.S. Department of Energy selected BSA to operate Brookhaven National Laboratory. BSA net earnings are allocated 50% each to Battelle and the RF. The accompanying financial statements of the RF include its share of the net earnings of BSA based on the operating results for its years ended September 30, 2021 and 2020. The RF records distributions received as a reduction of the investment balance.

Notes to Financial Statements June 30, 2022 and 2021

The RF has unfunded commitments to private equity investments as of June 30, 2022 of approximately \$62.5 million.

### (5) Other Assets and Other Liabilities

Other assets and liabilities consist of the following at June 30:

|                                  | _   | 2022      | 2021      |
|----------------------------------|-----|-----------|-----------|
| Other assets:                    |     |           |           |
| Current:                         |     |           |           |
| Royalties receivable             | \$  | 1,040,000 | 540,000   |
| Miscellaneous                    | _   | 60,307    | 58,158    |
| Total other current assets       | _   | 1,100,307 | 598,158   |
| Noncurrent:                      |     |           |           |
| Deferred compensation assets     | _   | 8,284,255 | 9,169,734 |
| Total other noncurrent assets    | _   | 8,284,255 | 9,169,734 |
| Total other assets               | \$_ | 9,384,562 | 9,767,892 |
| Other liabilities – noncurrent:  |     |           |           |
| Deferred compensation obligation | \$  | 8,284,255 | 9,169,734 |
| Interest rate swap agreement     | _   | 253,355   | 563,667   |
| Total other liabilities          | \$_ | 8,537,610 | 9,733,401 |

The RF maintains a deferred compensation plan established in accordance with Section 457(b) of the IRC. Plan assets are a part of the general assets of the RF, which are subject to claims of creditors of the RF. For the years ended June 30, 2022 and 2021, respectively, the assets consist of mutual funds of approximately \$3.5 million and \$4.2 million, which involve Level 1 inputs under the fair value hierarchy, variable annuities of approximately \$3.2 million and \$3.2 million, which are recorded at fair value based on quoted prices or the net asset value of shares held by the RF, and fully benefit-responsive annuity contracts of approximately \$1.6 million and \$1.8 million, which are recorded at contract value.

As indicated in note 10(b), the RF currently has an interest rate swap on its outstanding bonds. The value of the swap is adjusted, through net assets without donor restrictions, to fair value involving Level 2 inputs under the fair value hierarchy.

Notes to Financial Statements June 30, 2022 and 2021

### (6) Fixed Assets

| Fixed asset classification     |    | 2021        | Additions    | Dispositions/<br>retirements | Placed in service | 2022        |
|--------------------------------|----|-------------|--------------|------------------------------|-------------------|-------------|
| Building                       | \$ | 6,500,000   | _            | _                            | _                 | 6,500,000   |
| Building – capital lease       | •  | 317,704,048 | _            | _                            | _                 | 317,704,048 |
| Research and office equipment  |    | 519,189,828 | 60,484,055   | (11,522,747)                 | 29,303,018        | 597,454,154 |
| Information systems            |    | 25,462,324  | · · · —      |                              | · · —             | 25,462,324  |
| Construction in progress       |    | 36,177,239  | 10,293,846   | (237,781)                    | (29,303,018)      | 16,930,286  |
| Total fixed assets             | -  | 905,033,439 | 70,777,901   | (11,760,528)                 |                   | 964,050,812 |
| Less accumulated depreciation: |    |             |              |                              |                   |             |
| Building                       |    | 2,470,000   | 130,000      | _                            | _                 | 2,600,000   |
| Building – capital lease       |    | 168,780,277 | 19,856,502   | _                            | _                 | 188,636,779 |
| Research and office equipment  |    | 170,403,054 | 62,218,363   | (10,734,202)                 | _                 | 221,887,215 |
| Information systems            |    | 25,462,324  |              |                              |                   | 25,462,324  |
| Total accumulated              |    |             |              |                              |                   |             |
| depreciation                   | _  | 367,115,655 | 82,204,865   | (10,734,202)                 |                   | 438,586,318 |
| Fixed assets, net              | \$ | 537,917,784 | (11,426,964) | (1,026,326)                  |                   | 525,464,494 |

There is no depreciation expense associated with construction in progress assets as they have not yet been placed in service. Upon being placed in service, the assets, primarily consisting of research equipment, are classified in the appropriate categories above and depreciated over their useful lives.

### (7) Intangible Assets

| Intangible asset classification   |     | 2021                     | Additions     | Dispositions/<br>retirements | 2022                     |
|---|-----|--------------------------|---------------|------------------------------|--------------------------|
| Technology licenses<br>Capitalized software                                   | \$_ | 24,200,000<br>22,547,608 | <br>1,137,430 |                              | 24,200,000<br>23,685,038 |
| Total intangible assets   | _   | 46,747,608               | 1,137,430     |                              | 47,885,038               |
| Less accumulated amortization:<br>Technology licenses<br>Capitalized software | _   | 24,200,000<br>13,921,358 | <br>2,531,132 |                              | 24,200,000<br>16,452,490 |
| Total accumulated amortization  | _   | 38,121,358               | 2,531,132     |                              | 40,652,490               |
| Intangible assets,<br>net   | \$_ | 8,626,250                | (1,393,702)   |                              | 7,232,548                |

Notes to Financial Statements June 30, 2022 and 2021

The approximate annual amortization of the intangible assets over the next five years is as follows:

| Fiscal year ending: |                 |
|---------------------|-----------------|
| 2023                | \$<br>2,559,613 |
| 2024                | 1,845,329       |
| 2025                | 1,131,042       |
| 2026                | 1,131,042       |
| 2027                | 565.522         |

### (8) Postretirement Benefit Obligation

### (a) Plan Information

The RF sponsors a defined benefit postretirement plan that covers substantially all nonstudent employees. The plan provides postretirement medical benefits and is contributory for employees hired after 1985. Retirees who were hired after 1985 are subject to cost sharing requirements with respect to medical coverage. With respect to dental coverage, retirees must pay the full premium cost of the coverage selected.

#### (b) Plan Funded Status and Related Assumptions

Annual contributions to fund the plan are made by the RF pursuant to a funding policy established by the RF's board of directors. For payment of benefits under the plan, the RF established a VEBA trust with Bank of New York Mellon as the trustee. The VEBA trust held assets of \$291.4 million and \$313.3 million as of June 30, 2022 and 2021, respectively. Current obligations are assumed to be paid out of the trust assets, with the remaining unfunded obligation reflected as a noncurrent liability of the RF. There were approximately 6,400 and 6,500 participants in the plan as of July 1, 2021 and 2020, respectively.

The following table sets forth the plan's funded status reconciled with the amount shown in the accompanying financial statements at June 30:

|   | _  | 2022         | 2021         |
|---|----|--------------|--------------|
| Change in benefit obligation:           |    |              |              |
| Benefit obligation at beginning of year | \$ | 379,204,761  | 416,933,312  |
| Service cost                            |    | 8,396,916    | 11,152,025   |
| Interest cost                           |    | 10,152,039   | 10,735,221   |
| Plan participants' contributions        |    | 1,518,551    | 1,383,150    |
| Actuarial gain                          |    | (74,890,591) | (47,795,454) |
| Benefits paid                           | _  | (14,049,403) | (13,203,493) |
| Benefit obligation at end of year       | _  | 310,332,273  | 379,204,761  |

Notes to Financial Statements June 30, 2022 and 2021

|  | _   | 2022  | 2021  |
|--|-----|---|---|
| Change in plan assets: Fair value of plan assets at beginning of year Return on plan assets Employer contributions Plan participants' contributions Benefits paid                    | \$  | 313,317,318<br>(15,418,225)<br>5,988,801<br>1,518,551<br>(14,049,403) | 254,169,590<br>64,984,971<br>5,983,100<br>1,383,150<br>(13,203,493) |
| Fair value of plan assets at end of year   | _   | 291,357,042   | 313,317,318   |
| Funded status and amount recognized in balance sheet   | \$  | (18,975,231)  | (65,887,443)  |
| Amounts not yet reflected in net periodic benefit cost and included in the balance sheet:  Prior service credit Net actuarial loss   | \$  | 76,691,200<br>(36,973,576)  | 108,779,568<br>(81,341,144)   |
| Total  | \$_ | 39,717,624  | 27,438,424  |
| Weighted average assumptions used to determine benefit obligation:  Discount rate at end of year   |     | 4.39 %  | 2.63 %  |
|  | _   | 2022  | 2021  |
| Other changes in plan assets and benefit obligations recognized in net assets without donor restriction:  Net actuarial gain  Amortization of:  Prior service credit  Actuarial loss | \$  | 38,790,146<br>(32,088,368)<br>5,577,422                               | 96,541,675<br>(32,088,368)<br>18,262,490                            |
| Total recognized as decrease in net assets without donor restriction   | \$_ | 12,279,200  | 82,715,797  |

The components of net periodic benefit gain are included in the line items "sponsored programs and other activities," "indirect administrative support expenses" and "other research-related expenses" in the statement of activities based on the functional classification of compensation.

Notes to Financial Statements June 30, 2022 and 2021

Estimated net benefit payments over future years are as follows:

| Fiscal year ending: |                  |
|---------------------|------------------|
| 2023                | \$<br>16,242,000 |
| 2024                | 17,016,000       |
| 2025                | 17,697,000       |
| 2026                | 18,311,000       |
| 2027                | 18,954,000       |
| 2028–2032           | 99.903.000       |

For measurement purposes, the initial trend rates vary by coverage. The health maintenance organization rate is 6.50%, the preferred provider organization (PPO) rate is 6.25%, the PPO prescription rate is 7.50%, and administrative fees are 4.50%. Trend rates grade down to an ultimate rate of 4.50% in 2029 and later.

Assumed healthcare cost trend rates have a significant effect on the amounts reported for the healthcare plans. A one-percentage point change in assumed healthcare cost trend rates would have the following effects:

|  |    | One-percentage point    |                             |  |  |
|--|----|-------------------------|-----------------------------|--|--|
|  | _  | Increase                | Decrease                    |  |  |
| Effect on total service and interest cost components Effect on postretirement benefit obligation | \$ | 3,893,276<br>41,635,962 | (3,028,641)<br>(34,394,003) |  |  |

Notes to Financial Statements June 30, 2022 and 2021

### (c) Fair Value of Plan Assets

The following tables summarize as of June 30, 2022 and 2021, the RF's defined benefit postretirement plan's investments held in the VEBA trust, including the redemption and notification provisions. The hierarchy and inputs to valuation techniques used to measure fair value of the plan's investments are outlined above in note 4.

|  | 2022           |            |         |         |                      |                 |  |  |
|--|----------------|------------|---------|---------|----------------------|-----------------|--|--|
|  | Total          | Level 1    | Level 2 | Level 3 | Redemption frequency | Days'<br>notice |  |  |
| Investments:                                   |                |            |         |         |                      |                 |  |  |
| Cash equivalents                               | \$ 3,735,054   | 3,735,054  | _       | _       | Daily                | 1               |  |  |
| Mutual and exchange traded funds:              |                |            |         |         |                      |                 |  |  |
| U.S. government fixed income                   | 19,154,977     | 19,154,977 | _       | _       | Daily                | 1               |  |  |
| U.S. equities                                  | 25,492,803     | 25,492,803 | _       | _       | Daily                | 1               |  |  |
| Foreign equities                               | 5,378,253      | 5,378,253  | _       | _       | Daily                | 15              |  |  |
| Real estate                                    | 8,225,392      | 8,225,392  | _       | _       | Daily                | 1               |  |  |
| Hedged equities                                | 725,331        | 725,331    | _       | _       | Daily                | 1               |  |  |
| Investments measured at NAV or its equivalent: |                |            |         |         |                      |                 |  |  |
| Absolute multistrategy return                  | 34,446,517     | _          | _       | _       | Monthly/Quarterly    | 45 to 95        |  |  |
| Global equities                                | 63,369,516     | _          | _       | _       | Mthly/Qtrly/Annly    | 30 to 90        |  |  |
| Hedged equities                                | 54,022,999     | _          | _       | _       | Quarterly            | 90              |  |  |
| Private equity                                 | 76,806,200     |            |         |         | See note 4(a)        | N/A             |  |  |
|  | \$ 291,357,042 | 62,711,810 | _       | _       |                      |                 |  |  |

|  |     | 2021        |            |         |         |                      |                 |  |  |
|--|-----|-------------|------------|---------|---------|----------------------|-----------------|--|--|
|  | _   | Total       | Level 1    | Level 2 | Level 3 | Redemption frequency | Days'<br>notice |  |  |
| Investments:                                   |     |             |            |         |         |                      |                 |  |  |
| Cash equivalents                               | \$  | 7,906,217   | 7,906,217  | _       | _       | Daily                | 1               |  |  |
| Mutual and exchange traded funds:              |     |             |            |         |         | •                    |                 |  |  |
| U.S. government fixed income                   |     | 22,587,022  | 22,587,022 | _       | _       | Daily                | 1               |  |  |
| U.S. equities                                  |     | 17,362,757  | 17,362,757 | _       | _       | Daily                | 1               |  |  |
| Foreign equities                               |     | 11,922,163  | 11,922,163 | _       | _       | Daily                | 15              |  |  |
| Real estate                                    |     | 15,977,718  | 15,977,718 | _       | _       | Daily                | 1               |  |  |
| Hedged equities                                |     | 756,160     | 756,160    | _       | _       | Daily                | 1               |  |  |
| Investments measured at NAV or its equivalent: |     |             |            |         |         | ·                    |                 |  |  |
| Absolute multistrategy return                  |     | 33,293,969  | _          | _       | _       | Monthly/Quarterly    | 45 to 95        |  |  |
| Global equities                                |     | 78,581,060  | _          | _       | _       | Mthly/Qtrly/Annly    | 30 to 90        |  |  |
| Hedged equities                                |     | 57,986,945  | _          | _       | _       | Quarterly            | 90              |  |  |
| Private equity                                 | _   | 66,943,307  |            |         |         | See note 4(a)        | N/A             |  |  |
|  | \$_ | 313,317,318 | 76,512,037 |         |         |                      |                 |  |  |

The RF has unfunded commitments to the plan's private equity investments at June 30, 2022 of approximately \$47.8 million.

Notes to Financial Statements June 30, 2022 and 2021

### (d) Investment Policies and Strategies

The plan's primary investment goal is to meet the ongoing obligations while minimizing contributions and controlling risks. This would result in funding short-term liabilities with lower volatility short-term assets, intermediate-term liabilities with moderate-volatility assets and longer-term liabilities with long-term assets.

By use of this structure, and by the diversification of assets, the total portfolio risk exposure and risk adjusted returns meet the plan's long-term total return goal.

The RF's investment managers, under agreement to manage the plan assets kept in the VEBA trust, exercise full investment discretion within the investment policy approved by the RF board of directors, and guidelines as described in the respective investment agreements. Assets must be managed with the care, skill, prudence, and diligence that a prudent investment professional in similar circumstances would exercise, in compliance with applicable laws and regulations.

## (e) Basis Used to Determine the Overall Expected Long-Term Rate of Return on Assets Assumption

The RF works with a consultant to develop long-term rate of return assumptions used to model and determine the overall asset allocation. The return assumptions used in the asset allocation analysis are based on a building block approach in which risk premium is calculated for each asset class and adjusted for current market conditions including, but not limited to, current market valuations, yield, inflation, and various economic indicators.

The plan's asset allocation, utilizing various investment vehicles, as of June 30, 2022, as shown in the table below, is expected to meet the plan's expected return:

|                     | Long-term | Short-term |        |        |
|---------------------|-----------|------------|--------|--------|
| Asset class         | target    | target     | Ranges | Actual |
| Cash                | 1.0 %     | 1.0 %      | 0-10%  | 1.3 %  |
| Fixed income:       |           |            |        |        |
| Government bonds    | 8.0 %     | 3.0 %      | 0-30%  | 2.0 %  |
| Credit              | 4.0 %     | — %        | 0-20%  | 1.7 %  |
| Private debt        | 9.0 %     | 6.0 %      | 0-20%  | 6.8 %  |
| Equities:           |           |            |        |        |
| Global equities     | 28.0 %    | 33.0 %     | 20-50% | 32.2 % |
| Hedged equities     | 15.0 %    | 15.0 %     | 0-25%  | 18.5 % |
| Private equity      | 17.0 %    | 12.0 %     | 0-25%  | 11.3 % |
| Absolute return     | 5.0 %     | 11.0 %     | 0-20%  | 10.1 % |
| Real assets:        |           |            |        |        |
| Inflation-protected | 3.0 %     | 6.0 %      | 0-10%  | 4.6 %  |
| Commodities         | — %       | — %        | 0-10%  | — %    |
| Global real estate  | 10.0 %    | 13.0 %     | 5-20%  | 11.5 % |

Notes to Financial Statements June 30, 2022 and 2021

### (9) Retirement Plan

The RF maintains a noncontributory Section 401(a) retirement plan for substantially all nonstudent employees. Contributions are based on a percentage of earnings and range from 7% to 15%, depending on date of hire. In addition, the RF provides an additional retirement contribution if an employee retires and meets the age and service requirements for retiree health insurance. This additional contribution is calculated by multiplying the value of the employee's accrued sick leave, up to a maximum of 200 days, by the employee's contribution rate at the time of retirement. Employees become eligible to participate after completing one year of service (a one-year waiting period from their date of hire). At that time, contributions begin and they gain ownership of all future contributions made to their retirement accounts while employed by the RF.

Contributions are allocated to individual employee accounts. Vested participants have the option of having contributions to their accounts deposited in either, a guaranteed income account, an assortment of mutual funds, stocks, bonds, real estate, and money market investments, or a selection of nonproprietary funds that are offered by the Teachers Insurance and Annuity Association (TIAA). The payroll for RF employees covered by TIAA for the years ended June 30, 2022 and 2021 was approximately \$374.9 million and \$361.2 million, respectively. The RF retirement plan contributions were approximately \$30.1 million and \$29.8 million for the years ended June 30, 2022 and 2021, respectively. These contributions are equal to 100% of the required contributions for the year.

#### (10) Long-Term Obligations

|   | _   | 2022        | 2021        |
|---|-----|-------------|-------------|
| Long-term obligations:                                |     |             |             |
| Capital lease obligation; see note (a) below          | \$  | 179,581,916 | 199,670,486 |
| Bonds payable to Albany Industrial Development agency |     |             |             |
| (AIDA); see note (b) below                            |     | 3,165,000   | 3,400,000   |
| Note payable to Citizens Bank, see note (c) below     | _   | 2,160,714   | 2,946,429   |
| Total long-term obligations                           | \$_ | 184,907,630 | 206,016,915 |

- (a) The RF is party to a capital lease for the NanoFabXtension (NFX) facility with FRMC. The lease commenced on January 1, 2013 and expires on December 31, 2028. During the lease term, the RF's payments under the capital lease will be an annual amount equal to \$36 million.
- (b) The RF has an interest rate swap agreement, on the variable-rate AIDA bonds payable, with the Bank of New York to pay a fixed rate of interest of 3.615%. The bonds payable mature in 2032.
- (c) The RF has a fixed rate term loan with Citizens Bank with an interest rate of 3.68%, which commenced on February 2, 2018 and expires on February 1, 2025 and is fully collateralized by certain of the RF's investments.

Notes to Financial Statements June 30, 2022 and 2021

Future scheduled payments as of June 30, 2022 are as follows:

|              | _   | Capital lease      | obligation | Bonds and no | tes payable |  |
|--------------|-----|--------------------|------------|--------------|-------------|--|
|              |     | Principal Interest |            | Principal    | Interest    |  |
| Fiscal year: |     |                    |            |              |             |  |
| 2023         | \$  | 21,803,357         | 14,196,643 | 1,030,714    | 77,985      |  |
| 2024         |     | 23,664,522         | 12,335,478 | 1,035,714    | 48,150      |  |
| 2025         |     | 25,684,558         | 10,315,442 | 849,286      | 18,730      |  |
| 2026         |     | 27,877,027         | 8,122,973  | 270,000      | 8,560       |  |
| 2027         |     | 30,256,648         | 5,743,352  | 275,000      | 7,460       |  |
| Thereafter   | _   | 50,295,804         | 3,704,196  | 1,865,000    | 19,400      |  |
| Total        | \$_ | 179,581,916        | 54,418,084 | 5,325,714    | 180,285     |  |

The RF was in compliance with all loan covenant provisions in effect as of the issuance date of these financial statements.

### Lines of Credit

The RF maintains unsecured lines of credit, with no fixed maturity date, in the amount of \$65.0 million, of which \$9.5 million and \$14.9 million were outstanding as of June 30, 2022 and 2021, respectively. During the year ended June 30, 2022, the borrowing rates ranged between 1.13 – 2.69%. The terms of the lines include the specification that each draw must be repaid within one year, and that the bank has the right to demand full repayment of these lines of credit at any time. There has been no indication by the bank of its intent to exercise this right.

### (11) Commitments and Contingencies

#### (a) Commitments

The RF has commitments under its NFX capital lease as well as agreements with industry partners to support the mission of the SUNY Poly campus, some of which are pending sponsorship or other funding. As of the issuance date of these financial statements, the RF does not anticipate any shortfalls of funding under these commitments to be material in nature.

Notes to Financial Statements June 30, 2022 and 2021

### (b) Operating Lease Obligations

The RF contracts with FRMC and various other entities to lease space as part of its mission to support SUNY research and partnerships. Future minimum payments, as of June 30, 2022, for lease terms in excess of one year are as follows:

| Fiscal year |    | FRMC       | Other      | Total       |
|-------------|----|------------|------------|-------------|
| 2023        | \$ | 7,014,458  | 3,547,727  | 10,562,185  |
| 2024        |    | 7,014,458  | 3,380,068  | 10,394,526  |
| 2025        |    | 7,014,458  | 1,870,802  | 8,885,260   |
| 2026        |    | 7,014,458  | 1,833,979  | 8,848,437   |
| 2027        |    | 7,014,458  | 1,826,882  | 8,841,340   |
| Thereafter  | _  | 57,869,278 | 7,931,391  | 65,800,669  |
| Total       | \$ | 92,941,568 | 20,390,849 | 113,332,417 |

In May 2005, the RF, as tenant, and FRMC, as landlord, executed an agreement for the lease of clean room facilities, which are used for nanotechnology-related research and development at SUNY Poly. Rent payments made by the RF pursuant to the agreement for each of the years ended June 30, 2022 and 2021 were approximately \$7.0 million. The annual rental payments may escalate annually at a rate not to exceed one percent. The term of the lease is from May 20, 2005 through September 30, 2035.

#### (c) Contingencies

During the ordinary course of business, the RF is exposed to risks associated with legal proceedings and claims. A liability is recognized with respect to legal proceedings and claims if incurrence of a loss is probable and the amount of loss is reasonably estimable. It is not anticipated that potential liability from any matters as yet unresolved as of the issuance date will have a material effect on the RF's financial condition and/or cash flows.

#### (12) Functional Expenses

The statement of activities presents expenses by program classification. The RF also summarizes its expenses by functional and natural classifications. The RF's primary program service is research. Depreciation expense is assigned based on the functional classification of the contract or agreement for which an individual asset was acquired. Postretirement and other benefit expenses are allocated based on the functional classifications of salaries. Expenses, categorized based on functional and natural classifications for the years ended June 30, 2022 and 2021, are as follows (in thousands):

Notes to Financial Statements June 30, 2022 and 2021

|                               |            |                       |                   | 2022        |                  |        |           |
|-------------------------------|------------|-----------------------|-------------------|-------------|------------------|--------|-----------|
|                               | Research   | Institutional support | Public<br>service | Instruction | Academic support | Other  | Total     |
| Salaries                      | \$ 215,124 | 64,417                | 57,773            | 36,023      | 13,170           | 2,052  | 388,559   |
| Employee benefits             | 47,913     | 19,363                | 18,786            | 10,505      | 2,885            | 469    | 99,921    |
| Subcontracts                  | 94,622     | 185                   | 13,868            | 7,710       | 892              | _      | 117,277   |
| Office expense                | 62,781     | 16,408                | 5,835             | 4,575       | 2,716            | 361    | 92,676    |
| Depreciation and amortization | 80,167     | 3,386                 | 13                | 297         | 1                | 253    | 84,117    |
| Fees for services             | 27,795     | 9,898                 | 11,978            | 2,768       | 3,221            | 1,203  | 56,863    |
| Occupancy                     | 10,145     | 13,421                | 6,875             | 282         | 809              | 4,869  | 36,401    |
| Equipment                     | 18,805     | 1,780                 | 656               | 1,341       | 1,108            | 93     | 23,783    |
| Tuition and fees              | 9,193      | 296                   | 135               | 10,406      | 125              | 210    | 20,365    |
| Fellow ship stipends          | 3,667      | 768                   | 667               | 11,217      | 298              | 1,676  | 18,293    |
| Interest                      | 15,911     | 369                   | _                 | _           | _                | _      | 16,280    |
| Rental equipment              | 14,141     | 274                   | 68                | 124         | 3                | _      | 14,610    |
| Information technology        | 2,902      | 6,964                 | 675               | 914         | 120              | 642    | 12,217    |
| Renovations                   | 6,605      | 164                   | _                 | 383         | 19               | _      | 7,171     |
| Other expenses                | 19,648     | 32,436                | 4,164             | 3,736       | 1,207            | 648    | 61,839    |
| Total expenses                | \$ 629,419 | 170,129               | 121,493           | 90,281      | 26,574           | 12,476 | 1,050,372 |

|                               |     |          |               |         | 2021        |          |        |           |
|-------------------------------|-----|----------|---------------|---------|-------------|----------|--------|-----------|
|                               | _   |          | Institutional | Public  |             | Academic |        |           |
|                               | _   | Research | support       | service | Instruction | support  | Other  | Total     |
| Salaries                      | \$  | 201.346  | 61.373        | 54,885  | 34,716      | 8,800    | 2,191  | 363,311   |
| Employee benefits             | Ψ   | 59,430   | 23,551        | 21,477  | 12,627      | 3,067    | 806    | 120,958   |
| Subcontracts                  |     | 79,044   | 45            | 11,984  | 6,038       | 225      |        | 97,336    |
| Office expense                |     | 54,765   | 18,535        | 8,008   | 3,941       | 2,127    | 556    | 87,932    |
| Depreciation and amortization |     | 67,698   | 3,963         | 7       | 332         | 6        | 275    | 72,281    |
| Fees for services             |     | 55,265   | 5,584         | 14,826  | 2,847       | 1,906    | 1,103  | 81,531    |
| Occupancy                     |     | 4,085    | 8,211         | 7,786   | 1,412       | 644      | 7,376  | 29,514    |
| Equipment                     |     | 27,496   | 2,765         | 1,803   | 1,027       | 513      | 1,167  | 34,771    |
| Tuition and fees              |     | 8,126    | 151           | 218     | 9,125       | 380      | 212    | 18,212    |
| Fellow ship stipends          |     | 2,997    | 678           | 741     | 11,182      | 126      | 2,206  | 17,930    |
| Interest                      |     | 17,491   | 197           | _       | _           | _        | _      | 17,688    |
| Rental equipment              |     | 43,329   | 300           | 46      | 113         | 10       | _      | 43,798    |
| Information technology        |     | 1,551    | 5,821         | 452     | 419         | 274      | 329    | 8,846     |
| Renovations                   |     | 16,850   | 1             | 1       | 52          | 66       | 365    | 17,335    |
| Other expenses                | _   | 10,503   | 41,157        | 2,266   | 3,127       | 1,775    | 1,322  | 60,150    |
| Total expenses                | \$_ | 649,976  | 172,332       | 124,500 | 86,958      | 19,919   | 17,908 | 1,071,593 |

### (13) Subsequent Events

The RF considers events or transactions that occur after the balance sheet date, but before the financial statements are issued, to provide additional evidence relative to certain estimates or to identify matters that require additional disclosure. These financial statements covering the year ended June 30, 2022 were issued on October 7, 2022 and subsequent events have been evaluated through that date.

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing |   |                                  | Direct               | Pass-<br>through | Passed-<br>through | expenditures<br>by ALN and |  |
|--|-----------------------|---|----------------------------------|----------------------|------------------|--------------------|----------------------------|--|
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name  | Pass-through number              | expenditures         | expenditures     | to subrecipients   | federal grantor            |  |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                       |   |                                  |                      |                  |                    |                            |  |
| U.S. Department of Agriculture:  |                       |   |                                  |                      |                  |                    |                            |  |
| AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH<br>AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH | 10.001<br>10.001      |   |                                  | \$ 111,489<br>37,979 | _                | _                  |                            |  |
| AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH   | 10.001                |   |                                  | 13 539               | _                | _                  |                            |  |
| AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH   | 10.001                |   |                                  | 42,125               | _                | _                  |                            |  |
| AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH   | 10.001                |   |                                  | 27,473               | _                | _                  | 232,605                    |  |
| PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE  | 10.025                |   |                                  | 29,152               | _                | _                  |                            |  |
| PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE  | 10.025                |   |                                  | 11,337               | -                | _                  |                            |  |
| PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE  | 10.025<br>10.025      |   |                                  | 3,656<br>35,493      | _                | _                  | 79 638                     |  |
| PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE<br>WILDLIFE SERVICES                         | 10.025                |   |                                  | 35,493<br>37,621     | =                |                    | 79,638<br>37,621           |  |
| FARMERS MARKET AND LOCAL FOOD PROMOTION PROGRAM  | 10.175                |   |                                  | 51,746               |                  |                    | 51,746                     |  |
| GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS  | 10.200                | UNIVERSITY OF MARYLAND  | 91284Z5111203                    | _                    | 13,437           | 10,979             | 13,437                     |  |
| COOPERATIVE FORESTRY RESEARCH  | 10.202                |   |                                  | 21,461               | _                | _                  |                            |  |
| COOPERATIVE FORESTRY RESEARCH  | 10.202                |   |                                  | 260,668              | _                | 24,000             |                            |  |
| COOPERATIVE FORESTRY RESEARCH  | 10.202                |   |                                  | 468,627              | _                | _                  |                            |  |
| COOPERATIVE FORESTRY RESEARCH<br>BIOTECHNOLOGY RISK ASSESSMENT RESEARCH                              | 10.202<br>10.219      |   |                                  | 16,156<br>109,727    | _                | 3,683              | 766,912<br>109,727         |  |
| COMMUNITY FOOD PROJECTS  | 10.219                | WESTMINSTER ECONOMIC DEVELOPMENT INITIATIVE                         | NA NA                            | 109,727              | 10.410           | 3,003              | 10,410                     |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                | IOWA STATE LINIVERSITY  | 023312A                          | _                    | 49.213           | _                  | 10,410                     |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                | WEST VIRGINIA UNIVERSITY  | 20182SUNY                        |                      | 175,207          |                    |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                |   |                                  | 55.839               |                  | _                  |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                |   |                                  | 106,412              | _                | 26,669             |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                |   |                                  | 140,412              | _                | 46,929             |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                |   |                                  | 23,510               | _                | _                  |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                |   |                                  | 41,319               | _                | _                  |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                | IOWA STATE UNIVERSITY   | 4164197A                         | _                    | 9,758            | _                  |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)      | 10.310<br>10.310      | CORNELL UNIVERSITY FLORIDA INSTITUTE OF TECHNOLOGY                  | 84041 11059<br>GR232438          | _                    | 8,370<br>6.312   | _                  |                            |  |
| AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)  | 10.310                | IOWA STATE UNIVERSITY   | SCN1006264                       |                      | 13,412           |                    | 629 764                    |  |
| BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE COMPETITIVE GRANTS PROGRAM (BRDI)                        | 10.312                | IOM/OT/ITE Office Offi  | 5511155254                       | 138,221              | 10,412           | 56,938             | 138,221                    |  |
| RURAL BUSINESS DEVELOPMENT GRANT   | 10.351                |   |                                  | 49,974               | _                | _                  | 49,974                     |  |
| FORESTRY RESEARCH  | 10.652                |   |                                  | 21,332               | _                | _                  |                            |  |
| FORESTRY RESEARCH  | 10.652                |   |                                  | 2,114                | _                | _                  |                            |  |
| FORESTRY RESEARCH  | 10.652                | UNIVERSITY OF VERMONT   | AWD00000051SUB00000004           | _                    | 8,164            | _                  |                            |  |
| FORESTRY RESEARCH  | 10.652                | UNIVERSITY OF VERMONT   | AWD00000051SUB00000222           | _                    | 73,819           | _                  |                            |  |
| FORESTRY RESEARCH  | 10.652                | UNIVERSITY OF VERMONT   | AWD00000051SUB00000236 P200009   | _                    | 16,812           | _                  | 400.070                    |  |
| FORESTRY RESEARCH COOPERATIVE FORESTRY ASSISTANCE  | 10.652<br>10.664      | UNIVERSITY OF VERMONT   | AWD00000637SUB00000264           | 8,642                | 38,735           | _                  | 160,976                    |  |
| COOPERATIVE FORESTRY ASSISTANCE COOPERATIVE FORESTRY ASSISTANCE                                      | 10.664                |   |                                  | 17.817               | _                | _                  |                            |  |
| COOPERATIVE FORESTRY ASSISTANCE  | 10.664                | ADIRONDACK MOUNTAIN CLUB  | N/A                              | 17,017               | 7,241            |                    |                            |  |
| COOPERATIVE FORESTRY ASSISTANCE  | 10.664                | NATURE SANCTUARY SOCIETY OF WESTERN NEW YORK                        | NA                               | _                    | 6,161            | _                  | 39,861                     |  |
| WOOD UTILIZATION ASSISTANCE  | 10.674                |   |                                  | 85,326               |                  | _                  | 85,326                     |  |
| URBAN AND COMMUNITY FORESTRY PROGRAM   | 10.675                |   |                                  | 37,416               | _                | _                  |                            |  |
| URBAN AND COMMUNITY FORESTRY PROGRAM   | 10.675                |   |                                  | 32,390               | _                | _                  | 69,806                     |  |
| FOREST HEALTH PROTECTION   | 10.680                |   |                                  | 19,693               |                  | _                  |                            |  |
| FOREST HEALTH PROTECTION NATIONAL FISH AND WILDLIFE FOUNDATION                                       | 10.680<br>10.683      | SLOW THE SPREAD FOUNDATION INCORPORATED<br>UNIVERSITY OF PITTSBURGH | 210113<br>AWD00003739 (417574-1) | _                    | 5,419<br>22,141  | _                  | 25,112<br>22,141           |  |
| INTERNATIONAL FORESTRY PROGRAMS  | 10.684                | UNIVERSIT OF PITTSBURGH   | AVVD00003739 (417374-1)          | 103,989              | 22,141           | _                  | 22,141                     |  |
| INTERNATIONAL FORESTRY PROGRAMS  | 10.684                |   |                                  | 5 599                | _                | _                  | 109 588                    |  |
| STATE & PRIVATE FORESTRY COOPERATIVE FIRE ASSISTANCE   | 10.698                |   |                                  | 12,536               | _                | _                  | 12,536                     |  |
| AGRICULTURAL CONSERVATION EASEMENT PROGRAM   | 10.931                | UNIVERSITY OF WISCONSIN STEVENS POINT                               | 1906                             |                      | 5,505            | _                  | 5,505                      |  |
| Total U.S. Department of Assignifican  |                       |   |                                  | 2,180,790            | 470,116          | 169,198            | 2,650,906                  |  |
| Total U.S. Department of Agriculture   |                       |   |                                  | 2,100,790            | 470,116          | 109,190            | 2,030,900                  |  |
| U.S. Department of Commerce:   |                       |   |                                  |                      |                  |                    |                            |  |
| DEPARTMENT OF COMMERCE NOAA MISSION-RELATED EDUCATION AWARDS   | 11.000<br>11.008      | UNIVERSITY OF MISSISSIPPI<br>RTSYNCH                                | 2107002                          | _                    | 19,974<br>6.478  | _                  | 19,974                     |  |
| OCEAN EXPLORATION  | 11.008                | NATIONAL MARINE SANCTUARY FOUNDATION                                | 20220214<br>22 01 B 417          | = =                  | 4.157            | = =                | 6,478<br>4.157             |  |
| INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)   | 11.012                | GREAT LAKES OBSERVING SYSTEM  | IOOS/NBN-04                      | _                    | 50,851           | 33,681             | 4,107                      |  |
| INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)   | 11.012                | GREAT LAKES OBSERVING SYSTEM  | IOOS098YR2NBN14                  | _                    | 2,268            |                    | 53,119                     |  |
| STATISTICAL, RESEARCH, AND METHODOLOGY ASSISTANCE  | 11.016                | SYNOPTIC DATA   | S20170122                        | _                    | 620,486          | _                  | 620,486                    |  |
| OCEAN ACIDIFICATION PROGRAM (OAP)  | 11.017                | RUTGERS UNIVERSITY  | PO1415619                        | _                    | 78,429           | _                  | 78,429                     |  |
| ECONOMIC ADJUSTMENT ASSISTANCE   | 11.307                |   |                                  | 113,947              |                  | _                  |                            |  |
| ECONOMIC ADJUSTMENT ASSISTANCE<br>ECONOMIC ADJUSTMENT ASSISTANCE                                     | 11.307<br>11.307      | UNITED STATES ENDOWMENT FOR FORESTRY AND COMMUNITIES INCORPORATED   | 21 00199                         | 142 971              | 57,218           | 38 404             | 314 136                    |  |
| SEA GRANT SUPPORT  | 11.307                |   |                                  | 18,017               | _                | 30,404             | 314,136                    |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF VERMONT   | 32817SUB52595                    | 10,017               | 105,394          |                    |                            |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF VERMONT   | 32817SUB52963 PO 174278          | _                    | 41,601           | _                  |                            |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF VERMONT   | 32817SUB53045 PO# 175766         | _                    | 6,645            | 6,645              |                            |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF VERMONT   | 32817SUB53303                    | _                    | 50,248           |                    |                            |  |
| SEA GRANT SUPPORT  | 11.417                | TRUSTEES OF BOSTON UNIVERSITY                                       | 4500002681                       | -                    | 11,609           | _                  |                            |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF VERMONT   | AWD0000860SUB0000332 PO#203436   |                      | 20               | 4 005 705          |                            |  |
| SEA GRANT SUPPORT  | 11.417                |   |                                  | 3,071,034            | -                | 1,965,762          |                            |  |
| SEA GRANT SUPPORT<br>SEA GRANT SUPPORT   | 11.417<br>11.417      |   |                                  | 14,504<br>12.192     | _                | 14,504             |                            |  |
| SEA GRANT SUPPORT SEA GRANT SUPPORT  | 11.417<br>11.417      |   |                                  | 12,192<br>55,781     | _                | 12,192             |                            |  |
| SEA GRANT SUPPORT  | 11.417                |   |                                  | 18.445               | _                |                    |                            |  |
| SEA GRANT SUPPORT  | 11.417                | UNIVERSITY OF MAINE AT ORONO  | UMS1341                          | ,                    | 10,813           | _                  | 3,416,303                  |  |
| FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND DEVELOPMENT GRANTS                                |                       |   |                                  |                      |                  |                    |                            |  |
| AND COOPERATIVE AGREEMENTS PROGRAM   | 11.427                | GULF OF MAINE RESEARCH INSTITUTE                                    | 10SKCOD21STONY                   | _                    | 5,885            | _                  | 5,885                      |  |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431                |   |                                  | 749                  | _                | _                  |                            |  |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431                |   |                                  | 63,292               | -                | _                  |                            |  |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431                |   |                                  | 40,058               | _                | _                  |                            |  |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing  |  |   | Direct                                  | Pass-<br>through   | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|--|--|--|---|---|--|--------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | number   | Pass-through entity name   | Pass-through number   | expenditures                            | expenditures   | to subrecipients   | federal grantor                     |
| RESEARCH AND DEVELOPMENT CLUSTER:  |  |  |   |   |  |                    |                                     |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431   |  |   | \$ 49,596                               | _  | _                  |                                     |
| CLIMATE AND ATMOSPHERIC RESEARCH<br>CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431<br>11.431   |  |   | 44,046<br>16 178                        | _  | _                  |                                     |
| CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH  | 11.431   |  |   | 16,178<br>84 143                        | _  | _                  |                                     |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431   |  |   | 51.915                                  |  | =                  |                                     |
| CLIMATE AND ATMOSPHERIC RESEARCH   | 11.431   | UNIVERSITY OF HAWAII   | Z10129407   |   | 13,728   | _                  | 363,705                             |
| NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES  | 11.432   | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA   | 202245  | _                                       | 57,026   | _                  | 57,026                              |
| MARINE FISHERIES INITIATIVE  | 11.433   |  |   | 8,196                                   | _  | _                  | 8,196                               |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 88,709                                  | _  | _                  |                                     |
| WEATHER AND AIR QUALITY RESEARCH WEATHER AND AIR QUALITY RESEARCH  | 11.459<br>11.459   |  |   | 90,063<br>10,908                        |  |                    |                                     |
| WEATHER AND AIR QUALITY RESEARCH WEATHER AND AIR QUALITY RESEARCH  | 11.459   |  |   | 44,187                                  | _  |                    |                                     |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 56,364                                  | _  | _                  |                                     |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 72,017                                  | _  | _                  |                                     |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 70,090                                  | _  | 19,392             |                                     |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 111,437                                 | _  | _                  |                                     |
| WEATHER AND AIR QUALITY RESEARCH   | 11.459   |  |   | 142,793                                 |  | _                  | 686,568                             |
| HYDROLOGIC RESEARCH APPLIED METEOROLOGICAL RESEARCH  | 11.462<br>11.468   | UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH COLORADO STATE UNIVERSITY  | SUBAWD001880<br>G2701901  | _                                       | 97,226   | _                  | 97,226                              |
| APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH  | 11.468   | COLORADO STATE UNIVERSITY  | 92/01901  | 200,025                                 | 24,497   | _                  |                                     |
| APPLIED METEOROLOGICAL RESEARCH  | 11.468   |  |   | 165 912                                 |  | 59,477             |                                     |
| APPLIED METEOROLOGICAL RESEARCH  | 11.468   |  |   | 76,895                                  | _  | _                  |                                     |
| APPLIED METEOROLOGICAL RESEARCH  | 11.468   |  |   | 133,912                                 | _  | _                  |                                     |
| APPLIED METEOROLOGICAL RESEARCH  | 11.468   |  |   | 61,413                                  | _  | _                  | 662,654                             |
| FISHERIES DISASTER RELIEF  | 11.477   |  |   | 1,517                                   | _  | _                  | 1,517                               |
| CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM  | 11.478   | VIRGINIA INSTITUTE OF MARINE SCIENCE   | 720912712683  | _                                       | 5,216  | _                  |                                     |
| CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM  | 11.478<br>11.478   | VIRGINIA INSTITUTE OF MARINE SCIENCE   | 722373712684  | 226,949                                 | 54,967   | 79,823             |                                     |
| CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM  CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM   | 11.478   | MBIO DIAGNOSTICS INCORPORATED  | NA20NOS4780186 SUNY   | 220,949                                 | 30.291   | 19,023             | 317.423                             |
| EDUCATIONAL PARTNERSHIP PROGRAM  | 11.481   | HOWARD UNIVERSITY  | 00089711000067101   | _                                       | 5.834  | _                  | 017,420                             |
| EDUCATIONAL PARTNERSHIP PROGRAM  | 11.481   | HOWARD UNIVERSITY  | 0008971100067101  | _                                       | 24.509   | _                  |                                     |
| EDUCATIONAL PARTNERSHIP PROGRAM  | 11.481   | HOWARD UNIVERSITY  | 00096361000093529   | _                                       | 8,869  | _                  |                                     |
| EDUCATIONAL PARTNERSHIP PROGRAM  | 11.481   | HOWARD UNIVERSITY  | 00099361000096489   | _                                       | 48,209   | _                  | 87,421                              |
| MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS   | 11.609   |  |   | 105,322                                 | _  |                    |                                     |
| MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS   | 11.609<br>11.609   |  |   | 247,092<br>45.195                       | _  | 44,513             |                                     |
| MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS  | 11.609   |  |   | 45,195<br>227,454                       | _  | _                  |                                     |
| MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS   | 11.609   | COLORADO STATE UNIVERSITY  | G9904204  | 227,454                                 | 58.827   |                    | 683 890                             |
| COVID-19 - ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE  | 11.619   | OCCONDO OTRIC CINICIONA  | 00004204  | 21,440                                  |  | _                  | 000,000                             |
| ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE   | 11.619   | UNIVERSITY OF DELAWARE   | PC4.1-146   | ,                                       | 66,077   | _                  | 87,517                              |
|  |  |  |   | _                                       |  |                    |                                     |
| Total U.S. Department of Commerce  |  |  | P.Od. I-100   | 6,004,758                               | 1,567,352  | 2,274,393          | 7,572,110                           |
|  |  |  | F-04.1-140  | 6,004,758                               |  | 2,274,393          | 7,572,110                           |
| Total U.S. Department of Commerce U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000   | CUBRC INCORPORATED   | 08259S1   | 6,004,758                               |  | 2,274,393          | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE  | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE   | 08259S1<br>108371   |   | 1,567,352<br>283,099<br>29,556   | 2,274,393          | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE  | 12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED   | 08259S1<br>108371<br>115216   | = =                                     | 1,567,352<br>283,099<br>29,556<br>40,628   |                    | 7,572,110                           |
| U.S. Department of Defense:  DEPARTMENT OF DEFENSE   | 12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED   | 08259S1<br>108371<br>115216<br>115218   | = = =                                   | 1,567,352<br>283,099<br>29,556   |                    | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY PURDUE UNIVERSITY   | 0825951<br>108371<br>115216<br>115218<br>13000826008  | = = =                                   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)   |                    | 7,572,110                           |
| U.S. Department of Defense:  DEPARTMENT OF DEFENSE  | 12.000<br>12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE SCEARE INCORPORATED GREARE INCORPORATED PURDUE UNIVERSITY BOEING COMPANY  | 08259S1<br>108371<br>115216<br>115218<br>13000826008<br>2189200   | = | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394   |                    | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED  | 0825951<br>108371<br>115216<br>115218<br>13000826008  | = = =                                   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)   |                    | 7,572,110                           |
| U.S. Department of Defense:  DEPARTMENT OF DEFENSE  | 12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE GREATE NORPORATED GREATE NORPORATED FURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC  | 08259S1<br>109371<br>115216<br>115218<br>31526903<br>21885000<br>2611001<br>398965  | = | 283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383  |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NOORPORATED CREATE NOORPORATED PURDUE UNIVERSITY INTELLIGENT AUTOMATION INCORPORATED BROOMENS SCENE SENOCHTES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC MISTITUTE AND STATE UNIV  | 08259S1<br>109371<br>115216<br>115218<br>1300826008<br>2199200<br>299905<br>40003325010<br>4508S319245  |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665  |                    | 7.572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV  | 0825951<br>108371<br>115216<br>115218<br>13000826008<br>2199200<br>2611001<br>399805<br>40003325010<br>45085319245<br>45087019245   |   | 283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,831  |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000<br>12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NOORPORATED CREATE NOORPORATED PURDLE UNIVERSITY BOEING COMPANY BOEING COMPANY BOEING COMPANY BOEING COMPANY COMPANY BOEING COMPANY COMPANY BOEING COMPANY COMPANY BOEING COMPANY COMPAN | 0825951<br>108371<br>115216<br>115218<br>13000826008<br>2 199200<br>3 30995<br>40003325010<br>45085319245<br>45087019245<br>7000451264  |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,831<br>59,533   |                    | 7,572,110                           |
| U.S. Department of Defense:  DEPARTMENT OF DEFENSE  | 12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE NCORPORATED FURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S CENTER ASSOCIATES LLC PURDUE UNIVERSITY VIRGINA DO THE CHEMIC INSTITUTE AND STATE UNIV VIRGINA DO THE CHEMIC INSTITUTE AND STATE UNIV MIT LI INCOLN LABORATORY REMSELSER POLYTECHNIC INSTITUTE SENSELARE POLYTECHNIC INSTITUTE WENSELARE POLYTECHNIC INSTITUTE  | 0825951<br>108371<br>115216<br>115218<br>13000826008<br>2198200<br>2611001<br>398805<br>4003325010<br>45085319245<br>45087019245<br>7000451264<br>22100705001401  |   | 1.567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064  |                    | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE NOORPORATED CREARE NOORPORATED PURDUE UNIVERSITY BOEING COMPANY WITELLIGENT AUTOMATION INCORPORATED BROUGH IN SUPPORT AUTOMATION INCORPORATED BROUGH IN SUPPORT AUTOMATION INCORPORATED WITELLIGENT AUTOMATION INSTITUTE AND STATE UNIV WITELLIGENT LABORATORY RENSELAER POLYTECHNIC INSTITUTE STI-OPTRONICS   | 0825951<br>108371<br>115216<br>115216<br>115218<br>13000826008<br>2189200<br>2819001<br>999005<br>499005<br>45908310245<br>45908310245<br>459087019245<br>7000451264<br>A2100705001401<br>A25571  |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,813<br>59,533<br>490,064<br>82,909  |                    | 7,572,110                           |
| U.S. Department of Defense:  DEPARTMENT OF DEFENSE  | 12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE GREAME INCORPORATED GREAME INCORPORATED GUELL INCORPORATED GUELL INCORPORATED GUELL INCORPORATED GUELL INCORPORATED GUELL INCORPORATED BROOKGHAVEN SCIENCE ASSOCIATES LLC PURBULE UNIVERSITY VIRGINA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINA POLYTECHNIC INSTITUTE AND STATE UNIV MINIMA POLYTECHNIC INSTITUTE AND STATE UNIV MINIMA POLYTECHNIC INSTITUTE AND STATE UNIV MINIMA POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC  | 0825981<br>108371<br>115218<br>1300826008<br>2 189200<br>2611001<br>398905<br>4003325010<br>4508317945<br>45187019245<br>45187019245<br>4710004501401<br>18187019245<br>170004501401<br>88187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>18187019245<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>1818701924<br>18187019 |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>9,88<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547  |                    | 7,572,110                           |
| U.S. Department of Defense   | 12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000<br>12,000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE NOORPORATED CREARE NOORPORATED PURDUE UNIVERSITY BOEING COMPANY WITELLIGEN'S AUTOMATION INCORPORATED BRODGIANEN SCENCE ASSOCIATES LIC WITELLIGEN'S TUTEDHIN INSTITUTE AND STATE UNIV WIRGINA POLYTECHHIN INSTITUTE AND STATE UNIV WITELLIGEN'S TUTEDHIN INSTITUTE AND STATE UNIV BRITANDE STATE OF THE STATE OF  | 0825951 108371 115216 115216 115218 13000826008 2189200 2811001 398805 4003325010 4003325010 44082710245 7000451264 A2100705001401 A28571 BRIARUB DISC2146  |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,813<br>59,533<br>490,064<br>82,909  |                    | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE NOORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BOEING COMPANY WITELLIGENT AUTOMATION INCORPORATED BRODGHAVEN SCIENCE ASSOCIATES LLC BRODGHAVEN SCIENCE ASSOCIATES LLC PURCIAN POLITECHNIC INSTITUTE AND STATE UNIV WIRGIAN POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLA LABORATORY REMSELAER POLYTECHNIC INSTITUTE STIPPTRONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED AVA KAERU LLC NOMIS POWER GROUP  | 0825951 108371 115216 115216 115218 13000826008 2199200 2811001 398805 4003325010 45982319245 45082319245 45082319245 45082319245 45082571 BRIARUB DISC2146 FA864922P0029 HG07271P0023  |   | 283,099<br>29,556<br>40,628<br>5,178<br>(22)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>36,505  |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE SOUTHERN RESEARCH INSTITUTE CREADE INCORPORATED PURDUE UNIVERSITY BORING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLL HABORATORY BIT OF TROMOS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED AVAI ARERULES   | 08259S1 109371 115216 115216 130068008 2188200 2611001 398905 40003325010 45085319245 45087019245 7000451264 A2100715901A01 BRIARUB DISC2146 F8648022P0029  |   | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>10,288<br>12,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>36,505<br>8,577  |                    | 7,572,110                           |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE NCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOGHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHHIC INSTITUTE AND STATE UNIV WIRGINIA POLYTECHHIC INSTITUTE AND STATE UNIV MIT LINCOLUL LABORATORY REMSELSER POLYTECHHIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DYMETICS INCORPORATED AVAILABEL LO UNION OF THE POLYTECHNIC INSTITUTE OF THE POL | 0825951<br>108371<br>115216<br>115216<br>115218<br>13000826008<br>2189200<br>2611001<br>398805<br>4003325010<br>45085319245<br>7000451264<br>45087019245<br>7000451264<br>221007035001A01<br>BRIARUB<br>DISC2146<br>FA864922P0029<br>HQ07271P0023<br>K00308800507   |   | 283,099 29,556 40,628 5,176 (2) 31,394 98 71,383 10,288 128,665 347,831 59,533 40,004 20,004 80,005 8,577 19,927   |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NOORPORATED CREATE NOORPORATED CREATE NOORPORATED DESING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOMEN SCENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLL ALBORATORY RENSSELAER POLYTECHNIC INSTITUTE STIOPITRONIC CORPORATED ACCENTURE FEDERAL SERVICES LLC DIVIETTOS INCORPORATED NOMIS POWER GROUP KITMARE INCORPORATED JETCOOL TECHNOLOGIES INCORPORATED  | 08259S1 109371 115216 115216 115218 1300822008 2 189 1001 3 98 905 4 1001 3 98 905 4 0003325010 4 5085319245 4 5087019245 7 7000451264 A2100705001A01 A28571 BRUARUB FRARAUB F  | 311.224                                 | 283.099<br>29.556<br>40,628<br>5,176<br>(2)<br>31,394<br>98<br>71,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,084<br>82,909<br>26,547<br>36,505<br>8,577<br>19,927<br>90,027<br>67,448  |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BORING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S CENTER ASSOCIATES LLC PURDUE UNIVERSITY VIRGINA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINA POLYTECHNIC INSTITUTE AND STATE UNIV MIT LUNCOLA LABORATORY REMSELAER POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED ANA MAREIU LLC NOMIS POWER GROUP STITUME ON THE CONTROL OF THE CONTR | 08259S1 108371 119218 119218 13000826008 2 198200 2611001 398805 40003325910 4508319245 45087019245 A2100735001401 023571 BRIARUB DISC2146 F-8648922F0029 H007271F0023 K00308805997 N8833521C0427 NA  | 311,224                                 | 283,099 29,556 40,628 5,176 (2) 31,394 98 71,383 10,288 128,665 347,831 59,533 40,004 20,004 20,007 19,977 19,977 19,977 19,977 19,977 19,774 67,448   |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NOCRPORATED CREATE NOCRPORATED PURDUE UNIVERSITY DIRECTOR OF THE SECOND OF | 08259S1 109371 115216 115216 115217 115217 115218 13000826008 2199200 2199200 2399905 40003325910 45985319245 45987019245 7000451264 A2100708001A01 A28571 BRIARUB DISC2146 FA664692749023 K00008000007 N8833521C0427 N8  | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,364<br>31,364<br>31,368<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>8,507<br>7,482<br>11,4,453<br>114,453<br>114,453<br>114,453<br>114,453<br>117,608   |                    | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE SCREAME INCORPORATED CREAME INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S SCREAME ASSOCIATES LLC PURDUE UNIVERSITY VIRGINA POLYTECHNIC INSTITUTE AND STATE UNIV WITH UNCOMA LARGENATORY REMISSELAR POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED AKA LAKERU LLC NOMIS POWER GROUP KITWARE NICOPPORATED JETCOL TECHNOLOGIES INCORPORATED RI LEG EROUP KITHELEX KOO AND ASSOCIATES INTERNATIONAL LLC   | 08259S1 108371 119218 119218 13000826008 2 198200 2611001 398805 40003325910 4508319245 45087019245 A2100735001401 023571 BRIARUB DISC2146 F-8648922F0029 H007271F0023 K00308805997 N8833521C0427 NA  | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,623<br>40,623<br>5,178<br>5,178<br>5,178<br>10,288<br>10,288<br>10,288<br>10,288<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,003<br>40,00 |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NOORPORATED CREATE NOORPORATED PURDUE UNIVERSITY WIND COMPORATED WIND CO | 0825951 108371 115216 115216 115216 115216 115218 13000826008 2199200 28 11001 28 11001 40105310245 40003325010 45085310245 45087019245 7000451264 A210070S001A01 A28571 BRIARUB DISC2146 F-864922P0029 HC07271P0023 K00308800S07 N833221C0427 NA NA NA   | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,304<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>7,488<br>114,453<br>137,608<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76 |                    | 7,572,110                           |
| U.S. Department of Defense   | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROUGHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY WIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV WIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV WIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLN LABORATORY REMSELAER POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DIVIERTIS INCORPORATED MOMIS POWER GROUP KITWARE INCORPORATED JETCOL TECHNOLOGIES INCORPORATED RICHES GROUP INCORPORATED JETCOL TECHNOLOGIES INCORPORATED RICHES AND ASSOCIATES INTERNATIONAL LLC KOO AND ASSOCIATES INTERNATIONAL LLC ROO AND ASSOCIATES INTERNATIONAL LLC ROOPER ROON COMPANY PAG GOVERNMENT SYSTEMS CORPORATION  | 0825951 108371 115216 115216 115216 115216 115216 115200 2 189200 2819001 999805910 4598319245 4598319245 45987019245 7000451264 A2100705001401 A28571 BRIARUB DISC2146 FA864922P0029 HC0727 TP0023 K00308800507 N6833521C0427 NA NA NA NA NA P319957   | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,304<br>9,93<br>10,288<br>126,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>90,027<br>90,027<br>97,448<br>114,453<br>137,608<br>76,840<br>(6,206)<br>71,998<br>82,024   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE GREATE MORPORATED PURDUE UNIVERSITY PURDUE UNIVERSITY BORING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLL ALBORATORY RENSSELAER POLYTECHNIC INSTITUTE STATE OF THE STAT | 08259S1 108371 115218 115218 115218 1300025008 2 2511001 398905 40003325010 45085319245 45087019245 7000451264 AZ10070501AD1 JASS711 BUSC2146 FA846922P0029 H007271P0023 K0030880597 N8833521C0427 NA NA NA NA NA NA NA NA NA P315957 PSCSCS11137410 PC941996   | 311.224                                 | 1,567,352  283,099 29,556 40,628 5,172 (2) 31,394 91,383 10,288 128,665 347,831 490,064 82,907 83,505 8,507 19,927 67,488 114,453 137,604 76,040  |                    | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE NCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN SCENCE ASSOCIATES LLC PURDUE UNIVERSITY WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLA LABORATORY REMSELLARE POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED AVAILABEL OF LOOKED WITWARE INCORPORATED WITWARE INCORPORATED WITWARE INCORPORATED JETCOLA TECHNOLOGIES INCORPORATED RITE GROUP NEXTFLEX KOO AND ASSOCIATES INTERNATIONAL LLC INCOSEK LLC DYNETICS PARE GOODERNICH SYSTEMS CORPORATION SRI INTERNATIONAL SRI INTERNATIONAL REACTION ENGINEEREN INTERNATIONAL REACTION ENGINEEREN INTERNATIONAL  | 0825951 108371 115216 115216 115216 115216 115216 115216 115217 1  | 311.224                                 | 1,567,352<br>283,099<br>29,556<br>40,652<br>40,652<br>5,176<br>5,176<br>5,176<br>5,176<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288 | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE NORPORATED CREATE OF THE STATE OF THE STAT | 08259S1 109371 115216 115216 115216 115216 115217 1  | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,172<br>(2)<br>31,384<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>490,064<br>82,909<br>23,547<br>14,453<br>137,608<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76,840<br>76 | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE INCORPORATED PURDUE UNIVERSITY BORING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S SCENERAL SUCCESSION INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S SCENERAL SUCCESSION INTELLIGENT AUTOMATION INCORPORATED BROOKEN'S SCENERAL SUCCESSION INTELLIGENT SUCC | 08259S1 108371 119378 1193218 13000826008 2 189200 2811001 398805 40003325910 4588319245 45987019245 45987019245 DISC2146 FARRUB DISC2146 FARRUB DISC2146 FARRUB CINCT 10003 H007271P0023 K0008809307 N8833521C0427 NA NA NA NA NA NA NA SA SA SEPTIONES PERSON 11157410 GROUND 11157410 GROUND 1117710 GROUND 111  | 311.224                                 | 1,567,352<br>283,099<br>29,556<br>40,623<br>40,623<br>5,178<br>5,178<br>5,178<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,288<br>10,28 | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE MOORPORATED CREATE MOORPORATED CREATE MOORPORATED DISTINGTON TO THE CONTROL OF THE CONTROL ON THE CONTROL OF THE CONTROL ON THE CONT | 08259S1 109371 115216 115216 115216 115217 115217 115217 115218 1300082008 2199200 2199200 2399905 40003325010 45085319245 45087019245 7000451264 A2100708001A01 A28571 BRIARUU DISTANCIANO HONOTORO HONO  | 311,224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(0,28<br>31,804<br>31,804<br>31,804<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>9,027<br>90,027<br>90,027<br>97,448<br>114,453<br>137,608<br>76,840<br>(6,296)<br>71,998<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>85,005<br>86,005<br>87,448<br>114,453<br>137,608<br>76,840<br>82,004<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>85,005<br>86,005<br>87,448<br>114,453<br>127,608<br>76,840<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>85,005<br>86,005<br>86,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE GREAME INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKGHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MINISTITUTE STATE OF THE STA | 08259S1 109371 115216 115216 13000280008 2189200 2811001 398965 40003325010 45080319245 45087019245 7000451264 A2101052160 BRIRNUB DISC2146 FA864922P0029 HQ07271P0023 K0030880597 N6833221C0427 NNA NA NA NA P315957 PGSCSC11137410 POMERWYB1CP1990034 S02100034 S021000038  | 311.224                                 | 1,567,352  283,099 29,556 40,602,507 5,1726 5,1726 5,1726 5,1726 11,383 10,288 128,665 347,831 59,533 48,505 36,533 48,505 8,577 19,927 67,448 114,453 137,608 82,004 (6,296) 71,998 82,024 271,026 271,026 271,026 271,026 00,731   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREATE MCORPORATED CREATE MCORPORATED PURDUE UNIVERSITY INTELLIGENT AUTOMATION INCORPORATED BROOMENDERS SCENCES SOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV WIT LINCOLL HABORATORY RENSSELAER POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DIVIENTOS INCORPORATED ACA INCENTIAL SERVICES LLC DIVIENTOS INCORPORATED VIRTINAME INCORPORATED JETCOOL TECHNOLOGIES INCORPORATED RI LEE GROUP NEXTFLEX KOO AND ASSOCIATES INTERNATIONAL LLC INNOSES LLC PARC, A XEROX COMPANY PAG GOVERNMENT SYSTEMS CORPORATION SRI INTERNATIONAL REACTION LEVENIMENT SYSTEMS CORPORATION SRI RESIRVE PAGE STATEMS CORPORATION SRI RITERNATIONAL REACTION LEVENIMENT SYSTEMS CORPORATION SRI RESIRVE PAGE STATEMS STATEMS STATEMS CORPORATION SRI RESIRVE PAGE STATEMS STATEMS STATEMS STATEMS CORPORATION SCENCE PAGE STATEMS STATEMS STATEMS CORPORATION SCENCE PAGE STATEMS STATEMS STATEMS CO | 08259S1 109371 115216 115216 115216 115217 115217 115217 115218 1300082008 2199200 2199200 2399905 40003325010 45085319245 45087019245 7000451264 A2100708001A01 A28571 BRIARUU DISTANCIANO HONOTORO HONO  | 311.224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(0,28<br>31,804<br>31,804<br>31,804<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,064<br>82,909<br>26,547<br>9,027<br>90,027<br>90,027<br>97,448<br>114,453<br>137,608<br>76,840<br>(6,296)<br>71,998<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>85,005<br>86,005<br>87,448<br>114,453<br>137,608<br>76,840<br>82,004<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>85,005<br>86,005<br>87,448<br>114,453<br>127,608<br>76,840<br>82,004<br>82,004<br>82,004<br>82,004<br>83,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>84,005<br>85,005<br>86,005<br>86,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,005<br>87,   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000  | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE GREAME INCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKGHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV MINISTITUTE STATE OF THE STA | 0825951 108371 115218 115216 115218 13000826008 2199200 2199200 2399905 40003325910 45985319245 45987019245 7000451264 A2100708001401 A28571 BRIARUB DISC2146 FA864922P0029 H007271P0023 K00308809597 N883321C0427 NA NA NA NA NA NA P315957 PGSISC11137410 PO49196 PRIME 90034 RSC211100681 S111064001 SAB185101 SC2111101   | 311.224                                 | 1,567,352<br>283,099<br>29,556<br>40,628<br>5,176<br>(2)<br>31,804<br>31,804<br>10,288<br>11,383<br>10,288<br>128,665<br>347,831<br>59,533<br>490,004<br>82,909<br>26,547<br>8,507<br>8,507<br>11,453<br>137,608<br>76,840<br>(6,296)<br>71,998<br>82,024<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028<br>271,028   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000 | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREASE MORPORATED PURDUE UNIVERSITY DECING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV WILL INCOLLA BORATORY RENISSELAER POLYTECHNIC INSTITUTE STATE OF THE ST | 08259S1 108371 115216 115216 115216 115216 115216 115216 115026000 2611001 398965 40003325010 45085319245 45087019245 7000451264 AZ10070S001AD1 SSENUB DISC2146 FA864922P0029 HQ07271P0023 K0039800567 N8833521C0427 NA NA NA P315957 PGSCSC11137410 PGMEW911CY19C0034 RSC19063 S021UN00681 S111064001 SAB185101 CC211010   | 311,224                                 | 1,567,352  283,099 29,556 40,628 5,172 (2) 31,394 31,394 10,288 10,288 10,288 128,665 347,831 490,064 82,907 34,831 14,453 137,600 76,208 137,600 76,208 22,147 110,137 18,001 14,17 18,001 18,007 11,026 2,147 110,137 18,001 180,731 20,044 21,026 2,147 110,137 18,001 73,106   | 10,943             |                                     |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000   | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREARE INCORPORATED CREARE NCORPORATED PURDUE UNIVERSITY BOEING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKEN EN CENTRE ASSOCIATES LLC PURDUE UNIVERSITY WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV WINDIAN POLYTECHNIC INSTITUTE AND STATE UNIV MIT LINCOLA LABORATORY RENSELLARE POLYTECHNIC INSTITUTE STI OPTRONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED AVAILABEL OF COMPANY WINDIAN POLYTECHNIC INSTITUTE STOPTIONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED WINDIAN POLYTECHNIC INSTITUTE STOPTIONICS ACCENTURE FEDERAL SERVICES LLC DYNETICS INCORPORATED WINDIAN POLYTE GROUP WINDIAN POLYTE GROUP WINDIAN POLYTE GROUP NEXTELLE (COUR) NEXTELLE (CO | 08259S1 108371 108371 119218 13000826008 2198200 2811001 398805 40003325910 4508319245 4508701924 AZ100735001401 AZ10735001401 AZ1073501401 BRIARUB DISC2146 FA66492270029 HQ07271F0023 K0036805097 N6833521C0427 NA NA NA NA NA NA NA STAN STAN STAN STA   | 311,224                                 | 1,567,352  283,099 29,556 40,652 40,652 5,178 5,178 5,178 10,288 71,383 10,288 128,865 33,503 349,034 82,909 26,547 38,505 8,577 19,927 67,448 271,028   | 10,943             | 7,572,110                           |
| U.S. Department of Defense DEPARTMENT OF DEF | 12.000 | CUBRC INCORPORATED SOUTHERN RESEARCH INSTITUTE CREASE MORPORATED PURDUE UNIVERSITY DECING COMPANY INTELLIGENT AUTOMATION INCORPORATED BROOKHAVEN SCIENCE ASSOCIATES LLC PURDUE UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV WILL INCOLLA BORATORY RENISSELAER POLYTECHNIC INSTITUTE STATE OF THE ST | 08259S1 108371 115216 115216 115216 115216 115216 115216 115026000 2611001 398965 40003325010 45085319245 45087019245 7000451264 AZ10070S001AD1 SSENUB DISC2146 FA864922P0029 HQ07271P0023 K0039800567 N8833521C0427 NA NA NA P315957 PGSCSC11137410 PGMEW911CY19C0034 RSC19063 S021UN00681 S111064001 SAB185101 CC211010   | 311,224                                 | 1,567,352  283,099 29,556 40,628 5,172 (2) 31,394 31,394 10,288 10,288 10,288 128,665 347,831 490,064 82,907 34,831 14,453 137,600 76,208 137,600 76,208 22,147 110,137 18,001 14,17 18,001 18,007 11,026 2,147 110,137 18,001 180,731 20,044 21,026 2,147 110,137 18,001 73,106   | 10,943             |                                     |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                       |  |  |                    |                    |                    | Total                      |
|---|-----------------------|--|--|--------------------|--------------------|--------------------|----------------------------|
|   | Assistance<br>listing |  |  | Direct             | Pass-<br>through   | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor                         | number                | Pass-through entity name   | Pass-through number                          | expenditures       | expenditures       | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                       |  |  |                    |                    |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | REGENTS OF THE UNIVERSITY OF CALIFORNIA                                      | 0160 G VA527                                 | s –                | 15,109             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      | CLARKSON UNIVERSITY CARNEGIE MELLON UNIVERSITY                               | 10178901<br>1141345449621                    | _                  | 45,785<br>49,722   | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | CARNEGIE MELLON UNIVERSITY   | 1150141358366                                | =                  | 6.771              | =                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | ARIZONA STATE UNIVERSITY   | 17-207                                       | _                  | (229)              | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | CFD RESEARCH CORPORATION   | 20200703                                     | _                  | 85,499             | 25,000             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      | UNIVERSITY OF TEXAS AT DALLAS<br>DUKE UNIVERSITY                             | 2109143<br>3131090                           | _                  | 42,811<br>204.598  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | ROCHESTER INSTITUTE OF TECHNOLOGY  | 31641 02                                     |                    | 26.358             |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | NORTHEASTERN UNIVERSITY  | 50337878050                                  | _                  | (14,422)           | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | ARIZONA STATE UNIVERSITY   | ASUB00000771                                 | -                  | 58,872             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      | LIFT<br>SPACE DYNAMICS LABORATORY  | C2001<br>CP0053769                           | _                  | 7,381<br>34.465    | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | NEW YORK UNIVERSITY  | F137401PO IB00436960                         |                    | 22.558             |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | LIQUIDPISTON   | FA864921P0048                                | _                  | 21,980             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 922,080            | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 785,714<br>128,280 | _                  | 489,798            |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 131,326            | _                  | 70,385             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 365,307            | _                  |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | UNIVERSITY OF NEW HAMPSHIRE  | L0076  | _                  | 72,048             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300                |  |  | 18,135             | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 105,293<br>(6.835) | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 15.178             | =                  |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 473,228            | _                  | 40,122             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 73,991             | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 207,157<br>303.868 | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300                |  |  | 201.951            | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 71,452             | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 201,353            | _                  |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 71,316<br>436,468  | _                  | 22,374<br>203,871  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 208,715            | _                  | 81,640             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 172,002            | _                  |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 123,185            | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 166,237<br>132,758 | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300                |  |  | 132,758            |                    |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 3,234,454          | _                  | 1,854,649          |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 169,674            | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 143,414            | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      | NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY                               | N000142112611                                | 114,158            | 1,796              | =                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | NOTIFICATION OF COLLIDE AND TECHNOLOGY                                       | 11000142112011                               | 82,452             | - 1,750            | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 353,915            | _                  | 43,117             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 56,953             | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      |  |  | 19,003<br>16.505   | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 447,550            | =                  |                    |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 3,722              | _                  | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                |  |  | 11,979             | _                  | 11,979             |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH         | 12.300<br>12.300      | CRITICAL TECHNOLOGIES  | N6833521C0446_PH01SUBK01                     | _                  | 3,435<br>174       | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | MASSACHUSETTS INSTITUTE OF TECHNOLOGY<br>UNIVERSITY OF MIAMI                 | S4709 PO 244452<br>SPC001427                 | _                  | 20.976             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | ARCTOS TECHNOLOGY SOLUTIONS  | SUBK00149                                    | _                  | 9,492              | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH   | 12.300                | HYPRES INCORPORATED  | W911NF1710120                                | _                  | 51,965             | _                  |                            |
| BASIC AND APPLIED SCIENTIFIC RESEARCH<br>NAVAL MEDICAL RESEARCH AND DEVELOPMENT     | 12.300<br>12.340      | UNIVERSITY OF UTAH   | Y10046918<br>P010252986                      | _                  | 23,772<br>80 133   | _                  | 10,885,485<br>80 133       |
| BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION                   | 12.351                | GENERAL ELECTRIC GLOBAL RESEARCH   | 401150290                                    | _                  | 56,101             | _                  | 60,133                     |
| BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION                   | 12.351                |  |  | 48,829             |                    | _                  | 104,930                    |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | WRIGHT STATE UNIVERSITY  | 0055455                                      | _                  | 13,503             | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | WEST VIRGINIA UNIV. RESEARCH CORP. ON BEHALF OF WEST VIRGINIA UNIV.          | 19082UB                                      | _                  | 5,873              | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420<br>12.420      | WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY<br>LUNA INNOVATIONS INCORPORATED | 210043 - PO 4100747008<br>3724 02SUNY        |                    | 1,825<br>111.578   | =                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | HEALTH RESEARCH INC  | 42601  |                    | 12,417             |                    |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | HEALTH RESEARCH INC  | 43801  | _                  | 20,072             | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | OHIO STATE UNIVERSITY  | 60079530                                     | _                  | 95,340             | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420<br>12.420      | INBIOS INTERNATIONAL INCORPORATED MICRORID TECHNOLOGIES INCORPORATED         | DODICTTO101W81XWH16D0009<br>DODW81XWH2010390 | _                  | 1,697<br>311,614   | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420                | PHOENIX CHILDREN'S HOSPITAL  | FRYE1902                                     | =                  | 311,614<br>161.905 | =                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | ADVANCED TECHNOLOGY INTERNATIONAL  | MTEC1701DHIM01                               | _                  | 644,161            | 71,603             |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | ATUX ISKAY GROUP   | PR190071                                     | _                  | 56,924             | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420<br>12.420      | UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER                              | RF70031-2019-0388<br>RS2017039001            | _                  | 126,541<br>10.518  | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420                | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA<br>GENEVA FOUNDATION          | S1105701                                     | _                  | 77.099             | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                | BUFFALO INSTITUTE FOR MEDICAL RESEARCH                                       | UB20190915JQ                                 | =                  | 74,880             |                    |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT   | 12.420                |  |  | 5,029              |                    | 5,029              |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420<br>12.420      |  |  | 813<br>79,362      | _                  | _                  |                            |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT | 12.420<br>12.420      |  |  | 79,362<br>(1,486)  | _                  | _                  |                            |
|   | 12.720                |  |  | (1,400)            | _                  |                    |                            |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance        |   |                              |                        | Pass-                   | Passed-                     | Total<br>expenditures         |
|--|-------------------|---|------------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | listing<br>number | Pass-through entity name  | Pass-through number          | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                   |   |                              |                        |                         |                             |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | \$ 132,931             | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 21,829                 | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 87,001                 | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420<br>12.420  |   |                              | 97,029<br>173 106      | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 157.405                | _                       |                             |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 104,571                | _                       | 48,271                      |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 10,726                 | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 807,251                | _                       | 293,363                     |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420<br>12.420  |   |                              | 579,206<br>150,097     | _                       | 36,862<br>109,678           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 241.804                | _                       | 109,076                     |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 234,556                | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 320,586                | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 120,775                | _                       |                             |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420<br>12.420  |   |                              | 142,299<br>114 244     | _                       | 124,404                     |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 114,244<br>262 376     |                         | 56 139                      |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 112,574                | _                       | 20,463                      |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 96,351                 | _                       |                             |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 109,565                | _                       |                             |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420<br>12.420  |   |                              | 385,538<br>114 299     | _                       | 52,057                      |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 114,299                | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 153,026                | =                       | =                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 46,883                 | _                       | _                           |                               |
| MILITARY MEDICAL RESEARCH AND DEVELOPMENT  | 12.420            |   |                              | 10,247                 | _                       | _                           | 6,719,203                     |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  | UNIVERSITY OF MARYLAND UNIVERSITY OF MARYLAND                               | 109257Z8471203               | _                      | 307<br>7.916            | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431            | NEW YORK MEDICAL COLLEGE  | 109810-Z8471206<br>124120    | _                      | 7,916<br>9.895          | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | NEW YORK MEDICAL COLLEGE  | 124121                       | _                      | 31,583                  | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | PURDUE UNIVERSITY   | 13000844-021                 | _                      | 63,029                  | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | PURDUE UNIVERSITY   | 13001022-064                 | _                      | 237,523                 | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV<br>UNIVERSITY OF MARYLAND     | 45073119245<br>92953Z8310204 | _                      | 19,423<br>111,783       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | RENSSELAER POLYTECHNIC INSTITUTE  | 9295326310204<br>A12843      | _                      | 32,293                  | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | RENSSELAER POLYTECHNIC INSTITUTE  | A210081S001                  | =                      | 53.587                  | =                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | SEMI  | FT19-22-216                  | _                      | 154,085                 | 120,744                     |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | SRI INTERNATIONAL   | PO49034                      | _                      | 231,467                 | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  | SRI INTERNATIONAL UNIVERSITY OF HOUSTON                                     | PO66725<br>R190101           | _                      | 5,338<br>16,036         | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431            | MAGNOLIA OPTICAL TECHNOLOGIES INCORPORATED                                  | W31P4Q10C0008                | _                      | 40,062                  | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            | WASHOLIA OF TICAL TECHNOLOGICS INCOMPONATED                                 | W3174Q10C0000                | 31,769                 | 40,002                  | =                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 61,398                 | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 237,504                | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  |   |                              | 49,063<br>(18,881)     | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 27 168                 | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 439,103                | _                       | 334,500                     |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 144,860                | _                       | 35,635                      |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 5,921                  | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  |   |                              | 82,563<br>150,619      | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 469                    |                         | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 18,223                 | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 88,796                 | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431<br>12.431  |   |                              | 175,420<br>214,399     | -                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 214,399<br>98.485      | =                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 41,231                 | _                       | _                           |                               |
| BASIC SCIENTIFIC RESEARCH  | 12.431            |   |                              | 21,637                 | _                       | _                           | 2,884,074                     |
| DOD, NDEP, DOTC-STEM EDUCATION OUTREACH IMPLEMENTATION   | 12.560            | IS4S  | 105166000100010001           | _                      | 60,542                  | _                           | 60,542                        |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING<br>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630<br>12.630  | NORTHWESTERN UNIVERSITY<br>UNIVERSITY OF CALIFORNIA AT SAN DIEGO            | 60058661BUFF<br>703812       | _                      | 28,857<br>53,915        | =                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING  BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            | UNIVERSITY OF CALIFORNIA AT SAN DIEGO UNIVERSITY OF CALIFORNIA AT SAN DIEGO | 703812                       | _                      | 22,609                  | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            | UTAH STATE UNIVERSITY SPACE DYNAMICS LABORATORY                             | CP0047449                    | -                      | 71                      | -                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            |   |                              | 139,910                | _                       | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            | JAN BIOTECH INCORPORATED  | JBISC2020PII                 | _                      | 132,178                 | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING<br>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630<br>12.630  | UNIVERSITY OF CALIFORNIA AT SANTA BARBARA PRAIRIE VIEW A&M UNIVERSITY       | KK1919<br>S160502 M1602156   | _                      | 89,964<br>98,072        | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING  BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            | AMERICAN GNC CORPORATION  | UA120621                     |                        | 28,485                  | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            |   |                              | 66,105                 |                         | -                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            |   |                              | 17,928                 | _                       | _                           |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630            |   |                              | 1,216,128              | _                       | 608,783                     |                               |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING<br>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630<br>12.630  |   |                              | 278,239<br>595,442     | _                       | 343,500                     | 2,767,903                     |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  | 12.800            | WRIGHT STATE UNIVERSITY   | 074071                       | 393,442                | 9.284                   | J43,300<br>—                | 2,707,903                     |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  | 12.800            | FLEX TECH ALLIANCE  | 19-17                        | -                      | (473)                   | -                           |                               |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  | 12.800            | UNIVERSITY OF MASSACHUSETTS AMHERST   | 22016722A00                  | _                      | 56,872                  | _                           |                               |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  | 12.800            | INTELLIGENT AUTOMATION INCORPORATED   | 26171                        | _                      | 5,970                   | _                           |                               |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  | 12.800<br>12.800  | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL<br>FLEX TECH ALLIANCE           | 5119289<br>716022            | _                      | 134,963<br>80,286       | 74,339                      |                               |
| AND STOCKE SELECTED RESERVED FROM THE SELECTION OF THE SE | 12.000            | - LEAT LOTTILLA WOL   | 7 10022                      | _                      | 00,200                  | 14,558                      |                               |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor   | Assistance<br>listing<br>number | Pass-through entity name   | Page through number                           | Direct           | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | expenditures<br>by ALN and |
|---|---------------------------------|--|---|------------------|----------------------------------|--|----------------------------|
|   | number                          | Pass-tnrougn entity name   | Pass-through number                           | expenditures     | expenditures                     | to subrecipients                       | federal grantor            |
| SEARCH AND DEVELOPMENT CLUSTER: AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                                 | 12.800                          | FLEX TECH ALLIANCE   | 716023  | •                | 74 240                           | 67.097                                 |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | JALINT AIR MOBILITY LLC  | AF-STTR-SUB-006                               | • _              | 3.022                            | 07,007                                 |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | GEORGIA INSTITUTE OF TECHNOLOGY  | AWD-101582-G1 PO-5004254                      | _                | 266,876                          | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | UNITED AIRCRAFT TECHNOLOGIES   | FA864921P0157                                 | _                | 16.043                           | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | SEEQC  | FA864921P0773                                 | _                | 275,732                          | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 9,180,008        | _                                | 4,842,241                              |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 7,546,588        | _                                | 299,793                                |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 80,268           | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                     | 12.800<br>12.800                |  |   | 120,792<br>(353) | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                    | 12.800                          |  |   | 100,851          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                    | 12.800                          |  |   | 100,851          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 83.007           |                                  | 14,372                                 |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 103,011          | _                                |  |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 146,751          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 220,168          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 110,174          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 277,946          | _                                | 165,692                                |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 133,707          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 107,241          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 307,944          | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM<br>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                  | 12.800<br>12.800                |  |   | 43,396<br>98.342 | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                     | 12.800<br>12.800                |  |   | 98,342<br>43,404 | =                                | =                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                    | 12.800                          |  |   | 43,404<br>64,092 |                                  | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 10.766           | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12 800                          |  |   | 18,944           | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          |  |   | 5,009            | _                                | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | UNIVERSITY OF CALIFORNIA AT SANTA BARBARA  | KK2010  | · –              | 77,879                           | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | NANO-BIO MATERIALS CONSORTIUM  | NB18-20-20                                    | _                | 78,553                           | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | NANO-BIO MATERIALS CONSORTIUM  | NB182019                                      | _                | 126,946                          | 67,387                                 |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | FLEX TECH ALLIANCE   | PC5.5-LMC-SUNY                                | _                | 189,545                          | 91,493                                 |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | GEORGIA INSTITUTE OF TECHNOLOGY  | RJ287-G1/AWD-101582-G1                        | _                | 97                               | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | UNIVERSITY OF BRISTOL  | \$100316101                                   | _                | 30,202                           | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                     | 12.800<br>12.800                | UES INC<br>GRIFFISS INSTITUTE  | S111060001<br>SA10012022020481                | _                | 52,914<br>13 506                 | _                                      |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM  AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM                    | 12.800                          | FLEX TECH ALLIANCE   | SA10012022020481<br>SEMI-FLEXTECH FT19-21-210 |                  | 319.639                          | 228 955                                |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | FLEX TECH ALLIANCE   | SEMI-FLEXTECH FT19-21-211                     |                  | 178,529                          | 132,053                                |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | FLEX TECH ALLIANCE   | SEMI-NBMC #NB18-20-23                         |                  | 739,964                          | 596,520                                |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | NANO-BIO MATERIALS CONSORTIUM  | SEMI-NBMC #NB18-21-35                         | _                | 49.165                           | 2,284                                  |                            |
| AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM   | 12.800                          | UNIVERSITY OF FLORIDA  | SUB00002175                                   | _                | 123,468                          |  | 21,770,00                  |
| INFORMATION SECURITY GRANTS   | 12.902                          | QUANTERION SOLUTIONS INCORPORATED  | 2019HDIAC0501                                 | _                | 966                              | _                                      | 96                         |
| GENCYBER GRANTS PROGRAM   | 12.903                          |  |   | 3,296            | _                                | _                                      | 3,29                       |
| CYBERSECURITY CORE CURRICULUM   | 12.905                          |  |   | 60,594           | _                                | _                                      | 60,59                      |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY  | 0007412001                                    | _                | 993                              | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | XALLENT  | 140D0419C0096                                 | _                | 86,972                           | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                | FLORIDA INSTITUTE FOR HUMAN AND MACHINE COGNITION<br>FLORIDA INSTITUTE FOR HUMAN AND MACHINE COGNITION | 202101101SBU<br>202102001SBU                  | _                | 68,982<br>52,985                 | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910                          | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK  | 2021020015B0<br>2GG01718301 SAPO G16358       | _                | 52,985<br>24,351                 | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | 4.8-10037                                     | _                | 98,461                           | 98.461                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | 4.9   |                  | 317,889                          | 296,967                                |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | GENERAL ELECTRIC GLOBAL RESEARCH   | 401144470                                     | _                | 76,143                           | 200,007                                |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | LOCKHEED MARTIN CORPORATION  | 4103493872                                    | _                | 165.094                          | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | IBM CORPORATION  | 5005026260                                    | _                | (71)                             | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NORTHEASTERN UNIVERSITY  | 50523278051                                   | _                | 48,052                           | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | SRI INTERNATIONAL  | 64655   | _                | 57,618                           | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | ADP PC 5.8 GE/SUNY                            | _                | 44,144                           | 40,929                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | FLEX TECH ALLIANCE   | ADP#9   | _                | (597)                            | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          |  |   | 586              | _                                | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEW YORK LINE EDOTTY   | F40F704#D00F00707                             | 46,819           | 3.457                            | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                | NEW YORK UNIVERSITY<br>NEW YORK UNIVERSITY   | F185701/IB00539707<br>F731501                 | _                | 3,457<br>58.849                  | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEW TORK UNIVERSITY  | F/3/301                                       | 179,933          | 30,049                           | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | QUINNECT LLC   | FA875020P1713                                 | 170,000          | 150.647                          |  |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | ANALOG PHOTONICS LLC   | HR0011 19 C 0083                              | _                | 284,899                          | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          |  | 11100111000000                                | 284.358          | 204,000                          | 103.288                                |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          |  |   | 4,793,810        | _                                | 2.834.755                              |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | POWDERMET INCORPORATED   | HROJ1121C0145                                 |                  | 47                               |  |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | KITWARE INCORPORATED   | K00308800S04                                  | _                | 68,718                           | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | PC 3.7B GE/SUNY                               | _                | 85,711                           | 71,461                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | PC 5.8 GE/SUNY- 10049                         | _                | 35,408                           | 29,057                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | PROJECT 5.2A                                  | _                | 77,246                           | 42,255                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910                          | NEXTFLEX   | PROJECT 5.4 - 10044                           | _                | 119,524                          | 98,876                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   | 12.910<br>12.910                | NEXTFLEX MICHICAN STATE UNIVERSITY   | PROJECT 5.7- 10048<br>RC112086RESUNY          | _                | 1,245<br>31 928                  | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                | MICHIGAN STATE UNIVERSITY ANALOG PHOTONICS LLC   | RC112086RFSUNY<br>SUB-2-HR011-16-C-0108       | _                | 31,928<br>1.139.933              | _                                      |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                | ANALOG PHOTONICS LLC<br>NEXTFLEX   | SUB-2-HR011-16-C-0108<br>TASK 6.10            | _                | 1,139,933                        | 6.520                                  |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                | NEXTFLEX<br>NEXTFLEX   | TASK 6.10                                     | _                | 13,249<br>43.012                 | 6,520<br>25.174                        |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910                          | NEXTFLEX<br>NEXTFLEX   | TASK 6.1                                      | _                | 43,012<br>28,764                 | 12,522                                 |                            |
| ALGO MOTTAND LOCATOLOGY DEVELOT MENT  | 12.010                          | NEXTFLEX   | TASK 6.7                                      | _                | 95,558                           | 61,530                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT   |                                 |  |   |                  |                                  |  |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT                                     | 12.910<br>12.910                |  |   | =                |                                  | 61,550                                 |                            |
| RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT | 12.910<br>12.910<br>12.910      | OPTOXENSE  | W31P4Q-21-C-0002                              | 264.897          | 113,829                          | -<br>-                                 | 8.963.                     |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name  | Pass-through number                 | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|---|-------------------------------------|------------------------|----------------------------------|--|--|
| RESEARCH AND DEVELOPMENT CLUSTER:  |                                 |   |                                     |                        |                                  |  |  |
| U.S. Department of Housig and Urban Development:<br>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT  | 14.000                          | HOME INNOVATION RESEARCH LABS INCORPORATED  | NA                                  | s –                    | 840                              | _                                      | 840  |
| HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY<br>GRANTS (CDBG-DR)  | 14.269                          | RESEARCH FOUNDATION OF CUNY   | 58580-01-E                          | _                      | 104                              | _                                      | 104  |
| HEALTHY HÖMES TECHNICAL STUDIES GRANTS   | 14.906                          |   |                                     | 45,958<br>45,958       | 944                              | 1,508                                  | 45,958<br>46,902                                       |
| Total U.S. Department of Housing and Urban Development U.S. Department of the Interior:  |                                 |   |                                     | 45,958                 | 944                              | 1,508                                  | 46,902   |
| DEPARTMENT OF THE INTERIOR   | 15.000                          |   |                                     | 29,270                 | _                                | _                                      |  |
| DEPARTMENT OF THE INTERIOR DEPARTMENT OF THE INTERIOR  | 15.000<br>15.000                | UNIVERSITY OF NEW HAMPSHIRE   | 17019                               | 41,021                 | 79.303                           | _                                      |  |
| DEPARTMENT OF THE INTERIOR   | 15.000                          | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION  | AM11043                             | _                      | 942,354                          | _                                      |  |
| DEPARTMENT OF THE INTERIOR   | 15.000                          | NATURESERVE   | NY 037 FY21                         | _                      | 4,959                            | _                                      | 1,096,907  |
| FISH, WILDLIFE AND PLANT CONSERVATION RESOURCE MANAGEMENT  | 15.231                          | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION  | AM11059                             | _                      | 829,875                          | _                                      | 829,875  |
| FISH AND WILDLIFE COORDINATION ACT<br>FISH AND WILDLIFE MANAGEMENT ASSISTANCE  | 15.517<br>15.608                | WAYNE STATE UNIVERSITY  | WSU20120                            | 48,015                 | 2,053                            | =                                      | 2,053  |
| FISH AND WILDLIFE MANAGEMENT ASSISTANCE  | 15.608                          |   |                                     | 26,761                 | _                                | _                                      | 74,776   |
| WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION  | 15.611                          | MISSOURI DEPARTMENT OF CONSERVATION   | 76 B                                |                        | 8,451                            | _                                      |  |
| WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION  | 15.611                          | ALASKA DEPARTMENT OF FISH AND GAME  | COOP 19 051                         | _                      | 102,333                          | _                                      |  |
| WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION  | 15.611<br>15.611                | KANSAS DEPARTMENT OF WILDLIFE PARKS AND TOURISM<br>MICHIGAN DEPARTMENT OF NATURAL RESOURCES | W 125 R 1<br>WLD1814 GG# 751 21-937 | _                      | 58,957<br>39.717                 | _                                      |  |
| WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION  | 15.611                          | MICHIGAN DEPARTMENT OF NATURAL RESOURCES  | WLD1815 GG# 751 21-938              | =                      | 142,904                          | =                                      | 352,362  |
| PARTNERS FOR FISH AND WILDLIFE   | 15.631                          | TIOGA COUNTY SOIL AND WATER CONSERVATION DISTRICT   | 2019-79                             | _                      | 2,969                            | _                                      | 2,969  |
| STATE WILDLIFE GRANTS  | 15.634                          | ARIZONA GAME AND FISH DEPARTMENT  | CTR052772 PO0000271731              | _                      | 38,079                           | _                                      | 38,079   |
| MIGRATORY BIRD JOINT VENTURES  | 15.637                          | CLEMSON UNIVERSITY  | 22732162024437                      | _                      | 13,721                           | _                                      |  |
| MIGRATORY BIRD JOINT VENTURES MIGRATORY BIRD JOINT VENTURES  | 15.637<br>15.637                | CLEMSON UNIVERSITY  | 2274 216 2024437                    | 62.447                 | 1,860                            | _                                      | 78.028   |
| RESEARCH GRANTS (GENERIC)  | 15.650                          | NATIONAL FISH AND WILDLIFE FOUNDATION   | 2005-0129-069B / 72403              | 62,447                 | 2,864                            |  | 78,028<br>2.864  |
| RECOVERY ACT FUNDS - HABITAT ENHANCEMENT, RESTORATION AND IMPROVEMENT.   | 15 656                          | TATION ET OTTAGE VIEDER ET OORDATION  | 2000 0120 0000772400                | 7 691                  | 2,004                            | _                                      | 2,004  |
| RECOVERY ACT FUNDS - HABITAT ENHANCEMENT, RESTORATION AND IMPROVEMENT.   | 15.656                          |   |                                     | 202                    | _                                | _                                      | 7,893  |
| ENDANGERED SPECIES CONSERVATION & RECOVERY IMPLEMENTATION FUNDS  | 15.657                          |   |                                     | 48,029                 | _                                | 34,114                                 |  |
| ENDANGERED SPECIES CONSERVATION D RECOVERY IMPLEMENTATION FUNDS<br>ENDANGERED SPECIES CONSERVATION D RECOVERY IMPLEMENTATION FUNDS                                       | 15.657<br>15.657                |   |                                     | 23<br>148 957          | _                                | _                                      | 197 009  |
| NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION   | 15.658                          |   |                                     | 125,849                | _                                | _                                      | 197,009  |
| NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION   | 15.658                          | ADIRONDACK CENTER FOR LOON CONSERVATION   | N/A                                 | 120,040                | 2,729                            | _                                      | 128,578  |
| GREAT LAKES RESTORATION  | 15.662                          |   |                                     | 38,415                 |                                  | _                                      |  |
| GREAT LAKES RESTORATION  | 15.662                          |   |                                     | 46,231                 | _                                | _                                      |  |
| GREAT LAKES RESTORATION  | 15.662                          |   |                                     | 47,640                 | _                                | _                                      |  |
| GREAT LAKES RESTORATION GREAT LAKES RESTORATION  | 15.662<br>15.662                | NATIONAL AUDUBON SOCIETY INCORPORATED   | NA                                  | 74,479                 | 18,382                           | =                                      | 225.147  |
| ADAPTIVE SCIENCE   | 15.670                          | NEVADA DEPARTMENT OF WILDLIFE   | SG22 12                             | _                      | 13,176                           | _                                      | 13,176   |
| HURRICANE SANDY DISASTER RELIEF ACTIVITIES-FWS   | 15.677                          | UNIVERSITY OF DELAWARE  | 49164                               | _                      | 26,831                           | _                                      | 26,831   |
| ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES  | 15.805                          | CORNELL UNIVERSITY  | 14050421369                         | _                      | 4,148                            | _                                      |  |
| ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES  | 15.805                          |   |                                     | 3,283                  | _                                | =                                      |  |
| ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES  | 15.805<br>15.805                |   |                                     | 6,909<br>36            | _                                | _                                      | 14.376   |
| EARTHQUAKE HAZARDS PROGRAM GRANTS  | 15.807                          |   |                                     | 66.243                 |                                  | =                                      | 14,370   |
| EARTHQUAKE HAZARDS PROGRAM GRANTS  | 15.807                          |   |                                     | 31,265                 | _                                | _                                      | 97,508   |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808                          |   |                                     | 29,278                 | _                                | _                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808                          | AMERICAVIEW   |                                     | 1,605                  |                                  | _                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808<br>15.808                | AMERICAVIEW   | AV18 NY 01                          | 52.886                 | 27,778                           | _                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808                          |   |                                     | 105.467                |                                  | =                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808                          |   |                                     | 15,098                 | _                                | _                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION  | 15.808                          |   |                                     | 31,166                 | _                                | _                                      |  |
| U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT   | 15.808<br>15.922                |   |                                     | 47,982<br>14,030       | _                                | _                                      | 311,260<br>14,030                                      |
| NATIVE AMERICAN GRAVES PROTECTION AND REPAIRIATION ACT<br>NATIONAL CENTER FOR PRESERVATION TECHNOLOGY AND TRAINING   | 15.922                          |   |                                     | 14,030<br>8.342        |                                  |  | 14,030<br>8,342  |
| AMERICAN BATTLEFIELD PROTECTION  | 15.926                          | HUDSON CROSSING PARK INC.   | NA                                  | - 0,042                | 10.058                           | _                                      | 0,042  |
| AMERICAN BATTLEFIELD PROTECTION  | 15.926                          |   |                                     | 3,092                  |                                  | _                                      |  |
| AMERICAN BATTLEFIELD PROTECTION  | 15.926                          |   |                                     | 21,163                 | _                                | _                                      | 34,313   |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM        | 15.945<br>15.945                |   |                                     | 32,880<br>8,489        | _                                | =                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM  COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM       | 15.945                          |   |                                     | 804                    | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                                     | 65,043                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                                     | 63,592                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                                     | 23,510                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM        | 15.945<br>15.945                |   |                                     | 23,144<br>1.255        | _                                | =                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM  COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM       | 15.945                          |   |                                     | 1,255<br>27,847        |                                  |  |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                                     | 2.517                  | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                                     | 1,081                  | _                                | _                                      | 250,162  |
| Total U.S. Department of the Interior  |                                 |   |                                     | 1.433.037              | 2.373.501                        | 34.114                                 | 3.806.538  |
| U.S. Department of Justice:  |                                 |   |                                     |                        |                                  |  | -10001000  |
| DEPARTMENT OF JUSTICE  | 16.000                          |   |                                     | 798,335                | _                                | _                                      | 798,335  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560                          |   |                                     | 40,036                 | _                                | _                                      |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS<br>NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS | 16.560                          |   |                                     | 1,617                  | _                                | 1,617                                  |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS  NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560<br>16.560                |   |                                     | 1,140<br>47.895        | _                                | _                                      |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560                          |   |                                     | 31,088                 | _                                | =                                      |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560                          |   |                                     | 35,738                 | =                                | =                                      |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560                          |   |                                     | 77,789                 | _                                | _                                      |  |
| NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS   | 16.560                          |   |                                     | 151,877                | _                                | 20,936                                 |  |
|  |                                 |   |                                     |                        |                                  |  |  |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| March   Marc   |   | Assistance<br>listing |  |                        | Direct           | Pass-<br>through | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|--|---|-----------------------|--|------------------------|------------------|------------------|--------------------|-------------------------------------|
| March   Marc   | Federal grantor/federal subdivision or pass-through grantor   | number                | Pass-through entity name                           | Pass-through number    | expenditures     | expenditures     | to subrecipients   | federal grantor                     |
| March   Marc   | RESEARCH AND DEVELOPMENT CLUSTER: MATIONAL INSTITUTE OF HISTOR DESEABOR EVALUATION AND DEVELOPMENT DROJECT CRANTS | 16 560                |  |                        | 930 43 9         |                  |                    |                                     |
| Part   Machine   |   |                       |  |                        |                  | =                | 71.482             | 770.981                             |
| Part   Compare Act   Part      | CRIME VICTIM ASSISTANCE   |                       |  |                        |                  |                  |                    |                                     |
| 1.00      | HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM  | 16.754                | ERIE COUNTY DEPARTMENT OF HEALTH                   | 19530HE                |                  | 38,502           |                    |                                     |
| Comment of Comment o   | Total U.S. Department of Justice  |                       |  |                        | 1,569,316        | 89,254           | 94,035             | 1,658,570                           |
| THE SECURITY OF THE SECURITY O | U.S. Department of Labor:   |                       |  |                        |                  |                  |                    |                                     |
| Company   Comp   |   |                       |  |                        | _                |                  | _                  |                                     |
| 1.5    |   | 17.277                | WESTERN NT COUNCIL ON OCCUPATIONAL SAFETT & REALTH | NA NA                  |                  |                  |                    |                                     |
| GLICAN PRINCE PROCESSAN   19.00   19   |   |                       |  |                        |                  | 57,296           |                    | 57,296                              |
| PLASE   PLAS   |   | 10.022                |  |                        | 20.244           |                  |                    | 20.244                              |
| Professional And Collection (Collection    |   |                       | AMERICAN COUNCIL FOR INTERNATIONAL EDUCATION       | SRS50021GR3010         | 30,244           | 1,130            | _                  | 30,244                              |
| Property   1988   198   | PUBLIC DIPLOMACY PROGRAMS   |                       |  |                        | 23,771           | _                | _                  |                                     |
| Trail Deposits Expert   1909   |   |                       | ASPEN INSTITUTE                                    | SECAGD18CA0070         | 27 176           | 149,998          | 41,018             | 149,998                             |
| 1.5  |   |                       |  |                        |                  | _                | =                  | 114,269                             |
| 1.5  | Total U.S. Department of State  |                       |  |                        | 176 284          | 151 128          | 41 018             | 327 412                             |
| Comment of TenderContants   2000   TOCK   10   20   |   |                       |  |                        |                  |                  |                    |                                     |
| DEPAREMENT OF PROMOBINE   1000   10   | DEPARTMENT OF TRANSPORTATION  | 20.000                | TOXCEL LLC   | 2019007                | _                | 167,019          | _                  |                                     |
| ARREST MERIODAM  100 MICHANIN PROCREMENT PROCRAM  100 MICHANIN PROCREMENT SCHOOL SCHOO |   |                       |  |                        | 98,566           | _                | 67,653             |                                     |
| MERSEN MERONE MERONE MORPH PROCESSAM CONTROL PRO |   |                       |  |                        | _                |                  | _                  | 348,006                             |
| HERDENT MEDICAN MEDICAN SERVICES   MISSESS     |   |                       |  |                        | =                |                  | =                  | 6.300                               |
| MIRPHAY PRINCIPATION PROGRAM   20 00   MITCHAN ADDRESS   PROFESS   | HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM  | 20.200                | PURDUE UNIVERSITY                                  | 16100093018            | _                | 70,950           | _                  |                                     |
| MINISTRATION OF CONTRICTION   20.00   NITEDRAY NUMBER   19.004     |   |                       |  |                        |                  |                  |                    | 400.000                             |
| MIGHAN PLANING AND CORTETUCTION   1926   1   |   |                       |  |                        |                  |                  |                    | 126,603                             |
| MICHAN FLANKING AND CONSTRUCTION   20.00   1.00.00   1   | HIGHWAY PLANNING AND CONSTRUCTION   | 20.205                | NYS ENERGY RESEARCH AND DEVELOPMENT AUTHORITY      | 152858                 |                  | 69,893           | _                  |                                     |
| HICHEAN PLANNIX AND CONTRICTION   22.00   RECEPTION PROFITS   25.00140   2.00   |   |                       |  |                        |                  |                  |                    |                                     |
| MICHIAN PLANIS AND COSTRUCTION   20.00   RESEARCH FUNDATION OF 10.00   1.00     |   |                       |  |                        |                  |                  |                    |                                     |
| MISHAMP NEWNOR AND CONTRICTIONS   20.56   MISE DUCATION DEPARTMENT   C.01972     38/175  | HIGHWAY PLANNING AND CONSTRUCTION   | 20.205                |  |                        | _                |                  | =                  |                                     |
| HIGHWAY FLANKS AND CONTRILCTION   23.56   NES DUCTION DEPARTMENT   COMMODITION   COM   |   |                       |  |                        | 59,862           |                  | _                  |                                     |
| HERWAY FLANNIC AND CONSTRUCTION   12,005   LIMINESSITY TRANSPORTATION (SET CONTINUENT) (S   |   |                       |  |                        | _                |                  |                    |                                     |
| HIGHWAY FLANNICA AND CONSTRUCTION   CANADISTACTION   CA   |   |                       |  |                        | =                |                  | =                  |                                     |
| MISHAWY PLANING AND CONSTRUCTION   20.55   STANTEC CONSULTION SERVICES NC   PN 7753.77   - 689   - 1518.86   1518.   |   | 20.205                | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK | CM00002578 55513-02-29 | _                |                  | 25,042             |                                     |
| HIGHWAY PLANING AND CONSTRUCTION   PN 7334   | HIGHWAY PLANNING AND CONSTRUCTION   |                       |  |                        | -                |                  | _                  |                                     |
| BAROND RESERVICH AND DEVELOPMENT   AND INC. INC. PROVINCE PROVIN   |   |                       |  |                        |                  |                  | _                  | 1.518.480                           |
| UNNERSITY TRANSPORTATION CENTERS PROGRAM UNNERSITY TRANSPORTATION CENTERS PROGRAM UNNERSITY TRANSPORTATION CENTERS PROGRAM TOTAL US. Department of Transportation  U.S. POSTAL SERVICE U.S | RAILROAD RESEARCH AND DEVELOPMENT   | 20.313                |  |                        | 48,506           | _                | 7,445              | 48,506                              |
| U.S. Popular Service   20.00   | NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA) DISCRETIONARY SAFETY GRANTS                                |                       |  |                        | _                |                  | _                  | 189,395                             |
| Total U.S. Department of Transportation  | UNIVERSITY TRANSPORTATION CENTERS PROGRAM  UNIVERSITY TRANSPORTATION CENTERS PROGRAM                              |                       | RUTGERS UNIVERSITY                                 |                        | _                |                  | =                  | 204,614                             |
| U.S. POSTAL SERVICE U.S. POSTAL SERVICE U.S. POSTAL SERVICE 2200 2133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 133,822 181,823  |   |                       |  |                        | 206 934          | 2 234 970        | 245 760            | 2 441 904                           |
| U.S. POSTAL SERVICE  |   |                       |  |                        |                  |                  |                    | -1,,                                |
| Total U.S. Postal Service   133,822  | U.S. POSTAL SERVICE   | 22.000                |  |                        | 69,134           | _                | _                  |                                     |
| Office of Personnel Management   Af 522  | U.S. POSTAL SERVICE   | 22.000                |  |                        | 64,688           |                  |                    | 133,822                             |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   33.983       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   33.942       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   33.942       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   35.945       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   42.102       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   43.012       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   43.014  | Total U.S. Postal Service   |                       |  |                        | 133,822          |                  |                    | 133,822                             |
| NTERGOVERNMENTAL PERSONNEL ACT (FIRA) MOBILITY PROGRAM   27.011   33,983   |   |                       |  |                        |                  |                  |                    |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   38.942  |   |                       |  |                        |                  | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   59.325  | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM    |                       |  |                        | 33,983<br>36,842 | _                | =                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   3,471       NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   (204)       NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   (204)       NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   (3.014)                  | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                |  |                        | 33,965           | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   2.278       NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   2.278       NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   4.579       NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   4.579       NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   5.070       NTERGOVERNMENTAL PE   | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  |                       |  |                        |                  | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   20.47   27.011   2   |   |                       |  |                        |                  | =                |                    |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   35.076  | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  |                       |  |                        | (204)            | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   35.076  |   |                       |  |                        |                  | _                |                    |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   6.123  |   |                       |  |                        |                  |                  | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM   27.011   10.430  | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                |  |                        | 6,123            | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   5.143       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   14.144       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   33.88       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   38.609       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   9.678       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   119.988       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   57.705       NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   47.00   | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  |                       |  |                        |                  | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   14,144  |   |                       |  |                        |                  | _                | =                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   27.011   33,600  | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                |  |                        | 14,144           | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   9,978  |   |                       |  |                        |                  | _                | _                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM         27.011         119.688         —           NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM         27.011         57.705         —           NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM         27.011         4.700         —           NTERGOVERNMENTAL PERSONNEL ACT (FPA) MOBILITY PROGRAM         27.011         6.073         —         —         1.013.104   | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM     |                       |  |                        |                  | _                | =                  |                                     |
| NTERGOVERNMENTAL PERSONNEL ACT (PA) MOBILITY PROGRAM   27.011   57.705   | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                |  |                        | 118,968          |                  |                    |                                     |
| INTERGOVERNIMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM 27,011   | INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  |                       |  |                        | 57,705           | _                | _                  |                                     |
|  |   |                       |  |                        |                  | _                | =                  | 1.013.104                           |
| 1,013,104 — — 1,013,104  |   |                       |  |                        |                  |                  |                    |                                     |
|  | oronna managaman  |                       |  |                        | 1,010,104        |                  |                    | 1,010,104                           |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor                                  | Assistance<br>listing<br>number | Pass-through entity name                                       | Pass-through number              | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|--|----------------------------------|------------------------|----------------------------------|--|--|
| RESEARCH AND DEVELOPMENT CLUSTER:  |                                 |  |                                  |                        |                                  |  |  |
| National Aeronautics and Space Administration: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | 43.000                          | CFD RESEARCH CORPORATION                                       | 000000582                        | s –                    | 30 000                           |  |  |
| NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | 43.000                          | JET PROPULSION LABORATORY                                      | 1630420                          | • –                    | 55,487                           | _                                      |  |
| NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  | 43.000                          | RAYTHEON TECHNOLOGIES  | 2607654                          | _                      | 49,750                           | _                                      |  |
| NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  | 43.000                          |  |                                  | 122,805                | _                                | _                                      | 258,042  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | SPACE SCIENCE INSTITUTE<br>IOWA STATE UNIVERSITY               | 01003<br>022599A                 | _                      | (76)<br>17,801                   | =                                      |  |
| SCIENCE  | 43.001                          | UNIVERSITIES SPACE RESEARCH ASSOCIATION                        | 0232201                          | _                      | 13,875                           | _                                      |  |
| SCIENCE  | 43.001                          | REGENTS OF THE UNIVERSITY OF CALIFORNIA                        | 0995SYA463                       | _                      | 104,526                          | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | UNIVERSITY OF TEXAS AT SAN ANTONIO<br>ARIZONA BOARD OF REGENTS | 1000003507<br>10037951           | =                      | 121,673<br>28,160                | =                                      |  |
| SCIENCE  | 43.001                          | NORTHERN ARIZONA UNIVERSITY                                    | 100436401                        | _                      | 1,589                            | _                                      |  |
| SCIENCE  | 43.001                          | ARIZONA STATE UNIVERSITY                                       | 1228404 12893                    | _                      | 77,365                           | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | JET PROPULSION LABORATORY<br>JET PROPULSION LABORATORY         | 1457128<br>1546528               | =                      | 124,292<br>9,997                 | =                                      |  |
| SCIENCE  | 43.001                          | JET PROPULSION LABORATORY                                      | 1653773                          | =                      | 29,505                           | _                                      |  |
| SCIENCE  | 43.001                          | JET PROPULSION LABORATORY                                      | 1657548                          | _                      | 9,958                            | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | CALIFORNIA INSTITUTE OF TECHNOLOGY PLANETARY SCIENCE INSTITUTE | 1665220<br>1797 SUNYSB           | _                      | 3,540                            | _                                      |  |
| SCIENCE  | 43.001                          | PLANETART SCIENCE INSTITUTE                                    | 1797 SUNTSB                      | 18.765                 | 19,069                           | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 22,657                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 45,626<br>163,013      | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 69.364                 | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 24,812                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 51,394<br>124.871      | _                                | 31,636                                 |  |
| SCIENCE  | 43.001                          |  |                                  | 58,000                 | _                                | 31,030                                 |  |
| SCIENCE  | 43.001                          |  |                                  | 81,099                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 475,871<br>164 153     | _                                | 410,234                                |  |
| SCIENCE  | 43.001                          |  |                                  | 83,742                 | _                                | 74,282                                 |  |
| SCIENCE  | 43.001                          |  |                                  | 125,097                | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 156,786                | _                                | 51,678                                 |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 192,477<br>659,325     | =                                | 106,668                                |  |
| SCIENCE  | 43.001                          |  |                                  | 12,096                 | _                                |  |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | MAGNOLIA OPTICAL TECHNOLOGIES INCORPORATED                     | 80NSSC20C0151                    | 162,333                | 89,148                           | 3,204                                  |  |
| SCIENCE  | 43.001                          |  |                                  | 3,892                  | _                                | 3,204                                  |  |
| SCIENCE  | 43.001                          |  |                                  | 60,891                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 90,721<br>87,292       | =                                | =                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 52,858                 | _                                | -                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 34,740                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | INNOVATIVE DYNAMICS INCORPORATED                               | 80NSSC21C0531                    | 55,794                 | 60,625                           | =                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 98,070                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 121,818<br>18,405      | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 349,592                | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 2,343                  | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 34,042<br>26,390       | _                                | =                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 129,618                | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 28,529                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 205,734<br>76,001      |                                  | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 93,228                 | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 212,461                | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 34,213<br>34,034       | _                                | =                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 35,221                 | _                                | _                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 35,117                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                |  |                                  | 3,674<br>92,495        | _                                | _                                      |  |
| SCIENCE  | 43.001                          | INNOVATIVE DYNAMICS INCORPORATED                               | 80NSSC220C0489                   | · –                    | 12                               | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | WOODS HOLE OCEANOGRAPHIC INST                                  | A101499 23128900                 | 1,895                  | 100,882                          | =                                      |  |
| SCIENCE  | 43.001                          | SMITHSONIAN ASTROPHYSICAL OBSERVATORY                          | GO718071B                        | =                      | 22.981                           | _                                      |  |
| SCIENCE  | 43.001                          | SMITHSONIAN ASTROPHYSICAL OBSERVATORY                          | GO819116X                        | _                      | 7,883                            | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | SMITHSONIAN ASTROPHYSICAL OBSERVATORY YAI F LINIVERSITY        | GO920111A<br>GR108275CON80002120 | _                      | 43,365<br>40,014                 | _                                      |  |
| SCIENCE  | 43.001                          | SPACE TELESCOPE SCIENCE INSTITUTE                              | HSTG015210005A                   | _                      | 4,982                            | _                                      |  |
| SCIENCE  | 43.001                          | BANPIL PHOTONICS   | N/A                              |                        | 7,252                            | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001                          |  |                                  | 3,797<br>12.867        | _                                | _                                      |  |
| SCIENCE  | 43.001<br>43.001                |  |                                  | 12,867                 | =                                | =                                      |  |
| SCIENCE  | 43.001                          |  |                                  | 10,523                 | _                                | _                                      |  |
| SCIENCE<br>SCIENCE   | 43.001<br>43.001                | SETI INSTITUTE<br>SMITHSONIAN ASTROPHYSICAL OBSERVATORY        | SC 3415<br>SV009004              | =                      | 12,814<br>8,657                  | =                                      | 5,722,592  |
| AERONAUTICS  | 43.001<br>43.002                | BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS                | SV009004<br>09726518302          | =                      | 8,657<br>118,409                 | =                                      | 5,722,592<br>118,409                                   |
| EXPLORATION  | 43.003                          |  |                                  | 198,724                | _                                | _                                      | -, -=  |
| EXPLORATION EXPLORATION  | 43.003<br>43.003                |  |                                  | 90,874<br>16,869       | =                                | _                                      | 306,467  |
| LAFLONATION  | 43.003                          |  |                                  | 10,009                 | _                                | _                                      | 300,407  |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor                               | Assistance<br>listing<br>number | Pass-through entity name   | Pass-through number      | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|---|---------------------------------|--|--------------------------|------------------------|----------------------------------|--|--|
| RESEARCH AND DEVELOPMENT CLUSTER:   |                                 |  |                          |                        |                                  |  |  |
| SPACE OPERATIONS  | 43.007                          |  |                          | \$ 81,393              | _                                | -                                      |  |
| SPACE OPERATIONS OFFICE OF STEM ENGAGEMENT (OSTEM)  | 43.007<br>43.008                | CORNELL UNIVERSITY   | 90830 20373              | 78,811                 | 10,000                           | _                                      | 160,204  |
| OFFICE OF STEM ENGAGEMENT (OSTEM)   | 43.008                          | CORNELL UNIVERSITY   | 9083020374               | _                      | 15,000                           | _                                      |  |
| OFFICE OF STEM ENGAGEMENT (OSTEM)   | 43.008                          | CORNELL UNIVERSITY   | 9083020377               | _                      | 60,499                           | _                                      |  |
| OFFICE OF STEM ENGAGEMENT (OSTEM) OFFICE OF STEM ENGAGEMENT (OSTEM)                       | 43.008<br>43.008                | MONTANA STATE UNIVERSITY NASA NY SPACE GRANT CONSORTIUM  | G36721W8962<br>NA        | _                      | 50,942<br>1 185                  | _                                      |  |
| OFFICE OF STEM ENGAGEMENT (OSTEM)   | 43.008                          | XAVIER UNIVERSITY OF LOUISIANA   | ORSP2121681201C          | _                      | 5,140                            | _                                      | 142,766  |
| SPACE TECHNOLOGY<br>SPACE TECHNOLOGY  | 43.012<br>43.012                | JET PROPULSION LABORATORY  | 1529702                  | 45.814                 | 137,972                          | _                                      |  |
| SPACE TECHNOLOGY  SPACE TECHNOLOGY  | 43.012                          |  |                          | 45,814<br>114.379      | _                                |  |  |
| SPACE TECHNOLOGY  | 43.012                          |  |                          | 86,887                 | _                                | _                                      |  |
| SPACE TECHNOLOGY  | 43.012                          |  |                          | 40,986                 | 1,494,273                        | 677,702                                | 426,038<br>7,134,518                                   |
| Total National Aeronautics and Space Administration  National Endowment for the Arts:     |                                 |  |                          | 5,640,245              | 1,494,273                        | 677,702                                | 7,134,518  |
| PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS                             | 45.024                          |  |                          | 4,182                  | _                                | _                                      | 4,182  |
| PROMOTION OF THE HUMANITIES FELLOWSHIPS AND STIPENDS PROMOTION OF THE HUMANITIES RESEARCH | 45.160                          | AMERICAN ANTIQUARIAN COCIETY   |                          | 6,000                  | _                                | _                                      | 6,000  |
| PROMOTION OF THE HUMANITIES RESEARCH PROMOTION OF THE HUMANITIES RESEARCH                 | 45.161<br>45.161                | AMERICAN ANTIQUARIAN SOCIETY<br>ARCHAEOLOGICAL INSTITUTE OF AMERICA  | NA<br>NA                 | _                      | 14,400<br>3,360                  | _                                      | 17,760   |
| PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT    | 45.162                          | A COLUMN TO LE STANLE COLU |                          | 20,816                 | _                                | _                                      | 20,816   |
| PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS   | 45.164                          |  |                          | 21,662                 | _                                | _                                      |  |
| PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS   | 45.164<br>45.164                |  |                          | 14,190<br>51,272       | _                                | _                                      | 87.124   |
| NATIONAL LEADERSHIP GRANTS  | 45.312                          |  |                          | 64,170                 | _                                | 27,198                                 | 07,124   |
| NATIONAL LEADERSHIP GRANTS  | 45.312                          |  |                          | 57,450                 | _                                | _                                      |  |
| NATIONAL LEADERSHIP GRANTS<br>LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM                   | 45.312<br>45.313                |  |                          | 60,624<br>85,292       | _                                | 44,002                                 | 182,244  |
| LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM  LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM      | 45.313                          |  |                          | 66.931                 | _                                | 2,687                                  |  |
| LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM   | 45.313                          |  |                          | 30,581                 |                                  | 13,750                                 | 182,804  |
| Total National Endowment for the Arts   |                                 |  |                          | 483,170                | 17,760                           | 87,637                                 | 500,930  |
| National Science Foundation:  |                                 |  |                          |                        |                                  |  |  |
| NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION                                   | 47.000<br>47.000                | MANHATTAN BIOSOLUTIONS INCORPORATED  | 2029504                  | 119,210                | 19,085                           | _                                      |  |
| NATIONAL SCIENCE FOUNDATION   | 47.000                          | WANTATTAN BIOSOESTIONS INCOMPONATED  | 2020304                  | 58,034                 | 19,003                           | 57,254                                 |  |
| NATIONAL SCIENCE FOUNDATION   | 47.000                          |  |                          | 29,362                 | _                                |  |  |
| NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION                                   | 47.000<br>47.000                | CARIBOU BIOFUELS INCORPORATED  | CB001                    | 2,523                  |                                  | _                                      |  |
| NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION                                   | 47.000                          | CARIBOU BIOFUELS INCORPORATED  | CB001                    | 349,559                | 75,969                           |  |  |
| NATIONAL SCIENCE FOUNDATION   | 47.000                          |  |                          | 254,542                | _                                | _                                      |  |
| NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION                                   | 47.000<br>47.000                | US IGNITE  | NA                       | 842                    | 2,208                            | _                                      |  |
| NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION                                   | 47.000                          | USIGNITE   | NA NA                    | 296,992                | 2,208                            | _                                      |  |
| NATIONAL SCIENCE FOUNDATION   | 47.000                          |  |                          | 145,746                | _                                | _                                      | 1,354,072  |
| ENGINEERING   | 47.041                          | MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY  | 0006883101               | _                      | 55,666                           | _                                      |  |
| Engineering<br>Engineering  | 47.041<br>47.041                | MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY  | 0006883102<br>0007041701 | _                      | 13,141<br>124,680                | =                                      |  |
| ENGINEERING   | 47.041                          | UNIVERSITY OF TEXAS AT ARLINGTON   | 126100645061             | _                      | 41,372                           | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 12,416                 | _                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                |  |                          | (2,669)<br>116 117     | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 112,818                | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 19,177                 | _                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                |  |                          | 184,319<br>112,664     | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 82,498                 | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 84,611                 | -                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                |  |                          | 73,684<br>23,644       | _                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 193,120                | =                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 228,643                | -                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                |  |                          | 250,433<br>77,970      | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 517                    | _                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 135,770                | _                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                | JOHNS HOPKINS UNIVERSITY   | 2003968690               | 21,482                 | 19,744                           | _                                      |  |
| ENGINEERING   | 47.041                          | SOUND HOP KING UNIVERSITY  | 2003800080               | 145.499                | 15,744                           | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 33,414                 | _                                | _                                      |  |
| Engineering<br>Engineering  | 47.041<br>47.041                |  |                          | 10,105<br>26,896       | _                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 26,896<br>155,197      | =                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 85,419                 | _                                | _                                      |  |
| ENGINEERING   | 47.041                          | TEGA TUEDADEUTION  | 0000400                  | 1,093                  | -                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                | TEGA THERAPEUTICS  | 2026188                  | 168 398                | 123,144                          | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 54,610                 | =                                | =                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 51,435                 | _                                | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                |  |                          | 8,019<br>28,719        | _                                | _                                      |  |
| ENGINEERING   | 47.041                          |  |                          | 8,462                  | _                                | _                                      |  |
| ENGINEERING   | 47.041                          | EONIX LLC  | 2052168                  | · · · =                | 3,611                            | _                                      |  |
| ENGINEERING<br>ENGINEERING  | 47.041<br>47.041                | SUPERCLEAN GLASS INCORPORATED  | 2052210                  | 17,613                 | 5,030                            | _                                      |  |
| LITORILLAMO   | 47.041                          |  |                          | 17,013                 | _                                | _                                      |  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Managemin   Mana   |                                   | Assistance       |  |                     |              | Pass-        | Passed-          | Total<br>expenditures |
|--|-----------------------------------|------------------|--|---------------------|--------------|--------------|------------------|-----------------------|
| STATE  |                                   | listing          |  |                     |              | through      | through          | by ALN and            |
| Company  |                                   | number           | Pass-through entity name                       | Pass-through number | expenditures | expenditures | to subrecipients | federal grantor       |
| Company  | RESEARCH AND DEVELOPMENT CLUSTER: | 47.044           |  |                     | 6 40.444     |              |                  |                       |
| Company  | ENGINEERING                       | 47.041           |  |                     | 7 40,414     | _            | _                |                       |
| Content  | ENGINEERING                       | 47.041           |  |                     | 78,262       | _            | _                |                       |
| Content  | ENGINEERING                       | 47.041           |  |                     | 76,221       | _            | 61,971           |                       |
| Content  | ENGINEERING                       | 47.041           | MECHANISMIC INCORPORATED                       | 2126882             | _            | 7,355        | _                |                       |
| December   1998   199   | ENGINEERING                       | 47.041           |  |                     | 90,940       |              |                  |                       |
| Description  | ENGINEERING                       |                  |  |                     | 14,542       |              |                  |                       |
| Description  |                                   |                  |  |                     |              |              |                  |                       |
| BOASEPRO   |                                   |                  |  |                     |              |              |                  |                       |
| Double   D   | ENGINEERING<br>ENGINEERING        | 47.041           |  |                     | 38,977       |              |                  |                       |
| December   Company   Com   |                                   |                  |  |                     |              |              |                  |                       |
| Description  |                                   |                  |  |                     |              |              |                  |                       |
| Product State   1  |                                   | 47.041           | BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA | 2505210210002       |              | 35           | _                |                       |
| Description  | ENGINEERING                       | 47.041           | SYRACUSE UNIVERSITY                            | 2825004301S28       | _            | 453          |                  |                       |
| Company   Comp   |                                   |                  |  |                     |              |              |                  |                       |
| PRIMER   | ENGINEERING                       | 47.041           | SYRACUSE UNIVERSITY                            | 31138-05422-S01     | _            | 8,871        | _                |                       |
| Coloration   | ENGINEERING                       | 47.041           | AMERICAN UNIVERSITY                            | 31663A220027S04     | _            | 3,255        |                  |                       |
| DOCUMENTO   COLUMN    | ENGINEERING                       | 47.041           | OHIO STATE UNIVERSITY                          | 60076746            |              |              |                  |                       |
| Content  |                                   |                  |  |                     |              |              |                  |                       |
| Company  |                                   |                  |  |                     |              |              |                  |                       |
| Content  |                                   |                  |  |                     |              |              |                  |                       |
| Concession   | ENGINEERING                       |                  |  |                     |              |              |                  |                       |
| Content  |                                   |                  |  |                     |              |              |                  |                       |
| Concession   | ENGINEERING                       | 47.041           |  |                     | 14,995       | _            | _                |                       |
| 1-20      | ENGINEERING                       | 47.041           |  |                     | 55,119       | _            |                  |                       |
| Processor   Proc   | ENGINEERING                       | 47.041           |  |                     | 1,646        |              | _                |                       |
| Productions  |                                   |                  |  |                     |              |              |                  |                       |
| Discriment   |                                   |                  |  |                     | 190,109      |              |                  |                       |
| Discription  | ENGINEERING                       | 47.041           |  |                     | 6,094        |              |                  |                       |
| BOMERRON   |                                   |                  |  |                     |              |              |                  |                       |
| SAMERIPANO   1.0   |                                   |                  |  |                     |              |              |                  |                       |
| BOMERINAD   47.04  |                                   |                  |  |                     | 135,026      |              |                  |                       |
| SAMESTERNO   | ENGINEERING<br>ENGINEERING        | 47.041           |  |                     | 61 507       |              | _                |                       |
| BASEERRIG 47.541  CASEERRIG 47 |                                   |                  |  |                     |              |              | 45 956           |                       |
| SAMERING   40   45   45   45   45   45   45   45   |                                   |                  |  |                     |              |              |                  |                       |
| NAMERING   40   10,700   | ENGINEERING                       | 47.041           |  |                     | 145,635      | _            |                  |                       |
| MARKERNO   | ENGINEERING                       | 47.041           |  |                     | 18,730       | _            | _                |                       |
| NOMERBY   1041   |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 4764  |                                   |                  |  |                     |              |              |                  |                       |
| NONEEPING   47041   10.385   | ENGINEERING                       | 47.041           |  |                     |              |              |                  |                       |
| NONTERNO   | ENGINEERING                       |                  |  |                     |              |              |                  |                       |
| NONEEPNO   |                                   |                  |  |                     |              |              |                  |                       |
| NONEERING   47.04  |                                   |                  |  |                     |              |              |                  |                       |
| NONCERNO   47.04   19.03   | ENGINEERING<br>ENGINEERING        | 47.041           |  |                     | 16.631       |              |                  |                       |
| NONEERING   47.041   16.013    | ENGNEERING                        | 47 041           |  |                     | 19 993       |              | _                |                       |
| ENGNEERING 47041 ENGNEERING 7,500 — — ENGNEERING 7,501 — — ENGNEERING 14,549 — — ENGNEERING 14,549 — — ENGNEERING 14,549 — — ENGNEERING 14,549 — — ENGNEERING 14,7041 — ENGNEERIN |                                   |                  |  |                     |              |              | 16 613           |                       |
| ENGNEERING 47-041  | ENGINEERING                       |                  |  |                     |              | _            |                  |                       |
| ENGNEERING 47041 ENGNEE | ENGINEERING                       | 47.041           |  |                     | 7,500        | _            |                  |                       |
| ENGNEERNG 47.01 RESEARCH FOUNDATION OF CUNY CM00007259   |                                   |                  |  |                     |              |              |                  |                       |
| MINISTERNO   47 041   RESARCH FOUNDATION OF CUNY   CM00007250  |                                   |                  |  |                     |              |              |                  |                       |
| BANINEERING   47.041   168.7704  | ENGINEERING                       | 47.041           |  |                     | 14,492       |              |                  |                       |
| BONEERING   47.041   32.208  | ENGINEERING                       | 47.041           | RESEARCH FOUNDATION OF CUNY                    | CM00007250          | _            |              |                  |                       |
| ENOILEERING   47.041   19.076  |                                   |                  |  |                     |              |              |                  |                       |
| ENOILEERING 47 041 (33) — — ENOILEERING 47 041 (53,364 — — ENOILEERING 37,865 — — ENOILEERING 47 041 (37,865 — — ENOILEERING 47 041 (37,865 — — ENOILEERING 27,041 (37,865 — — ENOILEERING 27,041 (37,865 — — ENOILEERING 27,041 (37,865 — — ENOILEERING 37,865 — — ENOILEERING 37,865 — — ENOILEERING 57,760 — — ENOILEERING 57,776 — — ENOILEERING 57,778 — — ENOILEERING 57,779 — — ENOILEERING 57, |                                   |                  |  |                     |              |              |                  |                       |
| ENOISEERING 47 041 53.864 — ENDISERING 47 041 37,885 — — ENDISERING 47 041 113,641 — — ENDISERING 47 041 113,643 — — ENDISERING 47 041 113,644 — — ENDISERING 47 041 113,645 — — ENDISERIN | ENGINEERING                       | 47.041<br>47.044 |  |                     |              | _            |                  |                       |
| ENONEERING 47 041 37,855 — ENONEERING 47 041 113,441 — — ENONEERING 47 041 113,441 — — ENONEERING 47 041 211,588 — — ENONEERING 47 041 211,588 — — ENONEERING 57,041 57,04 | ENGINEERING                       | 47.041           |  |                     | 53.364       | =            |                  |                       |
| ENONEERING 47 041 13,641 — — — — — — — — — — — — — — — — — — —   |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 47 041 21.888 — SENDEERING 47 041 81.759 — 752 ENONEERING 47 041 93.072 — ENONEERING 93.072 — SENDEERING 94.041 95.0784 | ENGINEERING                       | 47.041           |  |                     | 113,641      | _            | _                |                       |
| ENONEERING 47 041 81,759 — 752 ENONEERING 47 041 93,072 — — ENONEERING 47 041 50,778 — — ENONEERING 47 041 50,778 — — ENONEERING 47 041 149,639 — 10,9784 ENONEERING 47 041 149,639 — 10,9784 ENONEERING 47 041 150,388 — 139,172 ENONEERING 47 041 151,132 — — ENONEERING 47 041 151,132 — — ENONEERING 47 041 151,132 — — ENONEERING 47 041 150,959 — — ENONEERING 47 041 150,278 — — ENONEERING 59,466 — —  | ENGINEERING                       | 47.041           |  |                     | 211,588      | _            | _                |                       |
| ENONEERING 47 041 50.778 — — ENONEERING 47 041 149.839 — — ENONEERING 47 041 149.839 — — ENONEERING 47 041 149.839 — 139.172 ENONEERING 47 041 151.122 — — ENONEERING 47 041 151.122 — — ENONEERING 47 041 151.122 — — ENONEERING 47 041 151.123 — — ENONEERING 57 041 151.123 — — E | ENGINEERING                       | 47.041           |  |                     | 81,759       | _            | 752              |                       |
| ENONEERING 47 041 79.784 — — — — — — — — — — — — — — — — — — —   |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 47 041 149,639 — ——————————————————————————————————   |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 47 041 210.338 — 139,172 ENONEERING 47 041 6.300 — — ENONEERING 131.132 — — ENONEERING 131.132 — — ENONEERING 105.099 — — ENONEERING 105.099 — — ENONEERING 105.099 — — ENONEERING 47 041 (2.619) — — ENONEERING 47 041 190.276 — — ENONEERING 47 041 190.276 — — ENONEERING 47 041 190.276 — — ENONEERING 5.47 041 5.647 — — ENONEERING 6.47 041 5.647 — — ENONEER |                                   | 47.041           |  |                     |              |              | _                |                       |
| ENONEERING 47 041 6.00   |                                   |                  |  |                     |              |              | 420 470          |                       |
| ENONEERING 47 041 131.132 — — ENONEERING 47 041 109.999 — — ENONEERING (2.619) — — ENONEERING (2.619) — — ENONEERING (2.619) — — ENONEERING (3.619) — — ENONEERI |                                   |                  |  |                     |              |              | 139,172          |                       |
| ENONEERING 47.041 109.599 — — ENONEERING (2.619) — — ENONEERING (2.619) — — ENONEERING (3.619) — — ENONEERING (4.7041 109.276 — — ENONEERING (4.7041 159.466 — — ENONEERING (4.7041 159.666 — — ENONEERING (4.7041 159.66 |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 47 041 (2.619) — — ENONEERING 47 041 190.276 — — ENONEERING 47 041 45,227 — — ENONEERING 47 041 45,227 — — ENONEERING 54,027 — — ENONEERING 54,027 — — ENONEERING 54,041 55,466 — — ENONEERING 57,041 57,041 57,045 — — ENONEERING 57,041 57,041 57,045 — — ENONEERING 57,041 5 | ENGINEERING                       | 47.041           |  |                     | 109.599      |              |                  |                       |
| ENONEERING 47.041 190.276 — — ENONEERING 47.041 45.527 — — ENONEERING 54.07.041 59.466 — — ENONEERING 54.07.041 59.466 — — ENONEERING 37.172 — — ENONEERING 37.172 — — ENONEERING 47.041 37.172 — — ENONEERING 47.041 22.545 — — ENONEERING 10.493 — — ENONEERING 112.409 — — ENONEERING 47.041 112.409 — — ENONEERING 47.041 112.409 — — ENONEERING 47.041 113.408 — — ENONEERING 47.041 113.688 — —  | ENGINEERING                       | 47.041           |  |                     |              |              |                  |                       |
| ENONEERING 47.041 45.527 — — — — — — — — — — — — — — — — — — —   | ENGINEERING                       | 47.041           |  |                     | 190,276      |              |                  |                       |
| ENONEERING 47 041 54,697 — — ENONEERING 47 041 59,466 — — ENONEERING 37,172 — — ENONEERING 27,041 37,172 — — ENONEERING 27,041 22,545 — — ENONEERING 10,493 — — ENONEERING 112,409 — — ENONEERING 113,409 — — ENONEERING 113,409 — — ENONEERING 113,409 — — ENONEERING 113,409 — —   | ENGINEERING                       | 47.041           |  |                     | 45,527       | _            | _                |                       |
| ENDREERING 47.041 37.172 — — ENDREERING 47.041 22.545 — — ENDREERING 10.493 — — ENDREERING 112.409 — — ENDREERING 112.409 — — ENDREERING 64.198 — 46.475 ENDREERING 64.198 — 46.475 ENDREERING 13.868 — —  | ENGINEERING                       | 47.041           |  |                     | 54,697       | _            | _                |                       |
| ENGNEERING         47.041         22,545         —         —           ENGNEERING         47.041         10,493         —         —           ENGNEERING         47.041         112,409         —         —           ENGNEERING         47.041         64,198         —         46,475           ENGNEERING         47.041         13,968         —         —   |                                   |                  |  |                     |              |              |                  |                       |
| ENONEERING 47.041 10.493 — — ENONEERING 47.041 1124.09 — 6.7 ENONEERING 64.198 — 46.75 ENONEERING 64.198 — 46.75 ENONEERING 13.868 — —   |                                   |                  |  |                     |              |              |                  |                       |
| ENGNEERING     47.041     112,409     —     —       ENGNEERING     47.041     64,198     —     46,475       ENGNEERING     47.041     13,968     —     —   | ENGINEERING                       | 47.041           |  |                     |              |              |                  |                       |
| ENONEERING 64.198 — 46.475 ENONEERING 64.198 — 46.475 13.068 — —   | ENGINEERING                       |                  |  |                     | 10,493       |              |                  |                       |
| ENGINEERING 47.041 13.968 — —  |                                   |                  |  |                     |              |              |                  |                       |
| ENGNEERING 13,897 — — — — — — — — — — — — — — — — — — —  |                                   |                  |  |                     |              |              | 40,473           |                       |
| · · · · · · · · · · · · · · · · · · ·  | ENGINEERING                       | 47.041           |  |                     | 3,697        | _            | _                |                       |
|  |                                   |                  |  |                     | -,           |              |                  |                       |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance                                     |   |  |   | Pass-                   | Passed-                     | Total<br>expenditures         |
|--|--|---|--|---|-------------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | listing<br>number                              | Pass-through entity name  | Pass-through number                      | Direct<br>expenditures                          | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  | - Indinaci                                     | r aco-unough chary name   | T abb an oagn named                      | схропакаго                                      | Схреникись              | to subrecipients            | icuciai giantoi               |
| ENGINEERING  | 47.041   |   |  | \$ 12,684                                       | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 3,522<br>117,478                                | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 117,478<br>429                                  | =                       | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 124   | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 4,898   | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 31,905  | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 238,209<br>63.689                               | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 61,136  |                         | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 70,228  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 180,711   | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 117,676<br>19,330                               | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 92,632  | _                       |                             |                               |
| ENGINEERING  | 47.041   |   |  | 99,840  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 166,097   | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 71,713<br>142.858                               | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 142,858<br>50.696                               | =                       | 42.555                      |                               |
| ENGINEERING  | 47.041   |   |  | 163.931   | _                       | 42,333                      |                               |
| ENGINEERING  | 47.041   |   |  | 326,871   | _                       | 120,939                     |                               |
| ENGINEERING  | 47.041   |   |  | 72,052  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 50,872  | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 61,176<br>37,271                                | =                       | Ξ                           |                               |
| ENGINEERING  | 47.041   |   |  | 48,543  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 39,420  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 56,976  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 70,936  | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 39,755<br>24,944                                | =                       | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 6 800   | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 81,410  | =                       | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 1,768   | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 87,300  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 232,652   | =                       | =                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 35,634<br>180,005                               | _                       |                             |                               |
| ENGINEERING  | 47.041   |   |  | 22,615  |                         | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 474   | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 29,429  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 64,576  | _                       | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 31,433<br>18,072                                | =                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 397.419   |                         | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 15,745  | _                       | _                           |                               |
| ENGINEERING  | 47.041   | RECTORS & VISITORS OF THE UNIVERSITY OF VIRGINIA                  | GA11441PO2202237                         | _   | 85,051                  | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               | UNIVERSITY OF NORTH TEXAS   | GF30099                                  | _   | 36,661                  | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               | UNIVERSITY OF NORTH TEXAS   | GF301093                                 | 14.176  | 1,468                   |                             |                               |
| ENGINEERING  | 47.041   |   |  | 51.567  |                         |                             |                               |
| ENGINEERING  | 47.041   |   |  | 59,526  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 10,331  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 2,455   | _                       | -                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               |   |  | 42,359<br>81,611                                | _                       | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 66.602  |                         | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 24,908  | _                       | _                           |                               |
| ENGINEERING  | 47.041   |   |  | 7,744   | _                       | -                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               | NOMIS POWER GROUP   | IIP2126732                               | 233   | 14.040                  | _                           |                               |
| ENGINEERING  | 47.041   | Nome : SWEN GROOF   | IIFZ 120732                              | 31.123  | 14,010                  | =                           |                               |
| ENGINEERING  | 47.041   |   |  | 18,053  | _                       | _                           |                               |
| ENGINEERING  | 47.041   | SUPREMETRIC   | N/A                                      | _   | 52,863                  | _                           |                               |
| ENGINEERING  | 47.041   | FERRIC CONTRAST   | NA<br>NA                                 | =   | 189,892                 | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               | LUX SEMICONDUCTORS INCORPORATED  QAS AI                           | NA<br>NA                                 | =   | 83,563<br>62,669        | =                           |                               |
| ENGINEERING  | 47.041   | SANTA FE QUANTUM SOLUTIONS  | NA NA                                    | _   | 25,461                  | _                           |                               |
| ENGINEERING  | 47.041   | NEUROVASCULAR DIAGNOSTICS INCORPORATED                            | NA                                       | _   | 19,986                  | _                           |                               |
| ENGINEERING  | 47.041   | UNIVERSITY OF NORTH TEXAS   | NT752 0000234438 GF300811                | _   | 15,526                  | _                           |                               |
| ENGINEERING<br>ENGINEERING   | 47.041<br>47.041                               | VILLANOVA UNIVERSITY UNIVERSITY OF NEVADA RENO                    | P1801544 21657/ 45045/ 525877<br>UNR2111 | _   | 12,968<br>62,404        | -                           | 12,254,674                    |
| SCIENTIFIC RESEARCH PROJECT SUPPORT  | 47.041<br>47.047                               | OWNERSHIT OF NEVADARENO   | UNRZIII                                  | 65,527  | 02,404                  | =                           | 12,254,674                    |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049   | UNIVERSITY OF WISCONSIN AT MADISON                                | 0000000298                               | _   | 61,409                  | _                           | 20,021                        |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049   | BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM            | 0000001770                               | _   | 16,803                  | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049<br>47.049                               | MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY UNIVERSITY OF LITAH | 00069942-02<br>10058392                  | _   | 7,720                   | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES                                    | 47.049<br>47.049                               | UNIVERSITY OF UTAH REGENTS OF THE UNIVERSITY OF CALIFORNIA        | 10058392<br>1010GXA159                   | =   | 40,590<br>(27,348)      | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES                                    | 47.049<br>47.049                               | INCIDENTIAL OF THE UNIVERSITY OF CALIFORNIA                       | IUIUGAAISS                               | 68.740  | (21,348)                | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049   |   |  | 7,432   | _                       | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049   |   |  | 102,537   | _                       | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049   |   |  | 657   | _                       | _                           |                               |
|  | 47.049   |   |  | 66,903  | _                       | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   |  |   |  |   |                         |                             |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049<br>47.049                               |   |  | 52,691<br>118,027                               | _                       |                             |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES | 47.049   |   |  | 118,027   | Ξ                       | Ξ                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES   | 47.049<br>47.049<br>47.049<br>47.049<br>47.049 |   |  | 52,691<br>118,027<br>52,593<br>52,028<br>53,158 | = =                     |                             |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance        |   |                     |                        | Pass-                | Passed-                     | Total<br>expenditures         |
|--|-------------------|---|---------------------|------------------------|----------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor            | listing<br>number | Pass-through entity name                                | Pass-through number | Direct<br>expenditures | through expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:                                      | namber            | 1 abo-unough onary name                                 | T abb-unough number | experiences            | Схреникись           | to subrecipients            | icuciui giuntoi               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | \$ 102,128             | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 30,287                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 33,448<br>24,227       | =                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049            |   |                     | 48,961                 | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 49,857                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 45,029                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049<br>47.049  | LINE FROM OF NOTRE DAME                                 | 00400001111144      | 61,862                 |                      | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049            | UNIVERSITY OF NOTRE DAME                                | 204303SUNYA         | 169,073                | 32,754               |                             |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 8,356                  | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 335                    | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 19,243<br>106.102      | =                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049            |   |                     | 20.845                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 74,722                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 105,443                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 4,900<br>210,132       | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES  MATHEMATICAL AND PHYSICAL SCIENCES | 47.049            |   |                     | 92.704                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 16,012                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 29GG016228          | _                      | 103,360              | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV           | 48071719245         | _                      | 33,655               | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 4GG01578306         | 1,714                  | 59,446               | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 100,889                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 174,733                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 84,101                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 24,659<br>58,427       | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 22.943                 |                      | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 124,415                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 17,828                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 23,218<br>65,404       | =                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049            |   |                     | 103                    | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | (19,744)               | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 32,339                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 10,387<br>73.282       | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 122.140                |                      | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 31,003                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 100,582                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 105,931<br>72,781      | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES  MATHEMATICAL AND PHYSICAL SCIENCES | 47.049            |   |                     | 221.618                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 168,938                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 127,762                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 81,596<br>118.029      | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 174,601                |                      | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 103,876                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 64,202                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 170,780<br>12,724      | =                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 101,401                |                      | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 71,631                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049<br>47.049  |   |                     | 54,797                 | _                    | 3,129                       |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 156,926<br>137,469     | =                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 93,027                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 153,974                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049<br>47.049  |   |                     | 70,737<br>124,078      | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 124,078<br>140,898     | =                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 3,966                  | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 77,800                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 60,819                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 21,160<br>35.908       | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 128,851                | _                    | 51,573                      |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 292                    | _                    |                             |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 51,461                 | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 133,038<br>376         | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049            |   |                     | 148,598                |                      | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 50,684                 | _                    | -                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 168,181                | _                    | -                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | 34,477<br>(3.099)      | _                    | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | (3,099)                |                      | =                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 117,137                | _                    | _                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049            |   |                     | 40,785                 | _                    | -                           |                               |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049  |   |                     | (714)<br>158 882       | _                    | -                           |                               |
| WINTH LINE NOAL AND PRIORAL SURINGES                                   | 47.049            |   |                     | 100,082                | _                    | _                           |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                       |   |                                       |                    |                  |                    | Total                      |
|--|-----------------------|---|---------------------------------------|--------------------|------------------|--------------------|----------------------------|
|  | Assistance<br>listing |   |                                       | Direct             | Pass-<br>through | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor            | number                | Pass-through entity name                      | Pass-through number                   | expenditures       | expenditures     | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:                                      |                       |   |                                       |                    |                  |                    |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | \$ 51,992          | -                | -                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 20,272<br>110,003  | -                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | 135,482            | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 80,342             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 123,884            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 208,101<br>128.561 | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 33.327             | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 89,549             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 34,415             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 57,687<br>9.150    | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 4.265              |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 45,939             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 468                | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 259,671<br>73,807  | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | (50)               | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 52,603             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 106,051            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 21,886             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 2,384<br>30,781    | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 30,761             |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 50,724             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 17,252             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 20,408<br>111,939  | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 67.297             |                  | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 88,701             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 58,112             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 3,943              | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 56,950<br>52,913   | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | 83,656             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 92,254             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 30,087             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 57,642<br>76,665   | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | 86.337             | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 103,175            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 76,596             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 37,071             | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 138,075<br>25,176  | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 73,788             |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 66,666             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 46,932             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 16,766<br>37 198   | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 26.476             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 2,018              | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 43,196             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 44,621<br>175,448  | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | 83,527             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 10,607,332         | _                | 9,770,007          |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 35,659             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 404<br>584         | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES  MATHEMATICAL AND PHYSICAL SCIENCES | 47.049<br>47.049      |   |                                       | 89 948             |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 222,177            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 105,367            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 51,586             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 21,226<br>64,011   | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 164,790            |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | (2,779)            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 26,112             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 537,813<br>115.453 | _                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049                |   |                                       | 115,453<br>462,057 |                  | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 143,141            | =                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 114,391            | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 43,960             | _                | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      |   |                                       | 89,484<br>306,435  |                  | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                |   |                                       | 875,266            | =                | =                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                | ASSOCIATED UNIVERSITIES INCORPORATED          | PO 370415                             |                    | 9,413            | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES                                     | 47.049                | UNIVERSITY OF ROCHESTER                       | SA417875GR511149                      | _                  | 83,550           | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES  | 47.049<br>47.049      | OHIO STATE UNIVERSITY UNIVERSITY OF ROCHESTER | SPC1000003956 GR117105<br>SUB00000167 | _                  | 34,840<br>49.205 | _                  |                            |
| MATHEMATICAL AND PHYSICAL SCIENCES  MATHEMATICAL AND PHYSICAL SCIENCES | 47.049                | WESLEYAN UNIVERSITY                           | WESU5011093137                        | =                  | 5,565            | _                  | 24,978,081                 |
|  |                       |   |                                       |                    |                  |                    |                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name                                | Pass-through number       | Direct expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|---|---------------------------|---------------------|----------------------------------|--|--|
| RESEARCH AND DEVELOPMENT CLUSTER:  |                                 |   |                           |                     |                                  |  |  |
| GEOSCIENCES GEOGRAFICES GEOGRA | 47.050                          | BROWN UNIVERSITY  | 00001853                  | s –                 | 1,318                            | _                                      |  |
| GEOSCIENCES  | 47.050                          | BOWLING GREEN STATE UNIVERSITY                          | 10010192 SUNY04           | _                   | 40,576                           | _                                      |  |
| GEOSCIENCES  | 47.050                          | UNIVERSITY OF NEW MEXICO                                | 133660-87Y4               | _                   | 427,706                          | _                                      |  |
| GEOSCIENCES  | 47.050<br>47.050                |   |                           | 21,288              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 50,356<br>1,409     | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 27,959              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 14.150              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 54,667              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA          | 202115                    | _                   | 354,430                          | 95                                     |  |
| GEOSCIENCES  | 47.050                          | UTAH STATE UNIVERSITY                                   | 202743 676                | 20,086              | 81,020                           | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                | RUTGERS UNIVERSITY                                      | 2065                      | 20,086              | 28,710                           | =                                      |  |
| GEOSCIENCES  | 47.050                          | MICHIGAN TECHNOLOGICAL UNIVERSITY                       | 2105003Z6 PO106535        | _                   | 22,001                           | _                                      |  |
| GEOSCIENCES  | 47.050                          | MICHOLA TECHNOLOGICA CHITETON                           | 2100000251 0100000        | 10,821              | - LE,001                         | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 78,865              | _                                | 8,704                                  |  |
| GEOSCIENCES  | 47.050                          | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 56B GG00939304 SAPOG16524 | _                   | 22,224                           | _                                      |  |
| GEOSCIENCES  | 47.050                          | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 56GG009393                | =                   | 4,426                            | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                | UNIVERSITY OF CALIFORNIA AT DAVIS                       | A170253S006               | 6,424               | 133,465                          |  |  |
| GEOSCIENCES  | 47.050                          |   |                           | 8,797               | =                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 56.416              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 9,085               | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 7,486               | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 39,983              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 86,940              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 10,249<br>83,439    | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050                          |   |                           | 17 083              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 99,579              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 48,932              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 87,437              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 111,725             | =                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 179,787<br>32,309   | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 90.690              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 22.347              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 49,565              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 121,022             | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 111,957             | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 87,619<br>210,343   | _                                | 60,954                                 |  |
| GEOSCIENCES  | 47.050                          |   |                           | 30,871              | _                                | 00,954                                 |  |
| GEOSCIENCES  | 47.050                          |   |                           | (1)                 | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 26,533              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 64,973              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 47,030              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 15,435<br>370,975   | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 22,499              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 38,309              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          | RESEARCH FOUNDATION OF CUNY                             | CM00006048-00             | · –                 | 6,643                            | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 70,717              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 10,906              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 49,640              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 48,800<br>5,410     | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 7,978               | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 33,328              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 103,774             | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 33,217              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 68,945<br>100,979   | _                                | =                                      |  |
| GEOSCIENCES GEOSCIENCES  | 47.050<br>47.050                |   |                           | 61,343              | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 124,949             | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 54,271              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 96,359              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 229,292             | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 145,606<br>17,848   | =                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 65,415              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 4,891               | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 84,734              | _                                | 27,708                                 |  |
| GEOSCIENCES  | 47.050                          |   |                           | 52,860              | _                                |  |  |
| GEOSCIENCES  | 47.050                          |   |                           | 13,573              | _                                | -                                      |  |
| GEOSCIENCES  | 47.050<br>47.050                |   |                           | 64,186              | _                                | _                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 18,275<br>2,273     |                                  |  |  |
| GEOSCIENCES  | 47.050                          |   |                           | 49.331              | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 66,942              | _                                | =                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 100,171             | _                                | _                                      |  |
| GEOSCIENCES  | 47.050                          |   |                           | 66,506              | _                                | -                                      |  |
| GEOSCIENCES<br>GEOSCIENCES   | 47.050<br>47.050                |   |                           | 88,207<br>12.958    | _                                | _                                      |  |
| GEOSCIENCES  | 47.050<br>47.050                |   |                           | 12,958<br>41,316    | _                                | _                                      |  |
|  | -1.000                          |   |                           | 41,510              | _                                | _                                      |  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing |   |                         | Direct            | Pass-<br>through | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|--|-----------------------|---|-------------------------|-------------------|------------------|--------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name  | Pass-through number     | expenditures      | expenditures     | to subrecipients   | federal grantor                     |
| EARCH AND DEVELOPMENT CLUSTER:   |                       |   |                         |                   |                  |                    |                                     |
| GEOSCIENCES  | 47.050                |   |                         | \$ 40,035         | _                | _                  |                                     |
| GEOSCIENCES GEOSCIENCES  | 47.050<br>47.050      |   |                         | 160,735           | _                | _                  |                                     |
| GEOSCIENCES  | 47.050<br>47.050      | REGENTS OF THE UNIVERSITY OF CALIFORNIA                             | KK2041                  | 19,999            | 32.651           | =                  |                                     |
| GEOSCIENCES  | 47.050<br>47.050      | BROOKHAVEN SCIENCE ASSOCIATES LLC                                   | NA NA                   | _                 | 27,819           | =                  |                                     |
| GEOSCIENCES  | 47.050                | BROOKHAVEN SCIENCE ASSOCIATES LLC                                   | NA.                     | 44,532            | 27,019           | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 78 195            | _                | 58,138             |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 69.338            | _                | 30,130             |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 97.024            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 92,606            |                  |                    |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 39,136            |                  |                    |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 263.512           | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 126,176           | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 71,333            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 4,520             | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 250,071           | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 37,837            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 113,003           | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 27,428            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 67,122            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 17,201            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 60,308            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 70,690            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                | UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH                     | P2013314 SUBAWD002388   | _                 | 23,809           | _                  |                                     |
| GEOSCIENCES  | 47.050                |   |                         | 16,184            | _                | _                  |                                     |
| GEOSCIENCES  | 47.050                | UNIVERSITY OF SOUTHERN CALIFORNIA                                   | SCON00002592            | _                 | 21,293           | _                  | 7,465                               |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | UNIVERSITY CORPORATION FOR ADVANCED INTERNET DEVELOPMENT            | 1042C1                  | _                 | 133,304          | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | (4,101)           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 26,315            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 81,378            |                  | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | WEST VIRGINIA UNIV. RESEARCH CORP. ON BEHALF OF WEST VIRGINIA UNIV. | 16800UB                 | _                 | 5,336            | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | WEST VIRGINIA UNIV. RESEARCH CORP. ON BEHALF OF WEST VIRGINIA UNIV. | 16800UB2                | _                 | 9,249            | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | WEST VIRGINIA UNIV. RESEARCH CORP. ON BEHALF OF WEST VIRGINIA UNIV. | 16800UB5                |                   | 98,836           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |   |                         | 54,091            | _                | 7.707              |                                     |
|  | 47.070<br>47.070      |   |                         | 123,297           | _                | 7,787              |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      |   |                         | 73,857            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070                |   |                         | 45,724<br>142,639 | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 13,976            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 60.868            | _                | =                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |   |                         | 136,861           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 31.960            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 99,909            |                  | =                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | AKAI KAERU LLC  | 1926949                 | 00,000            | 5,701            | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47 070                | 740410210220  | 1020040                 | 96.512            | 0,701            | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 72,541            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 47,934            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 8,294             | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 68.212            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 249.088           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 11,454            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 104,840           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE                           | 2020013701SUN           |                   | 23,784           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 21,038            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 173,049           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 93,483            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 9,005             | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 20,251            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 11,666            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 6,387             | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 66,531            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 119,580           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 102,444           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 87,150            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 10,600            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 6,592             | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | 17,050            | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | CLEMSON UNIVERSITY  | 22812152014427          | _                 | 28,272           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV                       | 47958919245             | _                 | 37,927           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV                       | 47959019245             | _                 | 10,028<br>978    | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | INTEL CORPORATION   | 56095409                | _                 |                  | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK             | 5GG01458602 SAPO G15302 | _                 | 26,355           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | OHIO STATE UNIVERSITY   | 60067828                | _                 | 44,378           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      | CORNELL UNIVERSITY TRUSTEES OF INDIANA UNIVERSITY                   | 7622110548              | _                 | 198,344          | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      | TRUSTEES OF INDIANA UNIVERSITY                                      | 8744SUNY                | 15,341            | 9,135            | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |   |                         | 15,341<br>300 895 | _                | _                  |                                     |
|  | 47.070<br>47.070      |   |                         | 300,895<br>43,763 | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   |                       | ADIZONA DOADD OF DECENTS  | ACUIDO0000044           | 43,763            | 22.070           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | ARIZONA BOARD OF REGENTS  | ASUB00000214            | 400.07            | 23,078           | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |   |                         | 123,854           | _                | _                  |                                     |
|  | 47.070                |   |                         | 137,113           | _                | _                  |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |   |                         | (416)<br>26,082   | _                | _                  |                                     |
|  |                       |   |                         |                   |                  |                    |                                     |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |   |                         | 112.319           | _                | _                  |                                     |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing |                                |                     | Direct             | Pass-<br>through | Passed-<br>through | expendite<br>by ALN a |
|--|-----------------------|--------------------------------|---------------------|--------------------|------------------|--------------------|-----------------------|
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name       | Pass-through number | expenditures       | expenditures     | to subrecipients   | federal gr            |
| RCH AND DEVELOPMENT CLUSTER:   |                       |                                |                     |                    |                  |                    |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | \$ 20,481          | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING OMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                |                     | 24<br>69 231       | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 69,231<br>69,193   | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING OMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                |                     | 161,361            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 60.829             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 215,877            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 121,580            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 64,187             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 38,210             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 51,988             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 87,247             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 69,105<br>104.679  | -                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070                |                                |                     | 30.675             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 95.964             | _                | _                  |                       |
| OMPLITER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                |                     | 67 229             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 208.432            |                  | =                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 153,018            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 111,874            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 137,705            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 37,788             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 450                | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 96,278             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 24,204             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 62,711             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 82,002             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070<br>47.070      |                                |                     | 35,178<br>15,744   | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 15,744<br>12.918   | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070<br>47.070      |                                |                     | 12,918             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                | COMPUTING RESEARCH ASSOCIATION | CIF2020SBU57        | 130,011            | 119,475          | =                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                | COM CTITO RECEPTION POSSESSION | Oil 20230B007       | (760)              | 110,470          | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | (349)              | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 9.479              | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 8,405              | _                | 8,405              |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | (8,405)            | _                | · -                |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 31,074             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 31,086             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 40,912             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | (723)              | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070                |                                |                     | 71,220             | _                | =                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 173,238<br>3.515   | _                | 44,222             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 1,571              | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 131,180            | =                | 45,451             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 3,412              |                  | 45,451             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 26.919             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | (2,900)            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 86,032             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 1,184              | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 239,483            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 133,808            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 81,842             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 67,121             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 251,337<br>162,771 | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 130.562            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING OMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                |                     | 211,502            | _                | 29,264             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 126.121            |                  | 20,204             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 125,004            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 104,969            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 93,226             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 112,279            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 103,606            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 250,213            | -                | -                  |                       |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      |                                |                     | 169,730            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 64,785<br>105,754  | _                | 22,020             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>OMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                |                     | 105,754            |                  | 22,020             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 5,100              | _                |                    |                       |
| DMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 108,457            | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 279,522            | _                | 145,746            |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 314,724            | _                | 205,016            |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 15,781             | _                |                    |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 56,843             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 75,430             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 282,216            | _                | -                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 71,332             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 111,795            | _                | 13,062             |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 50,802             | _                | _                  |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 48,925             | _                | 407.570            |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 199,708            | _                | 127,570            |                       |
| OMPUTER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                |                     | 71.532             |                  |                    |                       |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                       |                                      |                      |                     | _                |                             | Total                      |
|--|-----------------------|--------------------------------------|----------------------|---------------------|------------------|-----------------------------|----------------------------|
|  | Assistance<br>listing |                                      |                      | Direct              | Pass-<br>through | Passed-                     | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name             | Pass-through number  | expenditures        | expenditures     | through<br>to subrecipients | federal grantor            |
|  | numbu                 | r abb-unough chary name              | r abb an ough number | Схропанагов         | Схропакагов      | to subrecipients            | loudrai grantoi            |
| RESEARCH AND DEVELOPMENT CLUSTER:  | 47 070                |                                      |                      |                     |                  |                             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | \$ 75,383<br>86,825 | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 14 810              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 62.587              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 52,334              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 140,238             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 33,199              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 46,351              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 117,482             | _                |                             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      |                                      |                      | 53,714              | _                | 27,783                      |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070                |                                      |                      | 78,293<br>17,329    | _                | 23,689<br>3,712             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 14.376              |                  | 3,712                       |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 112,844             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 34,060              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 5,678               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 62,376              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 45,706              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070<br>47.070      |                                      |                      | 22,652              | _                | _                           |                            |
|  |                       |                                      |                      | 37,087              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                      |                      | 56,680<br>15,922    | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 63 651              |                  |                             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 4.676               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 1,456               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 57,522              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 75,774              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 98,030              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 29,603              | _                |                             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070<br>47.070      |                                      |                      | 10,246<br>244,348   | _                | 5,297                       |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 109.708             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 597                 | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 38,229              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 635                 | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 167,273             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 48,009              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 103,527             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      |                                      |                      | 3,879               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070<br>47.070      |                                      |                      | 34,105<br>95,573    | _                | =                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 137,116             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 226.975             |                  | =                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 110.654             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 706,796             | _                | 307,385                     |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 75,613              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 92,910              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 104,740             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070<br>47.070      |                                      |                      | 90,750<br>64,563    | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 22.500              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 107,760             | _                |                             |                            |
| COMPLITER AND INFORMATION SCIENCE AND ENGINEERING  | 47.070                |                                      |                      | 23 127              |                  |                             |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 24,666              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 128,888             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 129,611             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 2,210               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 1,873               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070<br>47.070      |                                      |                      | 19,388<br>1.581     | _                | = =                         |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | AKAI KAERU LLC                       | NA                   | 1,301               | (2,171)          | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | UNIVERSITY OF LOUISIANA AT LAFAYETTE | NA<br>NA             | _                   | (2,516)          | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 1,502,102           | (=,=.=,          | 122,548                     |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 78,155              | _                | · –                         |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 2,422               | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 94,402              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 142,551             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070<br>47.070      |                                      |                      | 79,849              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING<br>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING | 47.070                |                                      |                      | 179,691<br>84.787   | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 23,297              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 566,102             | _                | =                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 45,980              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 185,137             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 71,851              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 68,034              | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 138,988             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 496,277             | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070<br>47.070      |                                      |                      | 184,600<br>79,030   | _                | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING    | 47.070                |                                      |                      | 79,030              | =                | = =                         |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                |                                      |                      | 12,684              |                  | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | RUTGERS UNIVERSITY                   | SUB#1663 PO#1407557  | -                   | 110,002          | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | US IGNITE                            | TASKORDER1           | _                   | 3,190            | _                           |                            |
| COMPUTER AND INFORMATION SCIENCE AND ENGINEERING   | 47.070                | UNIVERSITY OF TEXAS AT AUSTIN        | UTAUS-SUB00000017    | _                   | 11,845           | _                           | 19,901,228                 |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                                 |  |                                |                     | _                                |  | Total   |
|---|---------------------------------|--|--------------------------------|---------------------|----------------------------------|--|---|
| Federal grantor/federal subdivision or pass-through grantor | Assistance<br>listing<br>number | Pass-through entity name                                     | Pass-through number            | Direct expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | expenditures<br>by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:                           |                                 |  |                                |                     |                                  |  |   |
| BIOLOGICAL SCIENCES   | 47.074                          | HAMILTON COLLEGE   | 01 2020                        | \$ —                | 8,173                            | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          | RUTGERS UNIVERSITY   | 0216PO#953280                  | _                   | 3,103                            | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                | UNIVERSITY OF WYOMING UNIVERSITY OF WYOMING                  | 1002790ASUNYB<br>1003260ASUNYB | _                   | 41,163                           | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          | UNIVERSITY OF WYOMING  | 1003260ASUNYB                  | 25,195              | 110,059                          | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          | RUTGERS UNIVERSITY   | 1613 PO#1380278                |                     | 7,103                            | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 12,236              | . –                              | _                                      |   |
| BIOLOGICAL SCIENCES<br>BIOLOGICAL SCIENCES                  | 47.074<br>47.074                |  |                                | 83,229              | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          | UNIVERSITY OF MASSACHUSETTS AMHERST                          | 18009956A                      | 28,392              | 38,184                           |  |   |
| BIOLOGICAL SCIENCES   | 47.074                          | ONTERON OF INTOCHORES TO ANNEXO                              | 100000001                      | 74,067              | - 00,104                         | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 71,102              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 47,289<br>72,817    | =                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 52,134              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 77,477              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          | RUTGERS UNIVERSITY   | 2194 PO 25114673               | _                   | 41,753                           | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                | CARY INSTITUTE OF ECOSYSTEM STUDIES ARIZONA BOARD OF REGENTS | 3340 200201859<br>467856       | _                   | 27,441<br>1,140                  | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          | COLD SPRING HARBOR LABORATORY                                | 52670317                       | _                   | 15,261                           | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          | COLD SPRING HARBOR LABORATORY                                | 52670417                       | _                   | 59,920                           | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 26,275              | . –                              | 683                                    |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 2,782,062<br>9,204  | _                                | 2,535,834                              |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 9,204<br>3,720      | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 4,471               | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 5,991               | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 93,804<br>107,383   | _                                | 43,446                                 |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 107,383             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 29,109              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 123,419             | _                                | 77,735                                 |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 41,693<br>43,996    | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 43,996<br>67.952    | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 116,697             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 860                 | _                                | _                                      |   |
| BIOLOGICAL SCIENCES<br>BIOLOGICAL SCIENCES                  | 47.074<br>47.074                |  |                                | 188,946<br>323,391  | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 2.343               | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 109,848             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 34,301              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 67,354<br>253,514   | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 172,453             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 91,234              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 102,295             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES<br>BIOLOGICAL SCIENCES                  | 47.074<br>47.074                |  |                                | 3,320<br>45,342     | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 87,226              |                                  |  |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 246,035             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 35,382              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES<br>BIOLOGICAL SCIENCES                  | 47.074<br>47.074                |  |                                | 83,050<br>148,865   | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 102,073             | _                                | =                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 100,539             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 106,578             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES<br>BIOLOGICAL SCIENCES                  | 47.074<br>47.074                |  |                                | 72,236<br>6,949     | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 34,558              | _                                | =                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 37,692              | _                                | 29,097                                 |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 129,459<br>53.508   | _                                | 7,580                                  |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 129,592             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | (139)               | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 87,222              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 56,411<br>160,724   | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          |  |                                | 103,246             | =                                | =                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 114,317             | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 180,046             | _                                | 330                                    |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 115,664<br>213.264  | _                                | =                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                |  |                                | 213,264<br>133,358  | _                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 144,833             | =                                | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          |  |                                | 48,866              | _                                | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074<br>47.074                | UNIVERSITY OF FLORIDA  | P0016611 UFDSP00011384         | 26,033              | 17,008                           | _                                      |   |
| BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES                     | 47.074                          | PENNSYLVANIA STATE UNIVERSITY                                | S001055NSF                     | _                   | 17,008                           | _                                      |   |
| BIOLOGICAL SCIENCES   | 47.074                          | UNIVERSITY OF ARKANSAS                                       | UA2021-203                     | _                   | 14,146                           | _                                      | 8,646,633                                     |
|   |                                 |  |                                |                     |                                  |  |   |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                   |   |                            |                        |                         |                             | Tatal                         |
|--|-------------------|---|----------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
|  | Assistance        |   |                            |                        | Pass-                   | Passed-                     | Total<br>expenditures         |
| Federal grantor/federal subdivision or pass-through grantor                            | listing<br>number | Pass-through entity name                        | Pass-through number        | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                   |   |                            |                        |                         |                             |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  | BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS | 10064017953                | \$ —<br>11,090         | 27,315                  | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075<br>47.075  |   |                            | 11,090                 | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            | REGENTS OF THE UNIVERSITY OF COLORADO           | 1559876                    | _                      | 150,662                 | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 26,963<br>46,671       | _                       | 46.411                      |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 422                    | _                       |                             |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 150,674<br>12,806      | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES    | 47.075            |   |                            | 45,404                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 1,459                  | _                       |                             |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 182,765<br>8.363       | =                       | 175,229                     |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 12,848                 | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 27,030<br>38.487       | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES    | 47.075            |   |                            | 20,226                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075<br>47.075  |   |                            | 27,647                 | =                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 4,132<br>72.319        | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 70,404                 | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 14,505<br>14,287       | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES    | 47.075            | WESLEYAN UNIVERSITY                             | 5011099124UB               | 14,207                 | 3,874                   | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            | ARIZONA BOARD OF REGENTS                        | 548503                     | -                      | 28,481                  | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 38,728<br>8.467        | =                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 4,650                  | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 12<br>4 326            | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 4,326<br>15.801        | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 10,131                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 3,460<br>40.504        | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 69,095                 | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075<br>47.075  |   |                            | 5,067                  | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075            |   |                            | 86,056<br>68,218       |                         | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 22,799                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 8,095<br>70,475        | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 43,775                 | _                       | 12,069                      |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 109,744<br>1,747       | =                       | 58,800                      |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES    | 47.075            |   |                            | 135,731                | _                       | 20,022                      |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 2,855                  | _                       | · -                         |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 2,160<br>6.045         | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 115,535                | _                       | 48,796                      |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 2,309<br>345           | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 90,607                 | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 17,392                 | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 5,207<br>23,027        | =                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 14,766                 | _                       | -                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL. BEHAVIORAL. AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 23,638<br>67,649       | _                       | 2,463                       |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 23,325                 | =                       | 2,403                       |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 2,541                  | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 35,493<br>57,740       | _                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 131                    | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 5,972<br>656           | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 45,753                 | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL. BEHAVIORAL. AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 5,441<br>445           | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES    | 47.075            |   |                            | 98,304                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 80,459                 | _                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES | 47.075<br>47.075  |   |                            | 207<br>148.709         | =                       | _                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075            |   |                            | 3,049                  | =                       | =                           |                               |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES  | 47.075<br>47.075  |   |                            | 121,707                | _                       | _                           | 2.750.444                     |
| SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES<br>EDUCATION AND HUMAN RESOURCES             | 47.075<br>47.076  | TRUSTEES OF INDIANA UNIVERSITY                  | 0262661                    | 3,044                  | 6,350                   | =                           | 2,750,444                     |
| EDUCATION AND HUMAN RESOURCES  | 47.076            | TRUSTEES OF INDIANA UNIVERSITY                  | 0473762                    | _                      | 19,234                  | _                           |                               |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES                            | 47.076<br>47.076  | ITHACA COLLEGE ITHACA COLLEGE                   | 100 082 004<br>100-082-002 | _                      | 14,705<br>20.035        | =                           |                               |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES                            | 47.076            |   | 100-002-002                | 15,237                 | 20,035                  | _                           |                               |
| EDUCATION AND HUMAN RESOURCES  | 47.076            | PAUL SMITH'S COLLEGE                            | 17420411                   | _                      | 12,841                  |                             |                               |
| EDUCATION AND HUMAN RESOURCES<br>EDUCATION AND HUMAN RESOURCES                         | 47.076<br>47.076  |   |                            | 572,962<br>7,486       | _                       | 44,998                      |                               |
| EDUCATION AND HUMAN RESOURCES  | 47.076            |   |                            | 42,217                 | _                       | _                           |                               |
| EDUCATION AND HUMAN RESOURCES  | 47.076            |   |                            | 50,551                 | _                       | _                           |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name                      | Pass-through number   | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|---|-----------------------|------------------------|----------------------------------|--|--|
|  | number                          | Pass-urrough endry name                       | Pass-ulrough number   | expenditures           | expenditures                     | to subrecipients                       | lederal grantor  |
| RESEARCH AND DEVELOPMENT CLUSTER:<br>EDUCATION AND HUMAN RESOURCES                                 | 47.076                          |   |                       | \$ 239,681             |                                  | 49,136                                 |  |
| EDUCATION AND HUMAN RESOURCES  EDUCATION AND HUMAN RESOURCES                                       | 47.076                          |   |                       | 138.578                | _                                | 49,130                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 126,505                | _                                | 19,989                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 1,857,626              | _                                | 1,373,716                              |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 155,607                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES<br>EDUCATION AND HUMAN RESOURCES                                     | 47.076<br>47.076                | PASADENA CITY COLLEGE                         | 2000281               | 126,165                | 35,071                           | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 285 704                | _                                | 3,063                                  |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 99,930                 | _                                | -                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          | DILLARD UNIVERSITY                            | 2106231               | _                      | 40,691                           | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 82,325                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 75,716                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                | MIDDLE TENNESSEE STATE UNIVERSITY             | 53724977774 PO0075530 | 6,046                  | 79 402                           | _                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076                          | AMERICAN MUSEUM OF NATURAL HISTORY            | B15202003             | _                      | 9,139                            | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 61,096                 |                                  | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 400,136                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 3,908                  | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 3,745                  | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES<br>EDUCATION AND HUMAN RESOURCES                                     | 47.076<br>47.076                |   |                       | 97,092<br>17,744       | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 56.588                 | =                                |  |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 538,221                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 28,558                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 811,660                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 516,997<br>253,246     | _                                | =                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 253,246<br>28 175      |                                  | =                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 56,154                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 38,069                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 178,366                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 208,128                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 63,710<br>75,939       | _                                | 16,066                                 |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 66,414                 | _                                | 10,000                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 77,909                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 313,191                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 58,677                 | _                                | 52,391                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 632                    | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES<br>EDUCATION AND HUMAN RESOURCES                                     | 47.076<br>47.076                |   |                       | 22,388<br>86,652       | =                                | 56,747                                 |  |
| EDUCATION AND HUMAN RESOURCES  EDUCATION AND HUMAN RESOURCES                                       | 47.076                          |   |                       | 128.706                | _                                | 14,218                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 60,760                 | =                                | 14,210                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 144,871                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 82,518                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 93,869                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 58,432                 | _                                | =                                      |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 28,671<br>8,766        |                                  |  |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 6.400                  | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 183,462                | _                                | 37,644                                 |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | (8,388)                | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 707,142                | _                                | 109,039                                |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076<br>47.076                |   |                       | 29,975<br>339,792      | _                                | 150,683                                |  |
| EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 4.673                  | _                                | 130,003                                |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          |   |                       | 29,843                 | _                                | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          | UNIVERSITY ENTERPRISES CORPORATION            | SA21135               |                        | 10,249                           | _                                      |  |
| EDUCATION AND HUMAN RESOURCES  | 47.076                          | UNIVERSITY OF GEORGIA                         | SUB00002089           | _                      | 5,113                            | _                                      | 10,098,053   |
| POLAR PROGRAMS   | 47.078                          |   |                       | 31,955                 | _                                | _                                      |  |
| POLAR PROGRAMS POLAR PROGRAMS  | 47.078<br>47.078                |   |                       | 56,534<br>51,958       |                                  |  |  |
| POLAR PROGRAMS POLAR PROGRAMS  | 47.078                          |   |                       | 60,703                 | _                                | _                                      |  |
| POLAR PROGRAMS   | 47.078                          |   |                       | 37,227                 | _                                | _                                      |  |
| POLAR PROGRAMS   | 47.078                          |   |                       | 121,404                | _                                | _                                      |  |
| POLAR PROGRAMS   | 47.078                          |   |                       | 129,562                | _                                | _                                      |  |
| POLAR PROGRAMS   | 47.078<br>47.078                |   |                       | 18,401                 | =                                | =                                      |  |
| POLAR PROGRAMS POLAR PROGRAMS  |                                 |   |                       | 1,685                  | _                                | _                                      |  |
| POLAR PROGRAMS POLAR PROGRAMS  | 47.078<br>47.078                |   |                       | 15,467<br>34.091       | _                                | _                                      |  |
| POLAR PROGRAMS   | 47.078                          |   |                       | 39,579                 | _                                | _                                      | 598,566  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING  | 47.079                          |   |                       | 70,465                 | _                                | _                                      |  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING  | 47.079                          | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV | 47947719B88           | _                      | 66,131                           | _                                      |  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING  | 47.079                          |   |                       | 330,158                | _                                | 25,241                                 |  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING<br>OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING | 47.079<br>47.079                |   |                       | 806,507<br>2.583       | _                                | 322,316                                |  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING    | 47.079                          |   |                       | 28,251                 | _                                | _                                      |  |
| OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING  | 47.079                          |   |                       | 17,553                 | _                                | _                                      | 1,321,648  |
|  |                                 |   |                       |                        |                                  |  |  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance        |   |                                |                        | Pass-                   | Passed-                                 | Total<br>expenditures         |
|---|-------------------|---|--------------------------------|------------------------|-------------------------|---|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor                                   | listing<br>number | Pass-through entity name  | Pass-through number            | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients             | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:   | . ———             |   | -                              |                        |                         |   |                               |
| INTEGRATIVE ACTIVITIES  | 47.083            |   |                                | \$ (2,149)             | _                       | (2,149)                                 |                               |
| INTEGRATIVE ACTIVITIES  | 47.083            |   |                                | 94,736                 | _                       | * * - * * * * * * * * * * * * * * * * * |                               |
| INTEGRATIVE ACTIVITIES  | 47.083            |   |                                | 384,507                | _                       | _                                       |                               |
| INTEGRATIVE ACTIVITIES  | 47.083            |   |                                | 288,580                | _                       | _                                       |                               |
| INTEGRATIVE ACTIVITIES  | 47.083            |   |                                | 688,700                | -                       | _                                       |                               |
| INTEGRATIVE ACTIVITIES INTEGRATIVE ACTIVITIES   | 47.083            |   |                                | 287,338                | _                       | 181,684                                 | 1 943 760                     |
| INTEGRATIVE ACTIVITIES  NSF TECHNOLOGY, INNOVATION AND PARTNERSHIP                            | 47.083<br>47.084  |   |                                | 202,048<br>5,644       | _                       | 20,199                                  | 1,943,760<br>5.644            |
| Total National Science Foundation   | 47.004            |   |                                | 86,548,644             | 4,835,201               | 17,184,428                              | 91,383,845                    |
| U.S. Department of Veterans Affairs:  |                   |   |                                | 00,040,044             | 4,000,201               | 17,104,420                              | 01,000,040                    |
| VETERANS BENEFITS ADMINISTRATION  | 64.000            |   |                                | 389,259                | _                       | _                                       |                               |
| VETERANS BENEFITS ADMINISTRATION  | 64.000            |   |                                | 670,347                |                         |   | 1,059,606                     |
| Total U.S. Department of Veterans Affairs   |                   |   |                                | 1,059,606              |                         |   | 1,059,606                     |
| Environmental Protection Agency:<br>ENVIRONMENTAL PROTECTION AGENCY                           | 66.000            | WATERSHED AGRICULTURAL COUNCIL  | 471                            |                        | 70,317                  |   |                               |
| ENVIRONMENTAL PROTECTION AGENCY   | 66 000            | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION                                      | AM10700                        |                        | 271.952                 |   |                               |
| ENVIRONMENTAL PROTECTION AGENCY   | 66.000            | WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS INC                                   | F013201005                     | _                      | 4.521                   | _                                       |                               |
| ENVIRONMENTAL PROTECTION AGENCY   | 66.000            | WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS INC                                   | F013600574                     | _                      | 2,823                   | _                                       |                               |
| ENVIRONMENTAL PROTECTION AGENCY   | 66.000            |   |                                | 127,814                |                         | _                                       | 477,427                       |
| WATER POLLUTION CONTROL STATE, INTERSTATE, AND TRIBAL PROGRAM SUPPORT                         | 66.419            | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION                                      | AM11059                        | _                      | 54,343                  | _                                       | 54,343                        |
| LONG ISLAND SOUND PROGRAM   | 66.437            |   |                                | 512,808                | _                       | 510,373                                 |                               |
| LONG ISLAND SOUND PROGRAM   | 66.437            |   |                                | 75,267                 | -                       | 7,183                                   | 588,075                       |
| NATIONAL ESTUARY PROGRAM  | 66.456            |   |                                | 295,136                | _                       | _                                       | 295,136                       |
| REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS       | 66.461<br>66.461  |   |                                | 77,971<br>3.323        | _                       | _                                       |                               |
| REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS       | 66.461            |   |                                | 3,323                  | _                       | _                                       | 81.341                        |
| GREAT LAKES PROGRAM   | 66.469            | CLARKSON UNIVERSITY   | 100621-2 PO# CLKSN-0000089722  | 47                     | 157,047                 |   | 01,341                        |
| GREAT LAKES PROGRAM   | 66.469            | CLARKSON UNIVERSITY   | 100621-3 PO89900               | _                      | 4.825                   | _                                       |                               |
| GREAT LAKES PROGRAM   | 66.469            | CLARKSON UNIVERSITY   | 102211-4                       | _                      | 42,793                  | _                                       |                               |
| GREAT LAKES PROGRAM   | 66.469            | CLARKSON UNIVERSITY   | 1170012 PO#                    | _                      | 87,732                  | _                                       |                               |
| GREAT LAKES PROGRAM   | 66.469            | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION                                      | AM10871                        | _                      | 67,037                  | _                                       |                               |
| GREAT LAKES PROGRAM   | 66.469            | CENTRAL MICHIGAN UNIVERSITY   | F62951                         | _                      | 152,685                 | _                                       |                               |
| GREAT LAKES PROGRAM<br>GREAT LAKES PROGRAM  | 66.469            | CENTRAL MICHIGAN UNIVERSITY   | F64661                         |                        | 106,712                 |   |                               |
| GREAT LAKES PROGRAM GREAT LAKES PROGRAM   | 66.469<br>66.469  | CORNELL UNIVERSITY  | GL00E02259                     | 6,165                  | 658.090                 | 4,565                                   |                               |
| GREAT LAKES PROGRAM  GREAT LAKES PROGRAM  | 66.469            | CORNELL UNIVERSITY  | GL00E03289                     | _                      | 556                     | _                                       | 1.283.642                     |
| LAKE CHAMPLAIN BASIN PROGRAM  | 66.481            | NEW ENGLAND INTERSTATE WATER POLLUTION CNTRL COMM                                 | 0356 003 001 LS 2020 084       |                        | 60,160                  |   | 1,203,042                     |
| LAKE CHAMPLAIN BASIN PROGRAM  | 66.481            | NEW ENGLAND INTERSTATE WATER POLLUTION CNTRL COMM                                 | LS2020070                      | _                      | 7,855                   | _                                       |                               |
| LAKE CHAMPLAIN BASIN PROGRAM  | 66.481            | NEW ENGLAND INTERSTATE WATER POLLUTION CNTRL COMM                                 | LS2020073                      | _                      | 20,428                  | _                                       | 88,443                        |
| ENVIRONMENTAL PROTECTION CONSOLIDATED GRANTS FOR THE INSULAR AREAS - PROGRAM SUPPORT          | 66.600            | NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION                                      | AM09757                        |                        | 212,396                 |   | 212,396                       |
| Total Environmental Protection Agency   |                   |   |                                | 1,098,531              | 1,982,272               | 522,121                                 | 3,080,803                     |
| U.S. Department of Energy:  |                   |   |                                |                        |                         |   |                               |
| DEPARTMENT OF ENERGY  | 81.000            |   |                                | 215,495                | _                       | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | FLUOR MARINE PROPULSION LLC   | 125579                         | _                      | 58,535                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | RAYTHEON TECHNOLOGIES   | 1261964                        | _                      | 49,894                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | SANDIA NATIONAL LABORATORIES  | 1970869                        | _                      | 60,956                  | _                                       |                               |
| DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY   | 81.000<br>81.000  | UCHICAGO ARGONNE LLC BATTELLE ENERGY ALLIANCE LLC                                 | 1F60595<br>226708              | _                      | 12,262<br>28,601        | _                                       |                               |
| DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY   | 81.000            | BATTELLE ENERGY ALLIANCE LLC BATTELLE ENERGY ALLIANCE LLC                         | 245071                         | _                      | 31.042                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81 000            | BATTELLE ENERGY ALLIANCE LLC  | 245620                         | _                      | 33,517                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81 000            | BATTELLE ENERGY ALLIANCE LLC  | 255323                         |                        | 8.879                   |   |                               |
| DEPARTMENT OF ENERGY  | 81.000            | BATTELLE ENERGY ALLIANCE LLC  | 260656                         | _                      | 513                     | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 353810                         | _                      | 8,686                   | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 396818                         | _                      | 66,931                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | UT BATTELLE LLC   | 4000193244                     | _                      | 35,269                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 409036                         | _                      | 23,000                  | _                                       |                               |
| DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY   | 81.000<br>81.000  | TRIAD NATIONAL SECURITY LLC PACIFIC NORTHWEST NATIONAL LABORATORY                 | 421987<br>509977               | _                      | 61,645<br>154,360       | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | PACIFIC NORTHWEST NATIONAL LABORATORY PACIFIC NORTHWEST NATIONAL LABORATORY       | 522716                         | _                      | 1.200                   | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81 000            | BATTELLE  | 605251                         |                        | 35 346                  |   |                               |
| DEPARTMENT OF ENERGY  | 81 000            | PACIFIC NORTHWEST NATIONAL LABORATORY   | 606945                         | _                      | 24.080                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | TRIAD NATIONAL SECURITY LLC   | 628994                         | _                      | 79,729                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | FERMI RESEARCH ALLIANCE LLC   | 671492                         | _                      | 78,466                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | FERMI RESEARCH ALLIANCE LLC   | 674951                         | _                      | 13,354                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | FERMI RESEARCH ALLIANCE LLC   | 676264                         | _                      | 35,732                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | REGENTS OF THE UNIVERSITY OF CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORAT       | 7412488                        | _                      | 34,498                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | REGENTS OF THE UNIVERSITY OF CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORAT       | 7432246                        | _                      | 41,284                  | _                                       |                               |
| DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY   | 81.000<br>81.000  | REGENTS OF THE UNIVERSITY OF CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORAT       | 7620161<br>B638854             |                        | 1,630<br>16 414         | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | SAGE ENGINEERING ASSOCIATES   | FILE 3629.01                   | _                      | 11,114                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | MEMBRANE TECHNOLOGY AND RESEARCH INCORPORATED                                     | N/A                            | _                      | 92,914                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            |   |                                | 11,849                 | 02,014                  | =                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | BROOKHAVEN SCIENCE ASSOCIATES LLC   | NA                             | ,                      | 39.512                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | AMERICAN SUPERCONDUCTOR CORPORATION   | NA NA                          | _                      | 25,042                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | ALLIANCE FOR SUSTAINABLE ENERGY LLC   | NHQ98230502                    | _                      | 176,317                 | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | TRUSTEES OF PRINCETON UNIVERSITY  | S017663                        | _                      | 11,076                  | _                                       |                               |
| DEPARTMENT OF ENERGY  | 81.000            | ALLIANCE FOR SUSTAINABLE ENERGY LLC   | SUB202110757                   | _                      | 26,398                  | _                                       | 1,605,540                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049            | UNIVERSITY OF WYOMING   | 1004033                        | _                      | 23,415                  | _                                       |                               |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049            | UNIVERSITY OF UTAH  | 1004949106                     | _                      | 31,911                  | _                                       |                               |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049<br>81.049  | PRESIDENT AND FELLOWS OF HARVARD COLLEGE PRESIDENT AND FELLOWS OF HARVARD COLLEGE | 1243695120798<br>1302985111350 | _                      | 82,387<br>150.009       | _                                       |                               |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049<br>81.049  | NYS ENERGY RESEARCH AND DEVELOPMENT AUTHORITY                                     | 1302985111350<br>147503        | _                      | 150,009<br>305,797      | 162,768                                 |                               |
| STRICE OF SCIENCE FRANCOIL AUGISTANICE FROGRAM  | 01.040            | ATO ENERGY RESEARCH AND DEVELOPMENT ACTION IT                                     | 147303                         | _                      | 303,181                 | 102,700                                 |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                       |  |                                  |              |                    |                    | Total                      |
|--|-----------------------|--|----------------------------------|--------------|--------------------|--------------------|----------------------------|
|  | Assistance<br>listing |  |                                  | Direct       | Pass-<br>through   | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor                                    | number                | Pass-through entity name   | Pass-through number              | expenditures | expenditures       | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                       |  |                                  |              |                    |                    |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | REGENTS OF THE UNIVERSITY OF CALIFORNIA  | 2095 G VA116                     | s –          | 2,998              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY                                   | 210917                           | _            | 21,630             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | SANDIA NATIONAL LABORATORIES   | 2120439                          | _            | 1,764              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK<br>BROOKHAVEN SCIENCE ASSOCIATES LLC | 2GG00859805 SAPOG16236<br>329687 | -            | 45,149<br>4.247    | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 329688                           | _            | 64.812             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 330063                           | =            | 49.255             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 330943                           | _            | 46,489             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 331990                           | _            | 7,317              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 341762                           | _            | 14,389             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 341816<br>342355                 | =            | 12,568<br>54.330   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 346833                           | _            | 50,557             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 347159                           | =            | 49.643             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 347169                           | _            | 43,250             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 347222                           | _            | 50,181             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 351171                           | _            | 41,150             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 354411                           | _            | 49,098             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 357700<br>359707                 | =            | 80,168<br>40.662   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 362186                           |              | 49,774             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 363891                           | _            | 48,422             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 365046                           | _            | 56,610             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 365069                           | _            | 26,630             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 365140                           | _            | 55,003             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 365253                           | _            | 50,462             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 365546<br>365691                 | _            | (152)              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 365694                           | _            | 146,944<br>76.196  | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 367461                           | =            | (3.928)            | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 367942                           | _            | 27,182             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | LOS ALAMOS NATIONAL SECURITY LLC   | 367958                           | _            | 1,556              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 369042                           | _            | 31,392             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 371248                           | _            | 51,945             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 373435                           | =            | 51,551             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 375997<br>376393                 | _            | 50,562<br>52.475   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 376464                           | =            | 223,621            | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 376631                           | _            | 61,572             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 379666                           | _            | 7,589              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 379800                           | _            | 141,819            | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 380779                           | _            | 17,471             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 381451<br>381452                 | =            | 152,995<br>10.045  | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 381452<br>381696                 | _            | 10,045<br>56.069   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 381751                           | _            | 54.531             |                    |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 382057                           | _            | 59,880             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 382337                           | _            | (24)               | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 382349                           | _            | 35,998             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 382665<br>382761                 | _            | 50,557             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 382761                           | _            | 50,564<br>50,562   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 382789<br>382831                 | _            | 50,562             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 382832                           | _            | 49.427             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 383091                           | _            | 82,308             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 383276                           | _            | 5,394              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 383504                           | _            | 25                 | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 383505<br>384740                 | _            | 55,608             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 38474U<br>384899                 | =            | 125,911<br>118,876 | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 386111                           |              | 7.145              |                    |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 387459                           | _            | 43,519             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 387866                           | _            | 6,417              | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 387981                           | _            | 46,233             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 388221                           | _            | 47,971             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 388418<br>388455                 | _            | 54,076             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 388455<br>389154                 | =            | 5,695<br>9,627     | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 389223                           |              | 13.831             |                    |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 390040                           | _            | 119,302            | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 390242                           | _            | 522                | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 391068                           | _            | 163,998            | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 391110                           | _            | 36,691             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 392754                           | -            | 23,433             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                       | 393049<br>393152                 | =            | 32,059<br>49,237   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 393152<br>393271                 | _            | 49,237<br>29,946   | =                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 394109                           | =            | 39,284             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 394722                           | _            | 59,438             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 395741                           | _            | 16,597             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC  | 395973                           | _            | 70,445             | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 397751<br>398025                 | -            | 63,851<br>44 428   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049      | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 398025<br>398028                 | _            | 44,428<br>43,210   | _                  |                            |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049                | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC                          | 398981                           | =            | 45,126             | =                  |                            |
|  | 2                     |  | 000001                           |              | -0,120             |                    |                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance       |   |                                     |                    | Pass-             | Passed-          | Total<br>expenditures |
|--|------------------|---|-------------------------------------|--------------------|-------------------|------------------|-----------------------|
|  | listing          |   |                                     | Direct             | through           | through          | by ALN and            |
| Federal grantor/federal subdivision or pass-through grantor                                    | number           | Pass-through entity name  | Pass-through number                 | expenditures       | expenditures      | to subrecipients | federal grantor       |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                  |   |                                     |                    |                   |                  |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC      | 398982<br>399033                    | \$ <u> </u>        | 34,488<br>110,366 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC         | 399038                              | _                  | 3.651             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 399148                              | _                  | 76,967            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC      | 399895<br>400003                    | _                  | 27,839<br>81.657  | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           | KENT STATE UNIVERSITY   | 400003<br>400007 SUNY               |                    | 4,856             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | UT BATTELLE LLC   | 4000192661                          | _                  | 141,949           | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | UT BATTELLE LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC                        | 4000198814<br>401286                | _                  | 58,429<br>21,452  | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC         | 403614 ( PRIOR 366280 )             | _                  | 21,452<br>91,816  | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 405121                              | _                  | 3,008             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | GINER INC   | 405919                              | _                  | 34,214            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | BROOKHAVEN SCIENCE ASSOCIATES LLC<br>BROOKHAVEN SCIENCE ASSOCIATES LLC      | 406384<br>407173                    | =                  | 49,391<br>12,269  | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 407247                              | _                  | 24,615            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 408448                              | _                  | 25,151            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES LLC         | 409193<br>409460                    | _                  | 16,565<br>1.180   | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 410502                              | _                  | 18,378            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 412755                              | _                  | 43,956            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | BROOKHAVEN SCIENCE ASSOCIATES LLC   | 413694                              | _                  | 1,694             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | UNIVERSITY OF ROCHESTER VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV       | 417662GURFAOGR511020<br>42944719245 | _                  | 128,760<br>32,140 | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | VINGINIA POET LECTINIC INSTITUTE AND STATE ONLY                             | 42544715243                         | 103,348            | 32,140            | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                                  | 4754329                             |                    | 178,844           | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | UNIVERSITY OF DELAWARE PACIFIC NORTHWEST NATIONAL LABORATORY                | 51426<br>549976                     | _                  | 41,361<br>209.663 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           | NORTHWEST NATIONAL EABORATORY   | 60060511SUNY                        | _                  | 2,094             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 245,326            |                   | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | PACIFIC NORTHWEST NATIONAL LABORATORY                                       | 629588                              |                    | 3,482             | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 5,825<br>71,663    | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 109,111            | =                 | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 13,973             | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | LAWRENCE BERKELEY NATIONAL LABORATORY LAWRENCE BERKELEY NATIONAL LABORATORY | 7418390<br>7539585                  | _                  | 31,482<br>48,600  | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           | CORNELL UNIVERSITY  | 85989-11161                         | _                  | 106,046           | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | UNIVERSITY OF MINNESOTA   | A004527505                          | _                  | 134,721           | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | UNIVERSITY OF CALIFORNIA AT DAVIS   | A170309S003<br>C2030                | _                  | 124,872           | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049<br>81.049 | RADIATION MONITORING DEVICES INCORPORATED                                   | C2030                               | 134,112            | 89,386            |                  |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 71,537             | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 32,325             | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 370,827<br>67,645  | _                 | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | GVD CORPORATION   | DE-SC0019884                        | - 07,045           | 75,600            | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           | SKYRE INCORPORATED  | DEEE0008423SBU                      | _                  | 37,676            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | HELIOS-NRG LLC  | DEFE0031710UB                       | 403 186            | 46,948            | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           |   |                                     | 403,186<br>214.614 | =                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 305,468            | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049 |   |                                     | 452,050<br>896.825 | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049           |   |                                     | 896,825            | =                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 192,981            | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 3,736              | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 88,988<br>236 494  | _                 | 128 044          |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 961,991            | _                 |                  |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 2,599,984          | _                 | 1,358,513        |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 23,611<br>425.672  | _                 | 138,378          |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 233,512            | =                 | - 130,370        |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 19,283             | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 155,892<br>165     | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 302,685            | =                 | =                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 42,153             | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 107,923<br>195,990 | _                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           |   |                                     | 195,990            | =                 | _                |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 1,187,464          | _                 | 603,817          |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049           |   |                                     | 143,713            | _                 | 60.895           |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 84,050<br>25.700   | _                 | 60,895           |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 31,705             | =                 |                  |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 115,870            | _                 |                  |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 | HELIOS-NRG LLC  | DESC0020730PHASE2UB                 | 322,860            | 112 700           | 289,857          |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM | 81.049           | TIEBIOGRANG EEG   | DLOCUUZU/30FRAGEZUB                 | 183,484            | 112,789           | 54,052           |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 231,766            | _                 | 123,442          |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049 |   |                                     | 225,553<br>48 129  | _                 | 88,556           |                       |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049           |   |                                     | 48,129             | _                 | _                |                       |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance<br>listing  |   |                                       | Direct                                 | Pass-<br>through  | Passed-<br>through                    | Total<br>expenditures<br>by ALN and |
|---|--|---|---------------------------------------|--|-------------------|---------------------------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor   | number   | Pass-through entity name                                      | Pass-through number                   | expenditures                           | expenditures      | to subrecipients                      | federal grantor                     |
| ESEARCH AND DEVELOPMENT CLUSTER: OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049   |   |                                       | \$ 140,801                             |                   |                                       |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | NALU SCIENTIFIC   | DESC0021531                           | \$ 140,001                             | 7,660             | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | QUNNECT LLC   | DESC0021556                           | _                                      | 26,498            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   |   |                                       | 49,944                                 |                   | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   |   |                                       | 108,729                                | _                 | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   |   |                                       | 213,921                                | _                 | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   |   |                                       | 80,148                                 |                   | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049   | COLORADO STATE UNIVERSITY                                     | G4826101<br>JSA21C1176                | _                                      | 56,022            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049   | JEFFERSON SCIENCE ASSOCIATES LLC<br>KITWARE INCORPORATED      | K00248900S02                          | _                                      | 91,605<br>(52)    | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | MALLIKA ASHWIN MAYA   | NA                                    |  | 47,254            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | BROOKHAVEN SCIENCE ASSOCIATES LLC                             | NA NA                                 |  | 161.534           |                                       |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | PARC, A XEROX COMPANY   | P315269                               | _                                      | 33.532            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | SANDIA NATIONAL LABORATORIES                                  | PO 1955692                            | _                                      | 54,564            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | FLORIDA STATE UNIVERSITY                                      | R000002916                            | _                                      | 52,559            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | MICHIGAN STATE UNIVERSITY                                     | RC107788SBU                           | _                                      | 42,230            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | MICHIGAN STATE UNIVERSITY                                     | RC111555SBU                           | _                                      | 68,965            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | TRUSTEES OF PRINCETON UNIVERSITY                              | S015775                               | _                                      | 74,001            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | TRUSTEES OF PRINCETON UNIVERSITY                              | S015776P                              | _                                      | 61,547            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                         | S4803 PO 303782                       | _                                      | 29,508            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                         | S5296 PO577734                        | _                                      | 22,680            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM   | 81.049<br>81.049   | UNIVERSITY OF GEORGIA TRUSTEES OF PRINCETON UNIVERSITY        | SUB00001816<br>SUB0000287             | _                                      | 126,344<br>69.325 | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | NATIONAL RENEWABLE ENERGY LABORATORY                          | SUB202110501                          | _                                      | 9 664             | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049<br>81.049   | POLARONYX   | SUB202110501<br>SUNYDOE001            |  | 32.014            | _                                     |                                     |
| OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  | 81.049   | UNIVERSITY OF WASHINGTON                                      | UWSC11275 BP043820                    |  | 74,949            | =                                     | 21,261,342                          |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81 086   | NORTH CAROLINA STATE UNIVERSITY                               | 20140654XX                            | _                                      | 27,191            | _                                     | 21,201,042                          |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   | PACIFIC NORTHWEST NATIONAL LABORATORY                         | 474274                                | _                                      | 30.252            | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   | PACIFIC NORTHWEST NATIONAL LABORATORY                         | 592238                                | _                                      | 235,504           | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 117,010                                |                   | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 418,622                                | _                 | 129,802                               |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 110,058                                | _                 | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 499,338                                | _                 | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 208,513                                | _                 | _                                     |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   |   |                                       | 302,420                                | _                 |                                       |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086   | FOUNDAMO  | 00004                                 | 67,116                                 | 400.070           | 5,032                                 |                                     |
| CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT   | 81.086<br>81.086   | E2H2NANO<br>UNIVERSITY OF ARKANSAS                            | S0001<br>UA2022279                    | _                                      | 198,078<br>48.286 | _                                     | 2,262,388                           |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.086<br>81.087   | ELECTRIC POWER RESEARCH INSTITUTE                             | 10011616                              |  | 48,286<br>49,974  | _                                     | 2,262,388                           |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS               | 10179518314                           | _                                      | 213,386           | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | CARNEGIE MELLON UNIVERSITY                                    | 1070234390205                         |  | (9,507)           |                                       |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | REMADE INSTITUTE  | 2001RR4098                            |  | 27,350            |                                       |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA                | 26-1107-0194-002                      | _                                      | 28.472            | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | GINER INC   | 402550                                | _                                      | 2,035             | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   |   |                                       | 321,977                                |                   | 26,978                                |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | GINER INC   | DEEE0008075                           | _                                      | 50,133            | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   |   |                                       | 605,897                                | _                 | 366,160                               |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | UNIVERSITY OF KANSAS CENTER FOR RESEARCH INCORPORATED         | FY2019079M3                           | _                                      | 6,363             | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087<br>81.087   | TRUSTEES OF INDIANA UNIVERSITY                                | IN4395531SUNY                         | _                                      | 86,786            | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT<br>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT  | 81.087   | UNIVERSITY OF NEW HAMPSHIRE<br>OHIO STATE UNIVERSITY          | PZL0171                               | =                                      | 97,796<br>159,704 | _                                     |                                     |
| RENEWABLE ENERGY RESEARCH AND DEVELOPMENT   | 81.087   | ALLIANCE FOR SUSTAINABLE ENERGY LLC                           | SPC1000005724GR125312<br>XHI 99236001 | _                                      | 133,704           | _                                     | 1 773 751                           |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   | RENSSELAER POLYTECHNIC INSTITUTE                              | A200008S004                           | _                                      | 215,757           | _                                     | 1,773,751                           |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   | NENGGEREN FOETTEGING INSTITUTE                                | A2000003004                           | 147.169                                | 213,737           | 37,982                                |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   |   |                                       | 505,174                                | _                 | 275,254                               |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   |   |                                       | 327,124                                | _                 | 3,297                                 |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   |   |                                       | 131,920                                | _                 | _                                     |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   |   |                                       | 53,198                                 | _                 | 38,851                                |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   | HELIOS-NRG LLC  | DEFE0032103                           | _                                      | 5,720             | _                                     |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   | HELIOS-NRG LLC  | DEFE0032103UBLIN                      | _                                      | 19,738            | _                                     |                                     |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT  | 81.089   | GAS TECHNOLOGY INSTITUTE                                      | S1017                                 | _                                      | 37,892            | _                                     | 4.005 :                             |
| FOSSIL ENERGY RESEARCH AND DEVELOPMENT<br>STEWARDSHIP SCIENCE GRANT PROGRAM   | 81.089<br>81.112   | GAS TECHNOLOGY INSTITUTE<br>UNIVERSITY OF ILLINOIS AT CHICAGO | \$1054<br>1799301                     | -                                      | 361,505<br>73 580 | _                                     | 1,805,197                           |
|   | 81.112<br>81.112   | UNIVERSITY OF ILLINOIS AT CHICAGO UNIVERSITY OF ROCHESTER     |                                       | _                                      |                   | _                                     |                                     |
| STEWARDSHIP SCIENCE GRANT PROGRAM<br>STEWARDSHIP SCIENCE GRANT PROGRAM  | 81.112   | UNIVERSITY OF ROCHESTER                                       | 417530G / UR FAO GR510906             | 287,797                                | 506,476           | _                                     | 867.853                             |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   | MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY                 | 0007019401                            | 201,181                                | 70.145            |                                       | 007,000                             |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                         | 671443                                | Ξ.                                     | 27.522            | =                                     |                                     |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   | LAWRENCE LIVERMORE NATIONAL LABORATORY                        | B644316                               | _                                      | 14,343            | _                                     |                                     |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   | LAWRENCE LIVERMORE NATIONAL LABORATORY                        | B651151                               | _                                      | 705               | _                                     |                                     |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   |   |                                       | 148,439                                | _                 | _                                     |                                     |
| NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION  | 81.121   | SOUTHERN NUCLEAR DEVELOPMENT                                  | SNC708290001                          |  | 183,024           | _                                     | 444,178                             |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM   | 81.123   | HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC            | N000378617                            | _                                      | 41,575            | _                                     |                                     |
|   | 81.123   | HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC            | N000416877                            | _                                      | 54,764            | _                                     |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM   | 81.123   | HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC            | N000426465                            | _                                      | 4,752             |                                       | 101,091                             |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM   |  |   |                                       | 1,601,828                              | 205,071           | 78,070                                | 1,601,828                           |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (INNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>NATIONAL NUCLEAR SECURITY ADMINISTRATION (INNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM  | 81.124   | LINESTROTTY OF ILL MOIO LIPPANIA OLIANDADA                    |                                       |  |                   | _                                     |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NINS), IMPORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>NATIONAL NUCLEAR SECURITY ADMINISTRATION (NINS), IMPORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>PREDICTIVE SCIENCE ACADEMIC ALLANCE PROGRAM<br>ADVANCED RESEARCH PROJECTS AGENCY - ENERGY   | 81.124<br>81.135   | UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN                       | 10188418427                           | _                                      |                   |                                       |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY  | 81.124<br>81.135<br>81.135   | COLUMBIA UNIVERSITY   | 7(GG008711-10)                        | =                                      | 324,269           | _                                     |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM PREDICITUR SCIENCE ACADEMIC ALL INACE PROGRAM ADVANCED RESEARCH PROLECTS AGENCY - ENERGY  | 81.124<br>81.135<br>81.135<br>81.135   |   |                                       |  |                   | _                                     |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>NATIONAL NUCLEAR SECURITY ADMINISTRATION (INSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY  | 81.124<br>81.135<br>81.135<br>81.135<br>81.135   | COLUMBIA UNIVERSITY<br>BETTERGY CORPORATION                   | 7(GG008711-10)<br>DEAR0000817         | 146,538                                | 324,269<br>(305)  | 9,662                                 |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM PREDICITUR SCIENCE ACADEMIC ALL INACE PROGRAM ADVANCED RESEARCH PROLECTS AGENCY - ENERGY   | 81.124<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135   | COLUMBIA UNIVERSITY   | 7(GG008711-10)                        | _                                      | 324,269           | 9,662                                 |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>NATIONAL NUCLEAR SECURITY ADMINISTRATION (INSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM<br>PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY<br>ADVANCED RESEARCH PROLECTS AGENCY - ENERGY  | 81.124<br>81.135<br>81.135<br>81.135<br>81.135   | COLUMBIA UNIVERSITY<br>BETTERGY CORPORATION                   | 7(GG008711-10)<br>DEAR0000817         | 146,538<br>                            | 324,269<br>(305)  | _                                     |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM PREDICTIVE SCIENCE ACADEMIC ALLINICE PROGRAM ADVANCED RESEARCH PROLECTS AGENCY - ENERGY   | 81.124<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135                               | COLUMBIA UNIVERSITY<br>BETTERGY CORPORATION                   | 7(GG008711-10)<br>DEAR0000817         | 639,613                                | 324,269<br>(305)  | 9,662<br>—<br>272,466<br>44,562       |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM PREDICITUR SCIENCE ACADEMIC ALL INACE PROGRAM ADVANCED RESEARCH PROLECTS AGENCY - ENERGY | 81.124<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135 | COLUMBIA UNIVERSITY<br>BETTERGY CORPORATION                   | 7(GG008711-10)<br>DEAR0000817         | 639,613<br>252,251<br>661,788<br>1,546 | 324,269<br>(305)  | 9,662<br>272,466<br>44,562<br>227,984 |                                     |
| NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM PREDICITUS SCIENCE ACADEMIC ALLANCE PROGRAM ADVANCED RESEARCH PROLECTS AGENCY - ENERGY  | 81.124<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135<br>81.135           | COLUMBIA UNIVERSITY<br>BETTERGY CORPORATION                   | 7(GG008711-10)<br>DEAR0000817         | 639,613<br>252,251<br>661,788          | 324,269<br>(305)  | 9,662<br>—<br>272,466<br>44,562       | 3,084,128                           |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance       |  |   |              | Pass-            | Passed-          | Total                      |
|---|------------------|--|---|--------------|------------------|------------------|----------------------------|
|   | listing          |  |   | Direct       | through          | through          | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor   | number           | Pass-through entity name   | Pass-through number                         | expenditures | expenditures     | to subrecipients | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                  |  |   |              |                  |                  |                            |
| U.S. Department of Education: INTERNATIONAL RESEARCH AND STUDIES  | 84 017           |  |   | S 84.101     |                  |                  | 84 101                     |
| FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION   | 84.017           | EXCELSIOR COLLEGE  | P116F150077                                 | \$ 84,101    | (567)            | =                | (567)                      |
| FUND FOR THE IMPROVEMENT OF EDUCATION   | 84.215           |  |   | 397,806      |                  | 358,975          | 397,806                    |
| EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION   | 84.305           | MIDDLE TENNESSEE STATE UNIVERSITY  | 53720777774P0068457                         | _            | 612              | _                |                            |
| EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION<br>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION      | 84.305<br>84.305 | CITY UNIVERSITY OF NEW YORK  | CM0000650800                                | 396 595      | 118,892          | 49 258           |                            |
| EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION   | 84.305           |  |   | 398,360      | _                | 273,009          |                            |
| EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION   | 84.305           |  |   | 87,798       | _                | _                | 1,002,257                  |
| TEACHER QUALITY PARTNERSHIP GRANTS  | 84.336           |  |   | 587,092      |                  |                  | 587,092                    |
| Total U.S. Department of Education  |                  |  |   | 1,951,752    | 118,937          | 681,242          | 2,070,689                  |
| U.S. Department of Health and Human Services:   |                  |  |   |              |                  |                  |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | UNIVERSITY OF CINCINNATI   | 013359002                                   | _            | 39,699           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | UNIVERSITY OF CALIFORNIA<br>COVANCE  | 1638PZA049<br>20203331                      | =            | 18,620<br>9,736  |                  |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | ERIE COUNTY  | 21544HE                                     | _            | 172,892          | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | LEIDOS   | 21CTADM0011                                 | _            | 25,919           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | L2 DIAGNOSTICS LIMITED LIABILITY CORPORATION ABT ASSOCIATES INCORPORATED           | 2R44Al13611802<br>50864                     | _            | 72,975<br>88.345 | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES                            | 93.000           | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  | 5115234                                     | =            | 31.317           | =                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  | 5118985                                     | _            | 22,874           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES  | 53950                                       | _            | 17,406           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES  | 54847 POG218700075                          | 38 962       | 96,147           | -                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | 40.156       | _                | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES                            | 93.000           | HEALTH RESEARCH INC  | 6868-01                                     | 40,156       | 728,806          | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TID ETTTE COLUMN   | 000001                                      | 388,427      | 720,000          | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | 40,225       | _                | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | 1,212,198    | _                | 295,917          |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | 58,027       | _                | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | DUKE UNIVERSITY  | ACTIV-1 197(SITE)                           | _            | 40,414           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | PPD INVESTIGATOR SERVICES LLC  | ACTIV-2/A5401                               | _            | 113,876          | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | PPD INVESTIGATOR SERVICES LLC  | ACTIV2A5401                                 | _            | 11,081           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | PPD INVESTIGATOR SERVICES LLC PPD INVESTIGATOR SERVICES LLC                        | ACTIV2A5401 AZD7442<br>ACTIV2A5401 CAMOSTAT | _            | 1,415<br>734     | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES                            | 93.000           | ATOX BIO LIMITED   | ACTIVZASAUT CAMOSTAT<br>ATB202              | _            | 16,995           | _                |                            |
| COVID-19 - DEPARTMENT OF HEALTH AND HUMAN SERVICES  | 93.000           | UNIVERSITY OF CHICAGO  | AWD101462P                                  | _            | 57.855           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | COLUM-0000175175                            | _            | 16.225           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | COLUM-0000191531 R01AG066134                | _            | 33,601           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | UNIVERSITY OF MARYLAND BALTIMORE   | F3014882                                    | _            | 55,999           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | MY SISTERS PLACE   | HHS2020ACFACYFEV1812                        | _            | 26,286           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | (440)        | _                | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           |  |   | 1,511,432    | _                | 242,678          |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | JOHNS HOPKINS UNIVERSITY   | N/A   | _            | 7,248            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | AMERICAN PUBLIC HEALTH ASSOCIATION COMMUNITY PHARMACY ENHANCED SERVICES NETWORK    | NA<br>NA                                    | _            | 50,294<br>33,936 | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES                            | 93.000           | COMMUNITY PHARMACT ENHANCED SERVICES NETWORK                                       | NA NA                                       | 22,168       | 33,930           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | UNIVERSITY OF SOUTH FLORIDA  | P000012069                                  | 22,100       | 2.284            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | P30AG064198                                 | _            | 17,440           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | ROSWELL PARK CANCER INSTITUTE  | P667720                                     | _            | 9.987            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | R01HL137818 COLUM-0000127733                | _            | 16,019           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | R01HL141609                                 | _            | 16,022           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | R01HL151850                                 | _            | 4,890            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | R01HL153382                                 | _            | 17,058           | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | R01HL155190                                 | _            | 8,628            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000           | PPD INVESTIGATOR SERVICES LLC  | SAB185 ACTIV2A5401 CAMOSTAT                 | _            | 3,478            | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES                             | 93.000<br>93.000 | UNIVERSITY OF MISSISSIPPI MEDICAL CENTER LINIVERSITY OF MISSISSIPPI MEDICAL CENTER | SP13925SB06<br>SP14257SB06                  | _            | 5,653<br>8,075   | _                |                            |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES                            | 93.000           | COLUMBIA UNIVERSITY  | U24AG052175                                 | _            | 13.699           | _                | 5.225.083                  |
| SPECIAL PROGRAMS FOR THE AGING TITLE IV AND TITLE II DISCRETIONARY PROJECT                                  | 93.048           | UNIVERSITY OF SOUTHERN CALIFORNIA  | 139211007                                   | _            | 2,703            | _                | 2,703                      |
| ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE  | 93.070           | SYRACUSE UNIVERSITY  | 32321 05910 S01                             | _            | 16,665           | _                |                            |
| ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE  | 93.070           |  |   | 610,746      |                  | 494,993          |                            |
| ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE  | 93.070           |  |   | 682,981      | _                | 328,529          | 1,310,392                  |
| BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE                                  | 93.073           | UNIVERSITY OF SOUTH CAROLINA   | 203975PO2000057736                          | _            | 63,173           | _                | 63,173                     |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS                                |                  |  |   |              |                  |                  |                            |
| (PHEP) ALIGNED COOPERATIVE AGREEMENTS   | 93.074           | HEALTH RESEARCH INC  | 566403                                      | _            | 3,795            | _                |                            |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS                                | 93.074           | LIENT THE DESCRIPTION OF   | 500.404                                     |              | 400.004          |                  | 140.019                    |
| (PHEP) ALIGNED COOPERATIVE AGREEMENTS FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH | 93.074           | HEALTH RESEARCH INC  | 566404                                      | 60.139       | 136,224          | 3 934            | 140,019<br>60,139          |
| BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH  | 93.077           | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 025893384609                                | 00,139       | 4 294            | 3,934            | 60,139                     |
| BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH  | 93.080           | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 025893394609                                | =            | 7.064            |                  | 11.358                     |
| PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES   | 93.084           | UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON                                    | 218537001                                   | _            | 145,028          | _                | ,200                       |
| PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES   | 93.084           |  |   | 485,688      |                  | 326,797          |                            |
| PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES   | 93.084           |  |   | 743,379      | _                | 652,683          | 1,374,095                  |
| HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS  | 93.086           | RETREAT INCORPORATED   | 90FK01040500                                | _            | 156              | _                |                            |
| HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS  | 93.086           | RETREAT INCORPORATED   | 90ZJ00040100                                | _            | 96,899           | _                |                            |
| HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS  | 93.086           | CENTRAL NASSAU GUIDANCE AND COUNSELING   | CNG PROJECTFORWARD YEAR1                    | _            | 94,219           | -                |                            |
|   |                  |  |   |              |                  |                  |                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance        |  |                          | Plant               | Pass-                   | Passed-                     | Total expenditures            |
|--|-------------------|--|--------------------------|---------------------|-------------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor                  | listing<br>number | Pass-through entity name   | Pass-through number      | Direct expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                   |  |                          |                     |                         |                             |                               |
| HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS                 | 93.086            | CENTRAL NASSAU GUIDANCE AND COUNSELING   | CNG PROJECTFORWARD YR2   | \$ <u> </u>         | 13,879                  | _                           | 205,153                       |
| FOOD AND DRUG ADMINISTRATION RESEARCH FOOD AND DRUG ADMINISTRATION RESEARCH  | 93.103<br>93.103  |  |                          | 73,469<br>109,281   | _                       | _                           |                               |
| FOOD AND DRUG ADMINISTRATION RESEARCH  | 93.103            |  |                          | 60.312              | _                       | 38,681                      | 243,062                       |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS                      | 93.110            | MOUNT SINAI SCHOOL OF MEDICINE   | 025365494609             |                     | 19,437                  | -                           | 240,002                       |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS                      | 93.110            | REGENTS OF THE UNIVERSITY OF COLORADO  | FY21306005               | _                   | 4,861                   | _                           | 24,298                        |
| ENVIRONMENTAL HEALTH   | 93.113            | THOMAS JEFFERSON UNIVERSITY  | 08001000S40301           | _                   | 19,584                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | BOWLING GREEN STATE UNIVERSITY   | 10009736 SUNY04          | _                   | 36,229                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 525,210             | _                       | 333,686                     |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 147,395             | _                       | 27,647                      |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 81,000              | _                       | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 107,300             | _                       | _                           |                               |
| ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH                                    | 93.113<br>93.113  | ALASKA COMMUNITY ACTION ON TOXICS  | 2R0107SUNY               | 9,594               | 1 407                   | _                           |                               |
| ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH                                    | 93.113            | ALASKA COMMUNITY ACTION ON TOXICS  ALASKA COMMUNITY ACTION ON TOXICS             | 2R010/30N1               | _                   | 53.558                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | SAFETRACES INCORPORATED  | 2R44ES02507002           | _                   | 44,696                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 104,546             | _                       | 51,282                      |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 614,147             | _                       | 436,837                     |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 459,738             | _                       | 277,262                     |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 444,991             | _                       | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 5,861               | _                       | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | ARIZONA BOARD OF REGENTS   | 619504                   | _                   | 20,481                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | HEALTH RESEARCH INC  | 677901                   | _                   | 11,732                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113<br>93.113  |  |                          | 128,134             | _                       | 39,686                      |                               |
| ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH                                    | 93.113<br>93.113  |  |                          | 102,261<br>162.436  | _                       | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | GEORGE MASON UNIVERSITY  | E2053554                 | 102,430             | 34,711                  | _                           |                               |
| ENVIRONMENTAL HEALTH   | 93.113            | GEORGE MADON ONVERSIT  | E2033334                 | 290.402             | 34,711                  | 42,608                      |                               |
| ENVIRONMENTAL HEALTH   | 93.113            |  |                          | 98.468              | _                       | 42,000                      | 3,503,881                     |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | REGENTS OF THE UNIVERSITY OF CALIFORNIA  | 11151SC                  |                     | 35,079                  | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO                           | 13438SC                  | _                   | 9,251                   | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  | GEORGE WASHINGTON UNIVERSITY   | 18M44                    | 30,913              | 92,197                  | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 481                 | _                       | =                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 2,814               | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121<br>93.121  |  |                          | 16,740<br>554,156   | =                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121            |  |                          | 280.046             | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 27,826              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 75,334              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  |  |                          | 124,992<br>1.143    | =                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 8,273               | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | NUSHORES BIOSCIENCES LLC   | 1R44DE02821302           |                     | 73,609                  | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 321,986             | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  | NOVA SOUTHEASTERN UNIVERSITY   | 331635                   | 167,707             | 127                     | =                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | UNIVERSITY OF ROCHESTER  | 417355GURFAOGR510794     |                     | 809                     | =                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 13,462              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 30,658              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  |  |                          | 20,628<br>29,529    | =                       | =                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 18,065              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 201,390             | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121<br>93.121  |  |                          | 33,182<br>4,723     | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 520,053             | _                       | 91,743                      |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 316,819             | _                       |                             |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 396,120             | _                       |                             |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  |  |                          | 336,857<br>434,901  | =                       | 23,353                      |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 61,847              | _                       | 16,103                      |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 372,317             | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121<br>93.121  |  |                          | 327,379<br>2,084    | _                       | 43,002                      |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121            |  |                          | 33,748              | _                       | 294                         |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 2,245               | _                       |                             |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121            |  |                          | 50,289              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121<br>93.121  |  |                          | 116,600<br>26,830   | =                       | 7,903                       |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 2,815               | _                       | 7,503                       |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 47,647              | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            |  |                          | 35,507              | _                       | -                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH | 93.121<br>93.121  |  |                          | 74,158<br>176,286   | _                       | =                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121            |  |                          | 504,315             | _                       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | MEDICAL UNIVERSITY OF SOUTH CAROLINA   | A003481S001              |                     | 38,501                  | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | UNIVERSITY OF PITTSBURGH   | AWD000024771348151       | _                   | 25,947                  | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH    | 93.121<br>93.121  | CURATORS OF THE UNIVERSITY OF MISSOURI<br>CURATORS OF THE UNIVERSITY OF MISSOURI | C000543201<br>C000722041 | _                   | 6,811<br>(10,701)       | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | CURATORS OF THE UNIVERSITY OF MISSOURI   | C000759481               | =                   | 202,974                 | _                           |                               |
| ORAL DISEASES AND DISORDERS RESEARCH   | 93.121            | VIRGINIA COMMONWEALTH UNIVERSITY   | FP00008909SA001          | _                   | 172,966                 | _                           |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                                 |  |   |                        |                  |  | Total   |
|---|---------------------------------|--|---|------------------------|------------------|--|---|
| Endougle-productife-depth subdivision as many through assets  | Assistance<br>listing<br>number | Dana Abassush antibu sama  | Pass-through number                             | Direct<br>expenditures | Pass-<br>through | Passed-<br>through<br>to subrecipients | expenditures<br>by ALN and<br>federal grantor |
| Federal grantor/federal subdivision or pass-through grantor  RESEARCH AND DEVELOPMENT OF USTER:   | number                          | Pass-through entity name   | Pass-urrough number                             | expenditures           | expenditures     | to subrecipients                       | lederal grantor                               |
| ORAL DISEASES AND DISORDERS RESEARCH  | 93.121                          |  |   | \$ 37.806              | _                | _                                      |   |
| ORAL DISEASES AND DISORDERS RESEARCH  | 93.121                          | CASE WESTERN RESERVE UNIVERSITY  | RES515296                                       |                        | 68,718           | _                                      |   |
| ORAL DISEASES AND DISORDERS RESEARCH  | 93.121<br>93.121                | FORSYTH INSTITUTE FORSYTH INSTITUTE  | SUNYB0169372720                                 | _                      | 69,938<br>36.654 | _                                      |   |
| ORAL DISEASES AND DISORDERS RESEARCH<br>ORAL DISEASES AND DISORDERS RESEARCH  | 93.121                          | TRAVERSE BIOSCIENCES INCORPORATED  | SUNYB016937ADMINS2720A<br>TRBN0224              | =                      | 30,054           |  |   |
| ORAL DISEASES AND DISORDERS RESEARCH  | 93.121                          | UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION INCORPORATED                          | ULRF20065001                                    | _                      | 109,896          | _                                      | 6,773,753                                     |
| GRANTS TO INCREASE ORGAN DONATIONS  | 93.134<br>93.136                | ERIE COUNTY MEDICAL CENTER HEALTH RESEARCH INC                                     | NA<br>FORMOR                                    | _                      | 32,243           | _                                      | 32,243  |
| INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS | 93.136                          | HEALTH RESEARCH INC  | 598103  | 337,977                | 25,319           |  | 363,296                                       |
| NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING   | 93.142                          | RUTGERS UNIVERSITY   | 1376258   | -                      | 5,300            | _                                      | ,   |
| NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING   | 93.142                          | RUTGERS UNIVERSITY   | 1919  | _                      | 24,462           | _                                      |   |
| NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING<br>NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION                                | 93.142<br>93.143                | RUTGERS UNIVERSITY   | 25029091  | 253,865                | 6,867            | 35,368                                 | 36,629<br>253,865                             |
| AIDS FOLICATION AND TRAINING CENTERS  | 93.145                          | COLUMBIA UNIVERSITY  | 2GG01490504 SAPOG14831                          | 253,005                | 8 634            | 35,300                                 | 255,005                                       |
| AIDS EDUCATION AND TRAINING CENTERS   | 93.145                          | COLUMBIA UNIVERSITY  | 2GG01490506MAI SAPO:G15827                      | _                      | 62,880           | _                                      |   |
| AIDS EDUCATION AND TRAINING CENTERS   | 93.145                          | COLUMBIA UNIVERSITY  | 6(GG01490505) SAPO:G15819                       | _                      | 216,704          | _                                      |   |
| AIDS EDUCATION AND TRAINING CENTERS<br>COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH                                  | 93.145<br>93.153                | COLUMBIA UNIVERSITY WESTAT CORPORATION   | 6GG01490503 G14826<br>6579S10 HHSN2752019000011 | _                      | 64,506<br>94,460 | _                                      | 352,724<br>94,460                             |
| RURAL HEALTH RESEARCH CENTERS   | 93.155                          | WESTAT CONFORMATION  | 03/33/01/11/01/2/320/3000011                    | 196,138                | 54,400           | 23,676                                 | 196.138                                       |
| HUMAN GENOME RESEARCH   | 93.172                          |  |   | 63,832                 | _                | _                                      |   |
| HUMAN GENOME RESEARCH RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.172<br>93.173                | TEXAS A&M UNIVERSITY KINGSVILLE  | S220201UB503017                                 | 393 085                | 13,727           | _                                      | 77,559  |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS   | 93.173                          |  |   | 51,683                 | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          | JOHNS HOPKINS UNIVERSITY   | 2003988996                                      | 31,003                 | 55,457           |  |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 37,404                 |                  | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS<br>RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 32,864<br>29,291       | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS   | 93.173<br>93.173                |  |   | 29,291<br>74,862       | _                | =                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 231.297                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 191,636                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173<br>93.173                |  |   | 115,932<br>21,966      | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS<br>RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 21,966<br>92,336       |                  | =                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 117,180                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 226,853                | _                | 30,873                                 |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 247,355                | _                | 68,892                                 |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS<br>RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173<br>93.173                |  |   | 111,955<br>479,469     |                  | 121.157                                |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 186,458                | _                | 42,872                                 |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 541,279                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS   | 93.173<br>93.173                |  |   | 491,386<br>195.964     | _                | =                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS   | 93.173                          |  |   | 33,461                 |                  |  |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 199,786                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          |  |   | 134,168                | _                | _                                      |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS<br>RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173<br>93.173                |  |   | 161,863<br>271.638     | -                | 10,454<br>32.151                       |   |
| RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS  | 93.173                          | UNIVERSITY OF IOWA   | S0183201  | 2/1,030                | 145,531          | 32,131                                 | 4.872.159                                     |
| DISABILITIES PREVENTION   | 93.184                          | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 025893384609                                    | _                      | 12,985           | _                                      |   |
| DISABILITIES PREVENTION   | 93.184                          | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 025893394609                                    |                        | 5,012            | _                                      | 17,997  |
| NATIONAL RESEARCH SERVICE AWARD IN PRIMARY CARE MEDICINE<br>RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH                                   | 93.186<br>93.213                | OKLAHOMA STATE UNIVERSITY  | 1502011   | 65,578                 | 32.409           | _                                      | 65,578  |
| RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH   | 93.213                          | YALE UNIVERSITY  | CON80002938 GR112173                            | _                      | 13.014           | _                                      |   |
| RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH   | 93.213                          | DREXEL UNIVERSITY  | PO U0236289                                     | _                      | 36,684           | _                                      | 82,107  |
| RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES  | 93.226                          | UNIVERSITY OF RHODE ISLAND   | 0009641/050522 PO 188090                        | _                      | 21,269           | _                                      |   |
| RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES   | 93.226<br>93.226                |  |   | 307,848<br>168.642     | _                | 85,222                                 |   |
| RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES  | 93.226                          |  |   | 43,710                 | _                | 19,789                                 | 541,469                                       |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | FLORIDA INTERNATIONAL UNIVERSITY   | 000523  | -                      | 57,139           |  |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 0255B9214609                                    | _                      | 78,913           | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI<br>ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255D9914609<br>0255E5314609                    | =                      | 89,889<br>68 093 | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 0255E5324609                                    | _                      | 30,591           | =                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI  | 0255E8214609                                    | _                      | 31,233           | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                | BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS                                    | 09307817239                                     | 187,225                | 5,948            | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | RTIINTERNATIONAL   | 1340021732965846L                               | 187,225                | 156.940          | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 140831  | =                      | 15,469           | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 142316  | _                      | 14,241           | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                | UNIVERSITY OF COLORADO   | 1557924   | 14.107                 | 25,078           | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 26.094                 |                  |  |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 457,721                | _                | 187,950                                |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 144,743                | _                | 130,415                                |   |
| MENTAL HEALTH RESEARCH GRANTS<br>COVID-19 - MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                |  |   | 39,783<br>192.517      | _                | _                                      |   |
| COVID-19 - MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS  | 93.242<br>93.242                |  |   | 192,517<br>51.076      | _                | =                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 121,629                | =                | =                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 98,777                 | _                | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 179,266                | _                | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                |  |   | 197,002<br>99.486      | _                | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | (5,778)                | _                | =                                      |   |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | (17,301)               | _                | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242                |  |   | 156,472<br>54,969      | _                | _                                      |   |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                          |  |   | 54,969<br>47.697       | =                | =                                      |   |
| 100 - 100   100 - 100   |                                 |  |   | ,201                   |                  |  |   |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                       |   |  |                    |                   |                    | Total                      |
|---|-----------------------|---|--|--------------------|-------------------|--------------------|----------------------------|
|   | Assistance<br>listing |   |  | Direct             | Pass-<br>through  | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor   | number                | Pass-through entity name  | Pass-through number                        | expenditures       | expenditures      | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                       |   |  |                    |                   |                    |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | MASSACHUSETTS GENERAL HOSPITAL<br>TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 235128<br>2GG01744701                      | s _                | 59,535<br>168,758 | =                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 171,131            | _                 | 156,623            |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | UNIVERSITY OF CONNECTICUT 3C INSTITUTE  | 318201<br>3C202101                         | _                  | 1,635             | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                | 3C INSTITUTE  | 3C202101                                   | 666.365            | 23,463            | 451,828            |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 815,545            | _                 |                    |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | VANDERBILT UNIVERSITY MEDICAL CENTER VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV        | 4018066223VUMC64356<br>41261719245         | _                  | 53,656<br>38,352  | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                | UNIVERSITY OF ROCHESTER   | 417866GURFAOGR511141                       | =                  | 87,108            | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                | SIMMERSION  | 5065-BU                                    | _                  | 43,722            | -                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | UNIVERSITY OF DELAWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY                              | 55002<br>5710004178                        | _                  | 40,469<br>10,550  | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                | MACONOTICE TO MOTHER TECHNOLOGY   | 5715554175                                 | 6,830              | -                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 49,844             | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 33,051<br>(148)    | =                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | (13,109)           | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 199,710            | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 228,274<br>635,173 | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 364,765            | _                 | 64,330             |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 2,957              | _                 | 149.070            |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 312,130<br>788,528 | _                 | 63,645             |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 7,713              | _                 | 7,713              |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | (3,835)<br>128 217 | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 769.314            | _                 | 265,184            |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 607,687            | _                 |                    |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 129,149            | _                 |                    |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 330,355<br>608 833 | =                 | 174,657            |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 562,720            | _                 | 334,859            |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 892,632            | _                 | 119.463            |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 713,905<br>627,611 |                   | 119,463<br>510.029 |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 703,024            | _                 | 14,294             |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 695,098            | _                 | 75.611             |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 609,014<br>441,363 | =                 | 364.419            |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 317,018            | _                 | 181,013            |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 321,355<br>(26)    | _                 | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | (17,714)           |                   | =                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 251,756            | _                 | -                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 140,245<br>295.686 | _                 | 43,608             |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 245.524            | _                 | 43,000             |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 140,632            | _                 | -                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      |   |  | 176,519<br>297,910 | _                 | 73,447<br>51,552   |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | (574)              | _                 | 51,352             |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 648,505            | _                 | 142,980            |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | UNIVERSITY OF PITTSBURGH YALF UNIVERSITY  | AWD000053971373712<br>GR105701CON80001708  | _                  | 57,211<br>27,807  | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242                | YALE UNIVERSITY   | GR105701CON80001708<br>GR110673CON80002551 |                    | 530.194           | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                | YALE UNIVERSITY   | GR111339CON80002695                        | _                  | 31,375            | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS   | 93.242<br>93.242      | UNIVERSITY OF CALIFORNIA AT LOS ANGELES<br>RESEARCH FOUNDATION FOR MENTAL HYGIENE         | N/A<br>PO139393                            | _                  | 94,689<br>18,224  | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                |   |  | 90,048             | _                 | =                  |                            |
| MENTAL HEALTH RESEARCH GRANTS   | 93.242                | TETRA DISCOVERY PARTNERS  | R44MH091791                                | _                  | 11,436            | _                  |                            |
| MENTAL HEALTH RESEARCH GRANTS SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE | 93.242<br>93.243      | QUADRANT BIOSCIENCES INCORPORATED<br>ERIE COUNTY DEPARTMENT OF HEALTH                     | UPSTRF111347<br>19418HE                    | _                  | 119,808<br>46,064 | _                  | 19,027,741                 |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE                               | 93.243                | ERIE COUNTY DEPARTMENT OF HEALTH  | TBD  | =                  | 76,298            | =                  | 122,362                    |
| ADVANCED NURSING EDUCATION GRANT PROGRAM  | 93.247                | BASSETT HEALTHCARE  | N/A  | _                  | 25,297            | _                  |                            |
| ADVANCED NURSING EDUCATION GRANT PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM   | 93.247<br>93.262      | MARY IMOGENE BASSETT HOSPITAL<br>ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI                  | T14HP331980101<br>025371214609             | _                  | 38,264<br>6.067   | =                  | 63,561                     |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI   | 025371314609                               | _                  | 2,106             | _                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                |   |  | 9,977              | · -               | -                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM   | 93.262<br>93.262      | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 311531 PO871147 PO815149                   | 399,299            | 16,589            | _                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                | ABBENT BINGTEN OCCEDE OF MEDICINE   | 0110011 0011141 1 0010140                  | 54,245             | - 10,000          | _                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                |   |  | 183,646            | _                 | 56,761             |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM   | 93.262<br>93.262      |   |  | 89,956<br>85,664   | =                 | _                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                |   |  | 358,970            | =                 | 47,329             |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                |   |  | 208,515            | _                 | 38,162             |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM   | 93.262<br>93.262      |   |  | 691,551<br>212.970 | =                 | 156,567            |                            |
| COVID-19 - OCCUPATIONAL SAFETY AND HEALTH PROGRAM   | 93.262                |   |  | 259,326            | _                 | _                  |                            |
| OCCUPATIONAL SAFETY AND HEALTH PROGRAM  | 93.262                | TRUSTEES OF INDIANA UNIVERSITY  | 8064                                       | -                  | 13,302            | _                  | 2,592,183                  |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      | BROWN UNIVERSITY BROWN UNIVERSITY   | 00000995<br>00001112                       | =                  | 9,574<br>40,423   | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |   |  | 26,353             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |   |  | 4,411<br>231.068   | -                 | <br>59.507         |                            |
| ACCONCE ACCEPTAGE PROGRAMO  | 03.213                |   |  | 231,000            | _                 | 39,307             |                            |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                       |  |                                   |                    | _                 |                    | Total                      |
|---|-----------------------|--|-----------------------------------|--------------------|-------------------|--------------------|----------------------------|
|   | Assistance<br>listing |  |                                   | Direct             | Pass-<br>through  | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor                                 | number                | Pass-through entity name   | Pass-through number               | expenditures       | expenditures      | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER: ALCOHOL RESEARCH PROGRAMS                                 | 93.273                |  |                                   | \$ 293.167         |                   |                    |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 184.225            | _                 | =                  |                            |
| COVID-19 - ALCOHOL RESEARCH PROGRAMS  | 93.273                |  |                                   | 37,170             | _                 | 3,913              |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 55,321             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 37,439             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 64,085<br>(2.042)  | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                | UNIVERSITY OF SOUTH CAROLINA   | 224638PO2000060839                | (2,042)            | 18.956            | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                | SYRACUSE UNIVERSITY  | 2839704395S02                     | _                  | 24,842            | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 179,697            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 316,211<br>29,708  | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 29,708             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 57,438             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 897                | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 54,319             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 395,779<br>485.439 | _                 | 140,180            |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 312.529            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 370,772            | =                 | =                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 803,037            | _                 | 499,143            |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | (11,493)           | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 26,039<br>172.829  | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 347.228            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 259,506            | =                 | =                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 123,986            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | (28,452)           | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 369,942<br>285.167 | =                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 185,543            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 4,048,140          | _                 | 3,702,747          |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 3,025,678          | _                 | 2,003,192          |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                | CODEX BIOSOLUTIONS INCORPORATED  | CODEX2019003                      | _                  | (2,024)           | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      | VIRGINIA COMMONWEALTH UNIVERSITY TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | FP00010018SA003<br>G14210         | _                  | 32,454<br>33,727  | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                                  | G14210                            | 80,262             | 33,121            |                    |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 1.962.550          | _                 | 64,086             |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 147,274            | _                 |                    |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 64,161             | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273<br>93.273      |  |                                   | 153,427<br>130,937 | _                 | 92,807             |                            |
| ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS   | 93.273                | PENNSYLVANIA STATE UNIVERSITY  | S000392DHHS                       | 130,937            | 190,476           | 92,807             |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93 273                | SYRACUSE UNIVERSITY  | SP-29825-1-05841-S01              | _                  | 36 381            | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                | GEORGIA STATE UNIVERSITY   | SP0001332901                      | _                  | 45,057            | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS   | 93.273                |  |                                   | 263,785            | _                 | _                  |                            |
| ALCOHOL RESEARCH PROGRAMS DRUG ABUSE NATIONAL RESEARCH SERVICE AWARDS FOR RESEARCH TRAINING | 93.273<br>93.278      | YALE UNIVERSITY  | GR105971CON80001794               | 129,489            | 390,992           | _                  | 16,136,998<br>390,992      |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | UNIVERSITY OF MARYLAND BALTIMORE   | 0233                              | _                  | 8.570             |                    | 390,992                    |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | UNIVERSITY OF MARYLAND BALTIMORE   | 100000693                         | _                  | 51.057            | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | UNIVERSITY OF CALIFORNIA AT SAN DIEGO  | 122848777                         | _                  | 316,395           | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | UNIVERSITY OF CALIFORNIA AT SAN DIEGO  | 123549894                         | _                  | 303,237           | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS       | 93.279<br>93.279      | RTI INTERNATIONAL REGENTS OF THE UNIVERSITY OF CALIFORNIA LOS ANGELES                    | 1340021529752559L<br>1490 G VB272 | _                  | 25,615<br>187,935 | -                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS      | 93.279                | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 156753                            | _                  | 66.062            |                    |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | NESE WOTT ON ON ON ON THE THORNE   | 100700                            | 299,329            |                   | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 70,749             | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 78,525             | _                 | 17,752             |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS<br>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS    | 93.279<br>93.279      | EMITECH ALA SCIENTIFIC INSTRUMENTS INC   | 1R43DA051289-01A1<br>1R44DA043277 | _                  | 10,793<br>14,397  | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | ALA GOLENTII IO INGTROMENTO INC  | 11044DA043211                     | 171,530            | 14,587            | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 106,927            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | JOHNS HOPKINS UNIVERSITY   | 2004816361                        | _                  | 39,313            | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | ERIE COUNTY DEPARTMENT OF HEALTH   | 20935HE                           | _                  | 133,401           | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS       | 93.279<br>93.279      | ROSALIND FRANKLIN UNIVERSITY OF MEDICINE AND SCIENCE<br>JACKSON LABORATORY               | 212437<br>213894-0-SERVE          | _                  | 35,064<br>4,930   | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS      | 93.279                | NEW YORK UNIVERSITY SCHOOL OF MEDICINE   | 21A0S3003671/M210441017           | _                  | 202.641           | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | RTI INTERNATIONAL  | 2312021662165446L                 | _                  | 17,383            | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                | TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION                         | 263622SUNY                        | _                  | 4,408             | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 478,359            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS       | 93.279<br>93.279      | HENRY M JACKSON FDN FOR ADV OF MILITARY MED INC  | 470595522365680                   | 197 080            | 109,590           | 2,378              |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 16.533             | _                 | 2,370              |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 190,146            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 234,620            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 390,664            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS       | 93.279<br>93.279      |  |                                   | 484,993<br>(327)   | =                 | -                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS      | 93.279                |  |                                   | (327)<br>86.684    | =                 | 48.445             |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 243,535            | =                 | 25,657             |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 233,637            | _                 | _                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 502,461            | _                 | 13,975             |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS       | 93.279<br>93.279      |  |                                   | 252,735<br>550.026 | =                 | 26,865             |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS      | 93.279                |  |                                   | 361.872            | =                 | =                  |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 524,600            | _                 | 299,724            |                            |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |  |                                   | 630,316            | -                 | _                  |                            |
|   |                       |  |                                   |                    |                   |                    |                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing |   |   | Direct             | Pass-<br>through  | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|--|-----------------------|---|---|--------------------|-------------------|--------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name  | Pass-through number                                     | expenditures       | expenditures      | to subrecipients   | federal grantor                     |
| RESEARCH AND DEVELOPMENT CLUSTER:<br>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279                |   |   | \$ (532)           | _                 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                |   |   | 2,604              | _                 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279<br>93.279      |   |   | 44,349<br>46,269   | _                 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                |   |   | 9,313              | =                 | =                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                |   |   | 244,877            | _                 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279<br>93.279      |   |   | 69,638<br>161 461  | _                 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                |   |   | 546,311            | _                 | 355.693            |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                |   |   | 396,199            | _                 | 123,644            |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | DUKE UNIVERSITY   | A035138   | _                  | 350,434           | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279<br>93.279      | YALE UNIVERSITY VIRGINIA COMMONWEALTH UNIVERSITY                                  | CON-80003024(GR113143)<br>FP00011838SA003               |                    | 178,986<br>24.620 | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | COLORADO STATE UNIVERSITY   | G849911   | _                  | 1,866             | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | RECTORS & VISITORS OF THE UNIVERSITY OF VIRGINIA                                  | GB10811   | _                  | 15,424            | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS<br>COVID-19 - DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279<br>93.279      | NEW YORK UNIVERSITY NEW YORK UNIVERSITY   | IB00510480 F1836-01<br>NYU GROSSMAN (THOMASON)          | =                  | 51,201<br>4,015   | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | UNIVERSITY OF MIAMI   | OS00000255 PO SPC-001273                                | _                  | 222,368           | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | UNIVERSITY OF MIAMI   | OS00000369 PO #SPC-001635                               | _                  | 9,709             | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS  | 93.279<br>93.279      | UNIVERSITY OF MIAMI NEW YORK UNIVERSITY SCHOOL OF MEDICINE                        | PO #SPC-001273 OS00000225<br>PO M210441017 20A0S3003671 |                    | 35,621<br>95.626  | _                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | BOARD OF REGENTS OF UNIVERSITY SYSTEM OF GEORGIA BY AND ON BEHALF OF UNIVER       | SP0001433301  | =                  | 81,962            | =                  |                                     |
| DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS   | 93.279                | UNIVERSITY OF WASHINGTON  | UWSC8834  | _                  | 14,982            | _                  | 10,243,088                          |
| COVID-19 - CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE  |                       |   |   |                    |                   |                    |                                     |
| ASSISTANCE CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE  | 93.283<br>93.283      | CERNER CORPORATION  | 200201563931  | 60,842             | (21,155)          | _                  | 39.687                              |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                           | 1GG01420501 POG12662                                    | _                  | 4,066             | _                  | 38,007                              |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 19,128             | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 2,522<br>71 370    | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 98.392             | =                 | =                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 128,026            | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      | CHRONUS PHARMACEUTICALS INCORPORATED  | 1R41EB02986001  | 32.043             | 8,642             | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 32,043<br>470,002  | =                 | 194.284            |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 64,912             | _                 | -                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH<br>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH | 93.286<br>93.286      |   |   | 278,489<br>287 417 | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH<br>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH | 93.286<br>93.286      |   |   | 287,417<br>418,186 | _                 | 188 275            |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 321,740            | _                 | 119,864            |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 378,779            | _                 |                    |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 264,868<br>434 940 | _                 | 38,471             |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 767,876            | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 729,216            | _                 | 58,139             |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 9,824<br>807       | _                 | 1,572              |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 204,567            | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 37,643             | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 8,523<br>466,518   | -                 | 193,429            |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 104,426            | _                 | 78,735             |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 706,290            | _                 | 136,151            |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      |   |   | 27,729<br>9.277    | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 232,842            | =                 | =                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                | COLORADO STATE UNIVERSITY   | G8795103  |                    | 113,144           | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      | KITWARE INCORPORATED CHRONUS PHARMACEUTICALS INCORPORATED                         | K00284700S01<br>NA                                      | _                  | 82,456<br>(1,740) | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH  DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                | ALBANY RESEARCH INSTITUTE   | P41EB018783   | _                  | 66,354            | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH   | 93.286                |   |   | 2,977              | _                 | _                  |                                     |
| DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH    | 93.286<br>93.286      | UNIVERSITY OF FLORIDA   | SUB00002986   | 105,609            | 4 638             | _                  | 6 962 498                           |
| MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH  | 93.307                | UNIVERSITY OF TEXAS AT ARLINGTON  | 26160258062   | =                  | 3.972             | =                  | 0,502,450                           |
| MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH  | 93.307                | UNIVERSITY OF PENNSYLVANIA  | 575095 PO #4246318                                      | _                  | 35,879            | _                  |                                     |
| MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH  | 93.307<br>93.307      | PONCE MEDICAL SCHOOL FOUNDATION   | 8624  | 2,000,000          | 12,789            | _                  |                                     |
| MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH  | 93.307                | PONCE MEDICAL SCHOOL FOUNDATION PONCE MEDICAL SCHOOL FOUNDATION                   | 8633  | _                  | 14.325            | _                  |                                     |
| MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH  | 93.307                | MEMORIAL SLOAN KETTERING CANCER CENTER  | BD521191D   | _                  | 64,490            | _                  | 2,131,455                           |
| TRANS-NIH RESEARCH SUPPORT   | 93.310                | THOMAS JEFFERSON UNIVERSITY   | 08004000\$40701   | _                  | 155,005           | _                  |                                     |
| TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT  | 93.310<br>93.310      | THOMAS JEFFERSON UNIVERSITY   | 08004000S40701 PO:2000116286                            | 12,054             | 171,384           | _                  |                                     |
| TRANS-NIH RESEARCH SUPPORT   | 93.310                |   |   | 117,180            | _                 | _                  |                                     |
| TRANS-NIH RESEARCH SUPPORT   | 93.310                | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 312044PO879887  | _                  | 69,799            | _                  |                                     |
| TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT  | 93.310<br>93.310      |   |   | 515,071<br>120,295 | _                 | _                  |                                     |
| TRANS-NIH RESEARCH SUPPORT   | 93.310                |   |   | 16.562             | _                 | 15.262             |                                     |
| TRANS-NIH RESEARCH SUPPORT   | 93.310                |   |   | 152,129            | _                 | 29,918             |                                     |
| TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT  | 93.310<br>93.310      | TRUSTEES OF INDIANA UNIVERSITY REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO | 9273 PO0459379<br>KR704670                              | _                  | 45,766<br>42.523  | _                  | 1,417,768                           |
| NIH OFFICE OF RESEARCH ON WOMEN'S HEALTH   | 93.310                | REGENTS OF THE SINIVERSHIT OF CALIFORNIA, SAIN DIEGO                              | KK/U40/U  | 3,140              | 42,523            | _                  | 1,417,768                           |
| EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)   | 93.323                | SYRACUSE UNIVERSITY   | 32435 06072 S01   | -,                 | 1,813             | _                  | 1,813                               |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93.350<br>93.350      | OREGON HEALTH & SCIENCE UNIVERSITY OREGON HEALTH & SCIENCE UNIVERSITY             | 1011902001STONYBROOK                                    | _                  | 19,354<br>436,348 | _                  |                                     |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES<br>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES   | 93.350<br>93.350      | ONEGON HEALTH & SCIENCE UNIVERSIT   | 1011902003STONYBROOK                                    | 423,770            | 430,348           | 56,815             |                                     |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES   | 93.350                |   |   | 17,743             | _                 |                    |                                     |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                  |   |   |                  |                   |                  | Total           |
|---|------------------|---|---|------------------|-------------------|------------------|-----------------|
|   | Assistance       |   |   |                  | Pass-             | Passed-          | expenditures    |
|   | listing          |   |   | Direct           | through           | through          | by ALN and      |
| Federal grantor/federal subdivision or pass-through grantor   | number           | Pass-through entity name  | Pass-through number                           | expenditures     | expenditures      | to subrecipients | federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                  |   |   |                  |                   |                  |                 |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93.350           |   |   | \$ 3,335,575     | -                 | 65,385           |                 |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93.350           | UNIVERSITY OF PITTSBURGH  | AWD000002431344459                            | _                | 6,137             | _                |                 |
| COVID-19 - NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES<br>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES | 93.350<br>93.350 | UNIVERSITY OF COLORADO NEW YORK UNIVERSITY  | FY221126013                                   | _                | 27,476<br>79.017  | _                |                 |
| COVID-19 - NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES   | 93.350           | RUTGERS UNIVERSITY  | NA<br>NA                                      |                  | 56.222            | _                |                 |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93 350           | UNIVERSITY OF COLORADO  | PO1001574624 FY221126013                      | _                | 302.420           | _                |                 |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93.350           | BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM   | UC223192                                      | _                | 21.232            | _                |                 |
| NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES  | 93.350           | VANDERBILT UNIVERSITY MEDICAL CENTER  | VUMC86095                                     | _                | 115,384           | _                | 4,840,678       |
| RESEARCH INFRASTRUCTURE PROGRAMS  | 93.351           |   |   | 3,976            | _                 | _                |                 |
| RESEARCH INFRASTRUCTURE PROGRAMS  | 93.351           | OREGON STATE UNIVERSITY   | P0441A A                                      | _                | 32,750            | _                | 36,726          |
| COVID-19 - BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA),  |                  |   |   |                  |                   |                  |                 |
| BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT   | 93.360           | PHARM OLAM INTERNATIONAL  | 2021SPEC001                                   | _                | 8,793             | _                |                 |
| BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT           | 93.360           |   |   | (4,269)          | _                 |                  |                 |
|   | 93.360           |   |   | (4,269)          | _                 | _                |                 |
| BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT           | 93.360           |   |   | 94.239           |                   |                  |                 |
| BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL                                      | 85.500           |   |   | 54,235           |                   |                  |                 |
| COUNTERMEASURE DEVELOPMENT  | 93.360           |   |   | 4.107            | _                 | _                |                 |
| COVID-19 - BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE                                   |                  |   |   |                  |                   |                  |                 |
| MEDICAL COUNTERMEASURE DEVELOPMENT  | 93.360           | PHARM OLAM INTERNATIONAL  | V004333                                       | _                | 137,411           | _                | 240,281         |
| NURSING RESEARCH  | 93.361           |   |   | 596,165          | _                 | 108,438          |                 |
| NURSING RESEARCH  | 93.361           | MEDICAL COLLEGE OF WISCONSIN  | 1R56NR019443001 PO:6176443                    | _                | 2,235             | _                |                 |
| NURSING RESEARCH  | 93.361           |   |   | 77,079           | _                 | _                |                 |
| NURSING RESEARCH  | 93.361           |   |   | 475,818          | _                 | 8,161            |                 |
| NURSING RESEARCH  | 93.361           | TOURTEEN OF COLUMNIA LINE FORTY IN THE OTHER DESIGNATION  | ***   | 4,744            |                   | _                |                 |
| NURSING RESEARCH  | 93.361<br>93.361 | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INCORPORATED | NA<br>ZAD00070                                | _                | 20,581<br>6,005   | _                | 1 182 627       |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | UNIVERSITY OF WISCONSIN AT MADISON  | 0000001124                                    | _                | 13.033            | _                | 1,102,027       |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | UNIVERSITY OF WISCONSIN AT MADISON  | 0000001124                                    |                  | 10,348            |                  |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM   | 000511565002                                  |                  | 1.456             | =                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | UNIVERSITY OF UTAH  | 1005561001 POU000287295                       | _                | 26,282            | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 462,579          |                   | 48,644           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 33,512           | _                 | · -              |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | HEALTH RESEARCH INC   | 26801   | _                | 59,655            | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | HEALTH RESEARCH INC   | 292-01  | _                | 39,722            | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 311851 PO811542                               | _                | 4,405             | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 312042 PO0872174                              | _                | 12,977            | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH   | 93.393<br>93.393 | UNIVERSITY OF NEW MEXICO  | 3RCQ4   | 27.271           | 24,352            | 26,973           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH   | 93.393           |   |   | 27,271<br>36,934 | _                 | 26,973           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 323,032          | =                 | 35,607           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 439,370          | _                 | 00,007           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 309,747          | _                 | 121.710          |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 312,354          | _                 | 24,636           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 61,154           | _                 | 58,442           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 6,697            | _                 | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 85,964           | -                 | 37,087           |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 423,285          | _                 | 255,958          |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           |   |   | 35,372           |                   | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH   | 93.393<br>93.393 | DREXEL UNIVERSITY YALE UNIVERSITY   | 900025<br>GR107782 CON-80002141               | _                | 11,073<br>112,558 | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH   | 93.393           | YALE UNIVERSITY YALE UNIVERSITY   | GR107782 CON-80002141<br>GR107782 CON80002141 | _                | 112,558<br>31.583 |                  |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | ABCEUTICS   | NA NA   | _                | 16.399            | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93.393           | RIVERSIDE RESEARCH INSTITUTE  | NYOG01257P01332801                            | _                | 1,304             | _                |                 |
| CANCER CAUSE AND PREVENTION RESEARCH  | 93 393           | UNIVERSITY OF ARKANSAS  | UA2022300                                     | _                | 14 387            | _                | 2 936 805       |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | CEDARS SINAI MEDICAL CENTER   | 0001596871                                    | _                | 20.827            | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | H LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE  | 10210019901G1                                 | _                | 28,670            | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | CARNEGIE MELLON UNIVERSITY  | 1090613-435554                                | _                | 120,854           | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 327,666          | _                 | 10,296           |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 46,146           | _                 | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394<br>93.394 | SOMAGENE  | 1011010500000111                              | 167,298          | 74.05             | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394<br>93.394 | SOMAGENE  | 1R41CA25083301A1                              | 665,051          | 71,604            | 121,039          |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | UNIVERSITY OF ARKANSAS  | 51599 POG220120035                            | 100,000          | 517 211           | 121,039          |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | UNIVERSITY OF ARKANSAS  | 51599/PO#G218700030                           |                  | 105,270           |                  |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | Official Control of Tallotton   | 0100011 01102 101100000                       | 210,708          | 100,270           | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 15.254           | _                 | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 188.204          | _                 | 11.583           |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 140,937          | _                 | 33,264           |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           |   |   | 7,735            | _                 | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | WRIGHT STATE UNIVERSITY   | 6711971                                       | _                | 76,418            | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | HEALTH RESEARCH INC   | 710601  | _                | 4,409             | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | NRG ONCOLOGY FOUNDATION INC   | N/A   | _                | 900               | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | FOR ROBIN INCORPORATED  | NA<br>Booods                                  | _                | 4,783             | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394<br>93.394 | REGENTS OF THE UNIVERSITY OF MINNESOTA  CASE WESTERN RESERVE UNIVERSITY   | P006155601<br>RES511173                       | _                | 134,997<br>13.377 | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394<br>93.394 | CASE WESTERN RESERVE UNIVERSITY CASE WESTERN RESERVE UNIVERSITY   | RES5111/3<br>RES514678                        | _                | 13,377<br>9.635   | _                |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | GEORGIA STATE UNIVERSITY  | SP00013946-02                                 | =                | (453)             |                  |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | GEORGIA STATE UNIVERSITY  | SP0001450202                                  | =                | 26,515            |                  |                 |
| CANCER DETECTION AND DIAGNOSIS RESEARCH   | 93.394           | GEORGIA STATE UNIVERSITY  | SP0001430202                                  | =                | 161.044           |                  | 3.065.060       |
| CANCER TREATMENT RESEARCH   | 93.395           |   |   | 193,526          |                   | 7,151            | 2,222,300       |
| CANCER TREATMENT RESEARCH   | 93.395           |   |   | 111,827          | _                 | _                |                 |
| CANCER TREATMENT RESEARCH   | 93.395           |   |   | 350,884          | _                 | 126,375          |                 |
| CANCER TREATMENT RESEARCH   | 93.395           |   |   | 237,940          | _                 | _                |                 |
| CANCER TREATMENT RESEARCH   | 93.395           |   |   | 25,565           | _                 | _                |                 |
| CANCER TREATMENT RESEARCH   | 93.395           | CONCARLO HOLDINGS LLC   | 1R43CA24397801A1                              | _                | 33,855            | _                |                 |
|   |                  |   |   |                  |                   |                  |                 |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance<br>listing |  |   | Direct             | Pass-<br>through  | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|--|-----------------------|--|---|--------------------|-------------------|--------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name   | Pass-through number                         | expenditures       | expenditures      | to subrecipients   | federal grantor                     |
| RESEARCH AND DEVELOPMENT CLUSTER:<br>CANCER TREATMENT RESEARCH   | 93.395                | CHILDREN'S HOSPITAL OF PHILADELPHIA  | 2U10CA180886                                | s –                | 22,490            | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      |  |   | 359,273<br>903.522 | _                 | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 4,446              | _                 | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      |  |   | 11,888<br>20,915   | _                 | 9,154              |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 119,576            | _                 | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      |  |   | 115,951<br>351.867 | _                 | 72,887<br>125.591  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395                |  |   | 715,382            | =                 | 269,791            |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 296,737            | _                 |                    |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      |  |   | 315,653<br>346,847 | _                 | 177,829            |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 304,881            | _                 | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      |  |   | 93,997<br>16.819   | _                 | 21,280             |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 93,196             | _                 | 20,531             |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE                                     | 611562006887669301                          | 140 524            | 157,064           | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                |  |   | 52,552             | =                 | =                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | EMORY UNIVERSITY   | A403044                                     | 85,985             |                   | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | EMORY UNIVERSITY   | A648370                                     | _                  | 55,419            | =                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | CHILDREN'S HOSPITAL OF PHILADELPHIA  | AHOD1331 U10CA098543                        | _                  | 15,311            | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | ARSENAL MEDICAL INCORPORATED<br>CHILDREN'S HOSPITAL OF PHILADELPHIA                | AM-5965<br>APEC14B1                         | =                  | 139,075<br>10,215 | =                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | PUBLIC HEALTH INSTITUTE  | AR03754                                     | _                  | 38,135            | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | PUBLIC HEALTH INSTITUTE<br>BRIGHAM AND WOMENS HOSPITAL                             | AR04540<br>CALGB ID 323 SITE NY141          | _                  | 10,496<br>36.051  | =                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | BRIGHAM AND WOMENS HOSPITAL  | CALGB51101                                  | _                  | 1,032             | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | ECOG-ACRIN CANCER RESEARCH GROUP PUBLIC HEALTH INSTITUTE                           | N/A<br>N/A                                  | _                  | 5,331<br>700      | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | SOUTHWEST ONCOLOGY GROUP   | N/A   | =                  | 20                | =                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | IMMUNE MODULATORY THERAPIES LLC<br>CONCARLO HOLDINGS LLC                           | NA<br>NA                                    | _                  | 378<br>68.177     | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | NRG ONCOLOGY FOUNDATION INC  | NA  | _                  | 11                | =                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395<br>93.395      | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA                                     | RS2015204501                                | Ξ                  | 76<br>17.365      | _                  |                                     |
| CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH  | 93.395                | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA<br>ECOG-ACRIN CANCER RESEARCH GROUP | RS2015204502<br>U10CA18082007SUNY1C         | =                  | 33,688            | _                  |                                     |
| CANCER TREATMENT RESEARCH  | 93.395                | CHILDREN'S HOSPITAL OF PHILADELPHIA  | U10CA180886                                 | _                  | 34,768            | _                  | 5,974,188                           |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      | PURDUE UNIVERSITY WAKE FOREST UNIVERSITY HEALTH SCIENCES                           | 11000985022<br>1505581108504510710000116599 | _                  | 6,782<br>21.979   | _                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                            | 1GG01760301 POG15134                        | _                  | 362,931           | _                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      |  |   | 63,108<br>58,454   | _                 | =                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                |  |   | 110,480            | _                 | _                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      | ALBERT EINSTEIN COLLEGE OF MEDICINE<br>HEALTH RESEARCH INC                         | 310245<br>40501                             | _                  | 129,845<br>20.904 | _                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                | HEALTH RESEARCH INC  | 43401                                       | =                  | 9,798             | =                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      |  |   | 284,103<br>38,539  | _                 | _                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                |  |   | 298,747            | _                 | _                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                |  |   | 447,959            | _                 | _                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      |  |   | 442,282<br>538,730 | =                 | =                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      |  |   | 277,623<br>395,815 | _                 | -                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396                |  |   | 395,815<br>291.600 | _                 | 57,281             |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                |  |   | 87,823             | _                 | _                  |                                     |
| CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH  | 93.396<br>93.396      |  |   | 196,830<br>159,094 | _                 | =                  |                                     |
| CANCER BIOLOGY RESEARCH  | 93.396                | RENSSELAER POLYTECHNIC INSTITUTE   | A12815                                      | _                  | 118,051           | _                  | 4,361,477                           |
| CANCER CENTERS SUPPORT GRANTS CANCER CENTERS SUPPORT GRANTS  | 93.397<br>93.397      | NORTHWESTERN UNIVERSITY CORIELL INSTITUTE FOR MEDICAL RESEARCH                     | 60057783NYSB<br>A220002S010                 | _                  | 33,609<br>1,180   | =                  | 34.789                              |
| CANCER RESEARCH MANPOWER   | 93.398                |  |   | 4,400              | -                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398<br>93.398      |  |   | (1,219)<br>47,796  | _                 | =                  |                                     |
| CANCER RESEARCH MANPOWER   | 93.398                |  |   | 50,309             | _                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398<br>93.398      |  |   | 29,739<br>25,942   | _                 | =                  |                                     |
| CANCER RESEARCH MANPOWER   | 93.398                |  |   | 29,838             | _                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398<br>93.398      |  |   | 28,580<br>28,956   | _                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398                |  |   | 27,997             | _                 | =                  |                                     |
| CANCER RESEARCH MANPOWER   | 93.398<br>93.398      |  |   | 29,904<br>23.947   | _                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398                |  |   | 23,947<br>154.531  | _                 | _                  |                                     |
| CANCER RESEARCH MANPOWER   | 93.398                |  |   | 138,268            | -                 | _                  |                                     |
| CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER  | 93.398<br>93.398      |  |   | 26,635<br>117.313  | =                 | =                  | 762.936                             |
| COVID-19 - NON-ACA/PPHF-BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE   |                       |  |   | ,_10               |                   |                    |                                     |
| POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH                               | 93.424<br>93.433      | JOHNS HOPKINS UNIVERSITY CARNEGIE MELLON UNIVERSITY                                | 2005209526<br>1090679425294                 | _                  | 5,147<br>195,107  | =                  | 5,147                               |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH  | 93.433                | TOUCH GRAPHICS INCORPORATED  | 19152                                       | =                  | 62,187            | =                  |                                     |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH<br>ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH | 93.433<br>93.433      | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  | 5122554                                     | 91.341             | 152,118           | _                  |                                     |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH  | 93.433                |  |   | 14,568             | _                 | _                  |                                     |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH<br>ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH | 93.433<br>93.433      |  |   | 172,174<br>312.893 | _                 | 36,255             |                                     |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH  ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH   | 93.433<br>93.433      | UNIVERSITY OF MASSACHUSETTS WORCESTER  | WA01057359                                  | 312,893            | 65,563            | =                  |                                     |
|  |                       |  |   |                    |                   |                    |                                     |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name                                       | Pass-through number                     | Direct expenditures  | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|--|---|----------------------|----------------------------------|--|--|
| RESEARCH AND DEVELOPMENT CLUSTER:  |                                 |  |   | _                    |                                  |  |  |
| ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH FAMILY VIOLENCE PREVENTION AND SERVICES/DISCRETIONARY  | 93.433<br>93.592                | UNIVERSITY OF MASSACHUSETTS WORCESTER RETREAT INCORPORATED     | WA01234876<br>90EV04600100              | s <u> </u>           | 88,479<br>13,068                 | _                                      | 1,154,430  |
| FAMILY VIOLENCE PREVENTION AND SERVICES/DISCRETIONARY  | 93.592                          | RETREAT INCORPORATED   | 90EV04600200                            | =                    | 19,380                           | _                                      | 32,448   |
| AFFORDABLE CARE ACT STATE HEALTH INSURANCE ASSISTANCE PROGRAM (SHIP) AND AGING AND   |                                 |  |   |                      |                                  |  |  |
| DISABILITY RESOURCE CENTER (ADRC) OPTIONS COUNSELING FOR MEDICARE-MEDICAID INDIVIDUALS   |                                 |  |   | 517,322              | _                                | 430,413                                |  |
| IN STATES WITH APPROVED FINANCIAL ALIGNMENT MODELS AFFORDABLE CARE ACT STATE HEALTH INSURANCE ASSISTANCE PROGRAM (SHIP) AND AGING AND        | 93.626                          |  |   |                      |                                  |  |  |
| DISABILITY RESOURCE CENTER (ADRC) OPTIONS COUNSELING FOR MEDICARE-MEDICAID INDIVIDUALS   |                                 |  |   |                      |                                  |  |  |
| IN STATES WITH APPROVED FINANCIAL ALIGNMENT MODELS   | 93.626                          |  |   | 340,965              | _                                | 280,613                                | 858,287  |
| CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION   | 93.648                          | OVER CHASE THE PERCENT   | 0000000044004                           | 379,369              | -                                | 327,071                                | 379,369  |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS<br>SECTION 223 DEMONSTRATION PROGRAMS TO IMPROVE COMMUNITY MENTAL HEALTH SERVICES | 93.732<br>93.829                | SYRACUSE UNIVERSITY CENTRAL NASSAU GUIDANCE AND COUNSELING     | 3226805944S01<br>NA                     |                      | 21,608<br>136,770                |  | 21,608<br>136,770                                      |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | FRED HUTCHINSON CANCER RESEARCH CENTER                         | 0001053501                              | _                    | 5,233                            | _                                      | 100,770  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | FRED HUTCHINSON CANCER RESEARCH CENTER                         | 0001086036                              | _                    | 17,462                           | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                | MOUNT SINAI SCHOOL OF MEDICINE DUKE UNIVERSITY                 | 025529584609<br>177494/218214/226028    | _                    | 117,273<br>39                    | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.637                          | NEW YORK UNIVERSITY SCHOOL OF MEDICINE                         | 18A0001001609                           | _                    | 272.198                          | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | NEW TORK OWNEROUS POSTOGE OF MEDIONE                           | 10/100/100/100                          | 84,591               | -                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 102,202              | _                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                |  |   | 216,404<br>130.905   | _                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | POLYNOVA CARDIOVASCULAR INCORPORATED                           | 2R41HL134418                            | 130,905              | 129,832                          | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | ALBERT EINSTEIN COLLEGE OF MEDICINE                            | 311554 PO819122                         | _                    | 5,166                            | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | HEALTH RESEARCH INC  | 39801                                   |                      | 3,527                            |  |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                | KENT COUNTY MEMORIAL HOSPITAL                                  | 5001381WACTAWSKIWENDE                   | 758,303              | 15 668                           | 295,494                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | KENT COUNTY MEMORIAL HOSPITAL                                  | 500173103SUNY                           | _                    | 32.794                           |  |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                     | 578977                                  | _                    | 42,023                           | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                |  |   | 150,484<br>398.008   | _                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH  | 93.837                          |  |   | 398,008<br>561,679   | _                                | 351,460                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 255,488              | =                                | 331,400                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 642,684              | _                                | 419,525                                |  |
| CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH  | 93.837<br>93.837                |  |   | 567,282<br>275.019   | -                                | 369,857                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 483,287              | _                                | 136,303                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 258,603              | _                                |  |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 233,050              | _                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                |  |   | (875)<br>321,206     | _                                | (810)<br>76,756                        |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 155.502              | =                                | 4.320                                  |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 497,196              | _                                | 303,871                                |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          |  |   | 28,835               | _                                | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                |  |   | 1,722,526<br>442,372 |                                  |  |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK             | CM0000050403                            | 442,572              | 17,291                           | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK             | CM0000050404                            | _                    | 188,813                          | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                | YALE UNIVERSITY<br>CHILDRENS HOSPITAL OF BOSTON                | CON80003249 GR114427<br>GENFD0002086122 | _                    | 750<br>127,152                   | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS      | GMO161105 PO RGC000000733               | =                    | 17,326                           | =                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | YALE UNIVERSITY  | GR107814 CON80001978                    | _                    | 1,907                            | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH   | 93.837                          | NEW ENGLAND RESEARCH INSTITUTE                                 | N/A<br>NA                               | _                    | 125                              | _                                      |  |
| CARDIOVASCULAR DISEASES RESEARCH<br>CARDIOVASCULAR DISEASES RESEARCH   | 93.837<br>93.837                | CYTOCYBERNETICS BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA | NA<br>RS2019048101                      |                      | 32,697<br>6.622                  |  | 9,318,649  |
| LUNG DISEASES RESEARCH   | 93.838                          | UNIVERSITY OF RHODE ISLAND                                     | 0008871102720B                          | _                    | 25,736                           | _                                      | -,,  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 31,484               | _                                | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 299,574              | _                                | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838<br>93.838                | LINIVERSITY OF VERMONT   | 32773SUB52552                           | 27,261               | 254 636                          | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          | HEKTOEN INSTITUTE FOR MEDICAL RESEARCH                         | 50636R01SUNY01                          | _                    | 3,248                            | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 52,108               | _                                | _                                      |  |
| LUNG DISEASES RESEARCH<br>LUNG DISEASES RESEARCH   | 93.838<br>93.838                |  |   | 174,326<br>11.716    | _                                | =                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 119.800              |                                  |  |  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 115,656              | _                                | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          |  |   | 506,914              | _                                | _                                      |  |
| LUNG DISEASES RESEARCH<br>LUNG DISEASES RESEARCH   | 93.838<br>93.838                | RESEARCH INSTITUTE AT NATIONWIDE CHILDRENS HOSPITAL            | 700157122100                            | 377,479              | 31.696                           | _                                      |  |
| COVID-19 - LUNG DISEASES RESEARCH  | 93.838                          | UNIVERSITY OF COLORADO   | FY221126031/PO#FY221126031              | _                    | 1,015,503                        |  |  |
| LUNG DISEASES RESEARCH   | 93.838                          | ILLEXCOR THERAPEUTICS  | N/A                                     | _                    | 11,867                           | _                                      |  |
| LUNG DISEASES RESEARCH   | 93.838                          | DUKE UNIVERSITY  | PO4550568793                            | _                    | 1,746                            | _                                      |  |
| LUNG DISEASES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH   | 93.838<br>93.839                | REGENTS OF THE UNIVERSITY OF MICHIGAN                          | SUBK00014494                            | 651,313              | 378                              | 88,116                                 | 3,061,128  |
| BLOOD DISEASES AND RESOURCES RESEARCH  | 93.839                          | ALTERNA THERAPEUTICS INCORPORATED                              | 20192                                   | - 001,010            | 30,704                           |  |  |
| BLOOD DISEASES AND RESOURCES RESEARCH  | 93.839                          |  |   | 153,170              | _                                | _                                      |  |
| BLOOD DISEASES AND RESOURCES RESEARCH  | 93.839                          | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL                    | 5111803                                 | 400.540              | 72,519                           | _                                      |  |
| BLOOD DISEASES AND RESOURCES RESEARCH<br>BLOOD DISEASES AND RESOURCES RESEARCH   | 93.839<br>93.839                |  |   | 102,549<br>460       | _                                | _                                      |  |
| BLOOD DISEASES AND RESOURCES RESEARCH  | 93.839                          |  |   | 243,498              | =                                | =                                      |  |
| BLOOD DISEASES AND RESOURCES RESEARCH  | 93.839                          |  |   | 148,212              | _                                | 99,577                                 |  |
| BLOOD DISEASES AND RESOURCES RESEARCH<br>TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES,                    | 93.839                          |  |   | 201,774              | _                                | _                                      | 1,604,199  |
| AND SLEEP DISORDERS  | 93.840                          |  |   | 706,590              | _                                | _                                      | 706.590  |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846                          | BRIGHAM AND WOMENS HOSPITAL                                    | 117004                                  |                      | 315,095                          | _                                      | 700,000  |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846                          | BRIGHAM AND WOMENS HOSPITAL                                    | 121918                                  | _                    | 34,327                           | _                                      |  |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846                          | CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE OF CWRU            | 1337SUB                                 | _                    | 102,028                          | _                                      |  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance       |   |  |                    | Pass-             | Passed-          | Total<br>expenditures |
|--|------------------|---|--|--------------------|-------------------|------------------|-----------------------|
|  | listing          |   |  | Direct             | through           | through          | by ALN and            |
| Federal grantor/federal subdivision or pass-through grantor  | number           | Pass-through entity name  | Pass-through number                      | expenditures       | expenditures      | to subrecipients | federal grantor       |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                  |   |  |                    |                   |                  |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846<br>93.846 |   |  | \$ 5,184           | _                 |                  |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH<br>ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH   | 93.846           |   |  | 171,280<br>206,327 | =                 | 29,754           |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 1,834              | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 654,137            |                   | 57,258           |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846<br>93.846 | SYRACUSE UNIVERSITY   | 3095405550S01                            | 337,475            | 6,098             | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 262,950            | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 2,545              | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH<br>ARTHRITIS. MUSCULOSKELETAL AND SKIN DISEASES RESEARCH   | 93.846<br>93.846 |   |  | 246,028<br>348,948 | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 407,432            | =                 |                  |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | (15,249)           | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846<br>93.846 |   |  | 468                | _                 | _                |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH<br>ARTHRITIS. MUSCULOSKELETAL AND SKIN DISEASES RESEARCH   | 93.846           |   |  | 14,311<br>155.538  | =                 |                  |                       |
| ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH  | 93.846           |   |  | 425,363            | _                 | _                | 3,682,119             |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 000518751-SP005-001                      | _                  | (2,696)           | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                    | 93.847           | GEORGE WASHINGTON UNIVERSITY  | 025544764605<br>17D11                    |                    | 103,676           |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | CEGICE WAS INCOMMENSATI   |  | 20,147             | -                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 409,510            | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 133,686<br>450,489 | -                 | 10,967           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMIDRAL RESEARCH  DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMIDRAL RESEARCH                                 | 93.847           |   |  | 64.353             | _                 | 10,967           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 351,639            | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 179,317<br>4.761   | -                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                     | 93.647           |   |  | 24,049             | _                 | 1,515            |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | UNIVERSITY OF SOUTH FLORIDA   | 1U01DK61055                              |                    | 18,565            |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | NEW YORK UNIVERSITY SCHOOL OF MEDICINE  | 20A1001002209                            | _                  | 18,868            | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY  JAEB CENTER FOR HEALTH RESEARCH INCORPORATED         | 213429<br>2157                           |                    | 40,286<br>109,837 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | SYRACUSE UNIVERSITY   | 3182105885S01                            | _                  | 68,585            | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GEORGIA ON BEHALF OF AUGUSTA I                       | 3230795                                  | _                  | 57,830            | 2,475            |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | UNIVERSITY OF CONNECTICUT MCLEAN HOSPITAL CORPORATION   | 378748<br>401536                         | =                  | 27,183<br>25.578  |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV   | 41267419B88                              | _                  | 10,297            | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 578136                                   | _                  | 740               | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 32,488<br>2,922    | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 155,137            | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 27,060             | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                    | 93.847<br>93.847 |   |  | 317,663<br>149.483 | _                 | 18,305           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMIDRAL RESEARCH  DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMIDRAL RESEARCH                                 | 93.847           |   |  | 26.745             | _                 | 10,303           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 24,635             | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 191,638<br>1.834   | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                     | 93.647           |   |  | 176.568            | _                 | 1.230            |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 43,322             | _                 |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 320,843            | _                 | 50,850           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 370,856<br>360,299 | =                 | 69,671           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 521,706            | _                 | 237,235          |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 392,186            | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 |   |  | 379,323<br>492.333 | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 387,370            | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           |   |  | 642                | _                 | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | UNIVERSITY OF TENNESSEE   | A190917S003                              | 423,381            | 30.453            |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | UNIVERSITY OF CALIFORNIA AT DAVIS   | A220835S001                              | _                  | 6,298             | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | TRANSONIC SYSTEM INCORPORATED   | NA                                       | _                  | 2,743             | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | FREEFLOW MEDICAL DEVICES REGENTS OF THE UNIVERSITY OF MINNESOTA                                   | NA<br>P00805291                          | _                  | 9,089<br>22,872   | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | ALBERT EINSTEIN COLLEGE OF MEDICINE   | P0885863                                 | =                  | 22,993            | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | JAEB CENTER FOR HEALTH RESEARCH INCORPORATED  | R01DK121240GLUCOG                        | _                  | 7,458             | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | KAISER FOUNDATION RESEARCH INSTITUTE GEORGE WASHINGTON UNIVERSITY                                 | RNG21069002<br>SGRD1920LL21              | _                  | 5,232<br>118.651  | 38.996           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                     | 93.647           | GEORGE WASHINGTON UNIVERSITY  | SGRD1920LL21<br>SGRD2122LL21             | _                  | 16.984            | 30,990           |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | GEORGE WASHINGTON UNIVERSITY  | STOPP2D 2U01DK06123008                   | _                  | (79)              | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH<br>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                 | 93.847<br>93.847 | PENNSYLVANIA STATE UNIVERSITY   | SUNYDK088244<br>TIE198003B               | _                  | 115,315<br>7.850  | _                |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH                                    | 93.847           | NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION UNIVERSITY OF FLORIDA                    | UFDSP00011363                            | =                  | 105,215           |                  |                       |
| DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH   | 93.847           | UNIVERSITY OF WASHINGTON  | UWSC11902                                | _                  | 5,953             | 2,768            | 7,392,800             |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853<br>93.853 | UNIVERSITY OF CINCINNATI  | 010785136420                             | _                  | 17,894<br>2.089   | _                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853 | UNIVERSITY OF CINCINNATI UNIVERSITY OF CINCINNATI   | 011266134236- MOST STUDY<br>011337134236 | =                  | 2,089<br>33.873   | _                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF CINCINNATI  | 011337136420                             | _                  | 2,130             | _                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF CINCINNATI  | 012765140417/ PO#4600003862              | _                  | 2,820             | _                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853 |   |  | 983<br>25.099      | _                 | _                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |  | 326,734            | _                 | =                |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |  | 623,016            | _                 | 157,059          |                       |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |  | 449,950            | _                 | _                |                       |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                  |   |                         |                    |              |                  | Total           |
|--|------------------|---|-------------------------|--------------------|--------------|------------------|-----------------|
|  | Assistance       |   |                         |                    | Pass-        | Passed-          | expenditures    |
|  | listing          |   |                         | Direct             | through      | through          | by ALN and      |
| Federal grantor/federal subdivision or pass-through grantor  | number           | Pass-through entity name  | Pass-through number     | expenditures       | expenditures | to subrecipients | federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                  |   |                         |                    |              |                  |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | \$ 522,654         | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 10,602             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 6,591              | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 20,605             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853<br>93.853 |   |                         | 3,839<br>41.303    | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853           |   |                         | 41,303<br>19.032   | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 155.282            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 33.708             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 104,415            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 81.703             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 93,744             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 70,197             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 114,405            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 107,497            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 209,452            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 48,348             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 31,498             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853 |   |                         | 156,240<br>45.577  | _            |                  |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 45,577<br>36.308   | _            | 25,272           |                 |
| EXTRAMIDRAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMIDRAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.653           |   |                         | 79 676             | _            | 3.320            |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 80.745             |              | 3,320            |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 382.548            | _            | 113,133          |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | MEDICAL COLLEGE OF WISCONSIN                                    | 1R61NS11620301          |                    | 4.998        |                  |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 31,927             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 349,088            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 369,314            | _            | 17,952           |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 923,689            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON                 | 228594301               | _                  | 49,313       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 122,078            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 476,330            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS    | 93.853<br>93.853 |   |                         | 169,238            | _            | _                |                 |
| EXTRAMIDRAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMIDRAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.653           | UNIVERSITY OF ROCHESTER   | 417450                  | 88,344             | 11.034       | _                |                 |
| EXTRAMORAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMORAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF ROCHESTER   | 417450URFAOGR510524     | _                  | 54.488       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF ROCHESTER   | 417451                  | _                  | 16.172       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93 853           | UNIVERSITY OF ROCHESTER   | 417451UREAOGR510857     | _                  | 48 015       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF ROCHESTER   | 417848GURFAOGR505009    | _                  | 36,954       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 999                |              | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 25,584             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 30,195             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK         | 5GG01200604 SAPO:G15667 | _                  | 5,000        | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 32,004             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853           |   |                         | 405,616            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853<br>93.853 |   |                         | 131,127<br>314 180 | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 534,466            | _            | 213.624          |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 150.374            | _            | 66,904           |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 65.614             | _            |                  |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 175,498            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 1,631              | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 56,936             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 53,834             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 55,809             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 501,048            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 430,929            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS    | 93.853<br>93.853 |   |                         | 231,862<br>287 987 | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.653           |   |                         | 469,909            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 489,674            |              | 41,417           |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 267,501            | _            | · –              |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 354,333            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 323,092            | _            | 15,034           |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 304,222            | _            | 44               |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 359,976            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 312,331            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 459,415            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853 |   |                         | 188,941<br>132.744 | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.653           |   |                         | 1736               | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.653           |   |                         | (716)              | _            | _                |                 |
| EXTRAMORAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMORAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 210,740            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 67.433             |              |                  |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 19,272             | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 137,364            | _            | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | BAYLOR COLLEGE OF MEDICINE                                      | 7000001509              |                    | 76,918       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           |   |                         | 66,995             |              | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | MEMORIAL SLOAN KETTERING CANCER CENTER                          | BD525685B               | _                  | 154,335      | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | VIRGINIA COMMONWEALTH UNIVERSITY                                | FP00008389SA002         | _                  | 66,760       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS       | GMO181203PO000001374D   | _                  | 84,221       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS       | GMO181203PO000001374E   | _                  | 119,147      | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853 | VIRGINIA COMMONWEALTH UNIVERSITY MASSACHUSETTS GENERAL HOSPITAL | N/A<br>NN110            | _                  | 10,059       | _                |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853<br>93.853 | MAGGAURUGETTO GENERAL HUSPITAL                                  | NN11U                   | 255,902            | 4,020        | 92.958           |                 |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853           | UNIVERSITY OF FLORIDA   | SUB00002529             | 200,902            | 11.247       | 92,930           |                 |
|  | 55.555           |   | 0000002020              | _                  | ,2-41        |                  |                 |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                   |   |                                  |                        |                         |                             | Total                         |
|--|-------------------|---|----------------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
|  | Assistance        |   |                                  |                        | Pass-                   | Passed-                     | expenditures                  |
| For dead assessment of the dead as held in the second described assessment   | listing<br>number | Deep through putits name  | Dane through number              | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| Federal grantor/federal subdivision or pass-through grantor  | number            | Pass-through entity name  | Pass-through number              | expenditures           | expenditures            | to subrecipients            | tederal grantor               |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                   |   |                                  |                        |                         |                             |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853            | UNIVERSITY OF FLORIDA   | SUB00002586                      | \$ —                   | 16,471                  | _                           |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853            | UNIVERSITY OF FLORIDA   | SUB00002881                      | _                      | 11,798                  | _                           |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853            | UNIVERSITY OF FLORIDA   | SUB00002888                      | _                      | 98,377                  | _                           |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS<br>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS | 93.853<br>93.853  | REGENTS OF THE UNIVERSITY OF MICHIGAN MAYO CLINIC JACKSONVILLE                              | SUBK00004096ESETT<br>SUN18727601 | _                      | (1,269)<br>15,023       | =                           |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853            | PENNSYLVANIA STATE UNIVERSITY   | SUNYNS115942                     | _                      | 122,361                 | _                           |                               |
| EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS  EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS   | 93.853            | MASSACHUSETTS GENERAL HOSPITAL  | U24NS10719203                    | _                      | 2.594                   |                             | 15,395,158                    |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER   | 00004312/PO#3001172947           | _                      | (149)                   | _                           | 10,000,100                    |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | FRED HUTCHINSON CANCER RESEARCH CENTER  | 0001041476                       | _                      | 1.749                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | FRED HUTCHINSON CANCER RESEARCH CENTER  | 0001041494                       | _                      | 66,592                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | FRED HUTCHINSON CANCER RESEARCH CENTER  | 0001041991                       | _                      | 568,707                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | FRED HUTCHINSON CANCER RESEARCH CENTER  | 0001062456                       | _                      | 194,134                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | FRED HUTCHINSON CANCER RESEARCH CENTER  | 0001063509                       | _                      | 21,434                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF RHODE ISLAND  | 000677710312018                  | _                      | 25,272                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF RHODE ISLAND  | 000749110102018                  | _                      | 256,512                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | TUFTS UNIVERSITY REGENTS OF THE UNIVERSITY OF CALIFORNIA LOS ANGELES                        | 100842-00001 PO# EP0181120       | _                      | 3,966                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMLINOLOGY AND TRANSPLANTATION RESEARCH   | 93.855<br>93.855  | REGENTS OF THE UNIVERSITY OF CALIFORNIA LOS ANGELES REGENTS OF THE UNIVERSITY OF CALIFORNIA | 1560BWA789 A5359<br>1560BYB817   | _                      | 3,405<br>7,909          | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | REGENTS OF THE UNIVERSITY OF CALIFORNIA LOS ANGELES   | 1560GYC578                       | _                      | 179,551                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS                                   | 160504                           | _                      | 123.520                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | REGENTS OF THE UNIVERSITY OF CALIFORNIA LOS ANGELES   | 1650GYA545                       | _                      | 197.562                 | _                           |                               |
| ALLERGY IMMUNOLOGY AND TRANSPI ANTATION RESEARCH   | 93.855            | REGENTS OF THE UNIVERSITY OF CALIFORNIA EOS ANGELES   | 10300175043                      | 492 341                | 187,302                 |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 115,083                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 300.477                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 137.387                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 75,004                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 179,826                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 21,230                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 32,884                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 87,271                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 63,560                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 54,872                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            |   |                                  | 171,198                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH<br>COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855  |   |                                  | 206,572<br>16.405      | _                       | _                           |                               |
| COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH<br>COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH                                   | 93.855            |   |                                  | 16,405                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            |   |                                  | 128.913                | =                       | 22,425                      |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLAN TATION RESEARCH  | 93.655            |   |                                  | 11 134                 | _                       | 22,425                      |                               |
| COVID-19 - AILLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 6.920                  |                         |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 5,534                  | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 3.665                  | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 9,277                  | _                       | 6,880                       |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 86,056                 | _                       |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 46,051                 | _                       | _                           |                               |
| COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            | LEIDOS  | 200013 21CTADM0012               | _                      | 19,000                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON   | 208498101                        | _                      | 87,865                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | WHITMAN-WALKER INSTITUTE, INCORPORATED  | 21804002                         | _                      | 18,160                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY   | 220952                           | 40.000                 | 6,040                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855  |   |                                  | 46,826                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 31121B                           | 393,437                | 22.293                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            | ALBERT EINSTEIN COLLEGE OF MEDICINE ALBERT EINSTEIN COLLEGE OF MEDICINE                     | 31121D                           | _                      | 13.346                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 311281 P0868619                  |                        | 162,753                 |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 311281 P0880502                  | _                      | 23,152                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | ALBERT EINSTEIN COLLEGE OF MEDICINE   | 31614J                           | _                      | 2,726                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | UNIVERSITY OF ROCHESTER   | 417028G                          | _                      | 66,707                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | MAGEE-WOMENS RESEARCH INSTITUTE AND FOUNDATION  | 4696SUNY                         | _                      | 230,585                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | HEALTH RESEARCH INC   | 561301                           | _                      | 25,659                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            | HEALTH RESEARCH INC   | 583901                           | _                      | 40,977                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 51,546                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855<br>93.855  |   |                                  | 64,803<br>137,494      | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855  |   |                                  | 137,494<br>163,382     | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855            |   |                                  | 163,382<br>449.475     |                         | 188.133                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 139.099                | _                       | 100,133                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 121,949                |                         |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 336,560                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 277,829                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 370,041                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 993                    | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 718,929                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | (3,125)                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 223,713                | _                       |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 107,518<br>31 399      | _                       | 2,067                       |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMLINOLOGY AND TRANSPLANTATION RESEARCH   | 93.855<br>93.855  |   |                                  | 31,399<br>27.577       | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855  |   |                                  | 27,577                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855  |   |                                  | 482<br>279.403         | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 510.115                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 386.903                | =                       | 136.600                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 388,589                | _                       | ,                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 304,939                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 231,227                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 530,122                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 386,021                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH   | 93.855            |   |                                  | 402,385                | _                       | _                           |                               |
|  |                   |   |                                  |                        |                         |                             |                               |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance       |   |                              |                        | Pass-                   | Passed-                     | Total<br>expenditures         |
|---|------------------|---|------------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor                                       | listing          | Pass-through entity name                                    | Pass-through number          | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                  | r accounting name   | r aboundagn namba            | схропакагоз            | ехрепаниев              | to subrecipients            | loudrai grantoi               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | \$ 637,489             | _                       | 382,952                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 546,026                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 413,969                | _                       | 205,545                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 979,073                | _                       | 673,778                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855 |   |                              | 560,703                | _                       | 356,887                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855<br>93.855 |   |                              | 372,655<br>509,440     | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 218.588                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 10,719                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 8,399                  | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 272                    | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 107,883                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 5,138                  | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855           |   |                              | 776<br>131.543         | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855 |   |                              | 131,543                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 160,000                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 163                    | _                       | =                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 148.110                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 94,076                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 231,325                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 118,215                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 153,864                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 93,550                 | _                       | 8,423                       |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855<br>93.855 |   |                              | 162,733<br>107.062     | _                       | =                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.655           |   |                              | 61 195                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 196.788                | _                       | =                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 135,104                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 49,830                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 148,703                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 31,150                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 608601                       | _                      | 8,195                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 639701                       | _                      | 24,155                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855<br>93.855 | HEALTH RESEARCH INC<br>HEALTH RESEARCH INC                  | 653401<br>654301             | _                      | 40,977<br>42.074        | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855 | HEALTH RESEARCH INC<br>HEALTH RESEARCH INC                  | 654301<br>664101             | _                      | 42,074<br>56 244        | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 665201                       |                        | 9,929                   |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 665202                       | _                      | 31.048                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 683701                       | _                      | 37,704                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | HEALTH RESEARCH INC   | 712701                       | _                      | 1,467                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 269,860                | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 29,642                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | (22,028)               |                         | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855<br>93.855 | MAGEE-WOMENS RESEARCH INSTITUTE AND FOUNDATION              | 9167<br>94044963             | _                      | 41,946<br>91.020        | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855           | UNIVERSITY OF SOUTHERN CALIFORNIA<br>DUKE UNIVERSITY        | 94044963<br>A034260SPS261113 | _                      | 16.237                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | EMORY UNIVERSITY  | A412947                      | =                      | 101.540                 |                             |                               |
| COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH                                       | 93.855           | EMORY UNIVERSITY  | A637362                      | _                      | 3,423                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | UNIVERSITY OF MARYLAND BALTIMORE                            | F3014883                     | _                      | 183,889                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 30,686                 |                         | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON               | FY22ITN546                   | _                      | 5,292                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | COLORADO STATE UNIVERSITY                                   | G0604801                     | _                      | 41,224                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | REGENTS OF THE UNIVERSITY OF MINNESOTA                      | H009053301                   |                        | 161,138                 | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 254,410                |                         | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855<br>93.855 | JOHNS HOPKINS UNIVERSITY<br>KATHERA BIOSCIENCE INCORPORATED | IMPAACT<br>N/A               | _                      | 744,019<br>29,253       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | POP BIOTECHNOLOGIES INCORPORATED                            | NA<br>NA                     | _                      | 3,321                   | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | FAMILY HEALTH INTERNATIONAL                                 | PO21000818                   | _                      | 67,816                  | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | •   |                              | 166,071                |                         | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 445,394                | _                       | 145,321                     |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 50,791                 | _                       | _                           |                               |
| COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH                                       | 93.855           |   |                              | 59,635                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           |   |                              | 141,503                | _                       |                             |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH | 93.855<br>93.855 |   |                              | 50,397<br>110.474      | _                       | 33,976                      |                               |
| COVID-19 - ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH                                       | 93.855<br>93.855 |   |                              | 66,297                 | _                       | _                           |                               |
| ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH  | 93.855           | UNIVERSITY OF ROCHESTER                                     | SUB00000123URFAOGR531299     | 00,297                 | 86,577                  | _                           | 21,723,880                    |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           | MOUNT SINAI SCHOOL OF MEDICINE                              | 0255-6993-4609               | =                      | 55.005                  |                             | 21,120,000                    |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           | MOUNT SINAI SCHOOL OF MEDICINE                              | 0255G0014609                 | _                      | 18.862                  | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           | MOUNT SINAI SCHOOL OF MEDICINE                              | 0255G0714609                 | _                      | 12,245                  | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 11,777                 |                         | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 25,842                 | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 1,313                  | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           | COLUMBIA UNIVERSITY   | 1GG01366401 PO#G14103        | _                      | 2,054                   | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING            | 93.859<br>93.859 | COLUMBIA UNIVERSITY   | 1GG01686301 SAPO:G15476      | 472.605                | 42,119                  | 200 522                     |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING            | 93.859<br>93.859 |   |                              | 473,605<br>280,042     | _                       | 286,533                     |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING               | 93.859           |   |                              | 254.288                | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 271,829                | =                       |                             |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 123,875                | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 327,848                | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 310,402                | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 191,245                | _                       | 20,319                      |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 8,230                  | _                       | _                           |                               |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859           |   |                              | 92,865                 | _                       | _                           |                               |
|   |                  |   |                              |                        |                         |                             |                               |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                  |   |                     |                    |              |                  | Total           |
|--|------------------|---|---------------------|--------------------|--------------|------------------|-----------------|
|  | Assistance       |   |                     |                    | Pass-        | Passed-          | expenditures    |
|  | listing          |   |                     | Direct             | through      | through          | by ALN and      |
| Federal grantor/federal subdivision or pass-through grantor                            | number           | Pass-through entity name                    | Pass-through number | expenditures       | expenditures | to subrecipients | federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:  |                  |   |                     |                    |              |                  |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | \$ 305,022         | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 193,697            | _            | 79,478           |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 34,131             | _            |                  |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 19,783             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 127,552            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 91,256             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 36,161             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 39,467             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 185,735            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 124,965            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 124,284            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 81,738             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 81,740             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 449,809            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 404,249            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 331,355            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 525,561            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 360,001            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 302,243            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 400,493            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 282,482            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 70,904             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 143,904            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 75,154             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 149,809            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 7,684              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 68,276             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 12,204             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 137,134            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 215,165            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 23,496             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 225,215            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 7,213              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 287,091            | _            |                  |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 83,173             | _            | 14,484           |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 6,363              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 171,388            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 783,519            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859<br>93.859 |   |                     | 173,704            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  |                  | OVERAGINE UNIVERSITY                        | 00705050004         | 30,112             | 05.540       | =                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           | SYRACUSE UNIVERSITY                         | 3079505389S01       | _                  | 25,518       | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING | 93.859<br>93.859 | SYRACUSE UNIVERSITY                         | 31894-05994-S01     | 400.440            | 8,892        | _                |                 |
|  |                  |   |                     | 488,110            | _            |                  |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859<br>93.859 |   |                     | 512,389<br>483.009 | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING | 93.859           |   |                     | 483,009<br>445,263 | =            | =                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING    | 93.659           |   |                     | 66,148             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | 5117367             | 00,140             | 108.488      | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | 5121024             | _                  | 87,907       | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           | HEALTH RESEARCH INC                         | 579501              |                    | 21,298       | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           | TEACHTRESEARCHING                           | 378301              | 2.222              | 21,200       | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 20,901             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 2,918              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 501 793            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | (351)              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 13                 | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93 859           |   |                     | 163 940            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 33.023             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 108,832            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 83,030             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 277,367            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 1,200              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 126,268            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 324,659            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 74,378             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 228,103            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 233,003            | _            | 68,558           |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 360,577            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 266,217            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 313,526            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 275,783            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 310,854            | _            | 309,157          |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 181,377            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 391,210            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 222,341            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 288                | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 5,231              | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 11,691             | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 352,030            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 127,152            | _            |                  |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 291,112            | _            | 9,780            |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING  | 93.859           |   |                     | 244,353            | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING | 93.859<br>93.859 |   |                     | 162,170<br>146,977 | _            | _                |                 |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING | 93.859           |   |                     | 146,977<br>85.404  | _            | _                |                 |
| SIGNEDIO, E RESERVOI FAID RESERVOIT ITAINING   | 83.038           |   |                     | 03,404             | _            | _                |                 |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                   |  |                     |                        |                         |                             | Total                      |
|---|-------------------|--|---------------------|------------------------|-------------------------|-----------------------------|----------------------------|
|   | Assistance        |  |                     | Disease                | Pass-                   | Passed-                     | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor   | listing<br>number | Pass-through entity name                       | Pass-through number | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                   |  |                     |                        |                         |                             |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | \$ 445,562             | _                       | 160,476                     |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 14,769                 | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 263,982                | _                       | 67,626                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859<br>93.859  |  |                     | 146,924<br>213.834     | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 250,698                |                         |                             |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 317.408                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 475,295                | _                       | 148,349                     |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 273,552                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | 308,589<br>239,525     | _                       | 14,911                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 309.671                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 124,596                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 309,841                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 288,445                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859<br>93.859  |  |                     | 95,447<br>69,649       | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 138.377                |                         |                             |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 301.628                | _                       | 58,246                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 354,798                | _                       | -                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 117,685                | _                       | 8,920                       |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 31,107                 | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | (816)                  | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 568,261<br>9.434       | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 482,488                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 570,093                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 127,468                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 445,111                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | 331,286<br>290,531     | _                       | -                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 373.973                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 485,440                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 466,368                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 291,555                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859<br>93.859  |  |                     | 329,619<br>341,706     | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859            |  |                     | 341,706                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.659            |  |                     | 394 539                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 1,109,952              | _                       | 304,987                     |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 7,281                  | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 271,490                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859<br>93.859  |  |                     | 800,527<br>182         | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 226,108                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 3.462                  | _                       |                             |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 124,201                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 6,180                  | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 227,806                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | 81,786<br>271.485      | _                       | =                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 122,139                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | NORTHWESTERN UNIVERSITY                        | 60057894SUNYB       |                        | 25,339                  | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | OHIO STATE UNIVERSITY                          | 60060541            | _                      | 17,500                  | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | HEALTH RESEARCH INC                            | 694501              | _                      | 12,293                  | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  | HEALTH RESEARCH INC                            | 712101              | 605                    | 2,493                   | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 512,650                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | UNIVERSITY OF MARYLAND                         | 89648Z0317201       | - 0.2,000              | 110,735                 | =                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | TAMBO INCORORATED                              | EXHIBITA1           | _                      | 17,123                  | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | LONGWAVE PHOTONICS                             | NA<br>Overseen      | _                      | 29,900                  | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  | OCCIDENTAL COLLEGE                             | OXY000001           | 91 936                 | 573                     | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 278,406                | =                       | 43,281                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 547,034                | _                       |                             |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 354,717                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 193,329                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859<br>93.859  |  |                     | 34,499<br>45,997       | _                       | 2 449                       |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | 45,997<br>74.851       | _                       | 3,118                       |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 136,379                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 100,120                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 130,627                | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            |  |                     | 95,273                 | _                       | _                           |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING<br>BIOMEDICAL RESEARCH AND RESEARCH TRAINING                        | 93.859<br>93.859  |  |                     | 131,470<br>245.190     | _                       | 38,710                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING                           | 93.859            |  |                     | 410,904                | =                       | 30,710                      |                            |
| BIOMEDICAL RESEARCH AND RESEARCH TRAINING   | 93.859            | BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA | RS2017109702        | - 10,004               | 12,680                  | _                           | 35,701,473                 |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            | HARVARD UNIVERSITY                             | 117267 0175 5119385 | _                      | 23,781                  | -                           |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            | HARVARD UNIVERSITY                             | 117267 0176 5119387 | _                      | 79,034                  | _                           |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865<br>93.865  | HARVARD UNIVERSITY                             | 117267 0275 5119385 | _                      | 119,314                 | _                           |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH | 93.865<br>93.865  | HARVARD UNIVERSITY                             | 117267 0276 5119387 | 135,591                | 380,325                 | 25,016                      |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            |  |                     | 186,898                | _                       | 17,185                      |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            |  |                     | 34,724                 | _                       | _                           |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            |  |                     | 7,911                  | _                       | _                           |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865            |  |                     | 96,738                 | _                       | _                           |                            |
|   |                   |  |                     |                        |                         |                             |                            |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  |                       |  |                                   |                    | _                 |                    | Total                      |
|--|-----------------------|--|-----------------------------------|--------------------|-------------------|--------------------|----------------------------|
|  | Assistance<br>listing |  |                                   | Direct             | Pass-<br>through  | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor  | number                | Pass-through entity name   | Pass-through number               | expenditures       | expenditures      | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:<br>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH                      | 93.865                |  |                                   | \$ 7.349           |                   |                    |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 69.938             | _                 | 8,402              |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 72,814             | _                 | -,                 |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 81,461             | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 25,302             |                   | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH<br>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH | 93.865<br>93.865      | REVERAGEN BIOPHARMA INCORPORATED JOHNS HOPKINS UNIVERSITY                                | 1R41HD094622-01<br>2005286386     | _                  | 15,612<br>62,076  | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMORAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMORAL RESEARCH    | 93.865                | RUTGERS UNIVERSITY   | 2003266366<br>2258 PO:25134646    | _                  | 25.050            |                    |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | CHILDRENS RESEARCH INSTITUTE   | 3000550403                        | _                  | 6,128             | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | CHILDRENS RESEARCH INSTITUTE   | 30005719-02                       | _                  | 88,220            | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | CHILDRENS RESEARCH INSTITUTE   | 30005719-05                       | _                  | 2,769             | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865<br>93.865      | SYRACUSE UNIVERSITY HEALTH RESEARCH INC  | 3106205610S01                     | _                  | 44,956            | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH    | 93.865                | HEALTH RESEARCH INC  | 37401                             | 1,621              | 3,295             | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | UNIVERSITY OF ROCHESTER  | 417754                            | 1,021              | 90,176            | =                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 32,782             |                   | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 33,208             | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 133,444            | _                 |                    |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH    | 93.865<br>93.865      |  |                                   | 877,344<br>343.793 | _                 | 681,852<br>148,701 |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 278,802            |                   | 140,701            |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 474,336            | _                 | 339,234            |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 429,941            | _                 | 51,062             |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 351,439            | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH<br>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH | 93.865<br>93.865      |  |                                   | 560,895<br>237,001 | =                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMORAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMORAL RESEARCH    | 93.665                |  |                                   | 15 646             | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 58,241             | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | 68,802             | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                |  |                                   | (16)               | _                 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH    | 93.865<br>93.865      | TRUSTEES OF INDIANA UNIVERSITY EMORY UNIVERSITY  | 9115SUNY<br>A604910               | _                  | 140,821<br>26,743 | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH    | 93.865                | PHOENIX CHILDREN'S HOSPITAL  | A604910<br>FRYE1804               |                    | 16,303            |                    |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | VASCUMAB   | NA NA                             |                    | 31.012            | =                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | TEMPLE UNIVERSITY  | P0512964 263799-SUNNY             | _                  | 35,455            | _                  |                            |
| COVID-19 - CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH  | 93.865                | UNIVERSITY OF COLORADO   | PO1001633892 FY221137002          | _                  | 27,648            | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                                  | R01HD094793 COLUM-0000125557      | _                  | 1,378             | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH    | 93.865<br>93.865      | RAND CORPORATION GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION                            | SCON00000394<br>SP0001399301      | _                  | 25,308<br>10.497  | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | SYRACUSE UNIVERSITY  | SP13167105757S01                  | _                  | 117.064           | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | UNIVERSITY OF GEORGIA  | SUB00001558                       | _                  | 238,383           | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | UNIVERSITY OF GEORGIA  | SUB00001827                       | _                  | 31,325            | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865                | UNIVERSITY OF GEORGIA  | SUB00001865                       | _                  | 276,782           | _                  |                            |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH   | 93.865<br>93.865      | REGENTS OF THE UNIVERSITY OF MICHIGAN  | SUBK00015257<br>TULHSC5591322021  | _                  | 25,517            | _                  | 6 654 121                  |
| CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH AGING RESEARCH  | 93.865                | TULANE UNIVERSITY ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI                                | 0255D1314609                      | _                  | 93,144<br>108,604 | _                  | 6,654,121                  |
| AGING RESEARCH   | 93.866                | OREGON HEALTH & SCIENCE UNIVERSITY   | 1016831STONYBROOK                 | _                  | 230.163           | _                  |                            |
| AGING RESEARCH   | 93.866                | TUFTS UNIVERSITY   | 10374100001                       | _                  | 12,964            | _                  |                            |
| AGING RESEARCH   | 93.866                | UNIVERSITY OF SOUTHERN CALIFORNIA  | 1223346006R01G04799202            | _                  | 3,916             | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 110,344            | _                 | _                  |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866<br>93.866      |  |                                   | 16,314<br>41,372   | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 24,002             | =                 | =                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 693,335            | _                 | 58,198             |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 365,462            | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 409,477            | _                 |                    |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866<br>93.866      |  |                                   | 754,705<br>179,680 | _                 | 306,181<br>4.255   |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 54 619             | =                 | 4,233              |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 155,778            | _                 | 71,452             |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 19,233             | _                 | _                  |                            |
| AGING RESEARCH   | 93.866<br>93.866      |  |                                   | 197,849<br>101.405 | _                 | _                  |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866                |  |                                   | 101,405<br>55.779  | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 4.590              | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 478,183            | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 245,927            | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 73,454             | _                 | 2,469              |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866<br>93.866      |  |                                   | 23,158<br>994,592  | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 59,548             | _                 | _                  |                            |
| AGING RESEARCH   | 93.866                | NEW YORK UNIVERSITY SCHOOL OF MEDICINE   | 2000001004749                     | -                  | (37,709)          | _                  |                            |
| AGING RESEARCH   | 93.866                | NEW YORK UNIVERSITY SCHOOL OF MEDICINE   | 2000001004749 PO M200397209       | _                  | 20,613            | _                  |                            |
| AGING RESEARCH   | 93.866                | JOHNS HOPKINS UNIVERSITY   | 2005217464                        | _                  | 30,764            | _                  |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866<br>93.866      | NATIONAL JEWISH HEALTH REGENTS OF THE UNIVERSITY OF CALIFORNIA                           | 20132101SUNYDOWNSTATE<br>20201362 | _                  | 17,385<br>17.433  | -                  |                            |
| AGING RESEARCH AGING RESEARCH  | 93.866<br>93.866      | PACIFIC HEALTH RESEARCH AND EDUCATION INSTITUTE  | 20201362<br>2170401               |                    | 17,433<br>5.288   | _                  |                            |
| AGING RESEARCH   | 93.866                | FAGILIG TILALTIT RESEAROR AND EDUCATION INSTITUTE  | 21/0401                           | 126,057            | 5,268             | =                  |                            |
| AGING RESEARCH   | 93.866                | SYRACUSE UNIVERSITY  | 3114905686S05                     |                    | 16,544            | _                  |                            |
| AGING RESEARCH   | 93.866                | SYRACUSE UNIVERSITY  | 3114905686S06                     | _                  | 21,824            | _                  |                            |
| AGING RESEARCH   | 93.866                | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION   | 320000222319097                   |                    | 237,238           |                    |                            |
| AGING RESEARCH   | 93.866<br>93.866      |  |                                   | 375,112            | _                 | 50,517             |                            |
| AGING RESEARCH<br>AGING RESEARCH   | 93.866<br>93.866      | TRUSTEES OF BOSTON UNIVERSITY  | 4500003795                        | 667,849            | 21,633            | 424,202            |                            |
| AGING RESEARCH   | 93.866                | TRUSTEES OF BOSTON UNIVERSITY<br>TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 5GG1212604 PO:G13590              | =                  | 31,929            | _                  |                            |
| AGING RESEARCH   | 93.866                |  |                                   | 116,111            |                   | _                  |                            |
|  |                       |  |                                   |                    |                   |                    |                            |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   |                       |   |   |                     | _                |                    | Total                      |
|---|-----------------------|---|---|---------------------|------------------|--------------------|----------------------------|
|   | Assistance<br>listing |   |   | Direct              | Pass-<br>through | Passed-<br>through | expenditures<br>by ALN and |
| Federal grantor/federal subdivision or pass-through grantor | number                | Pass-through entity name  | Pass-through number                           | expenditures        | expenditures     | to subrecipients   | federal grantor            |
| RESEARCH AND DEVELOPMENT CLUSTER:                           | 00.000                |   |   | . 71.001            |                  |                    |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866<br>93.866      |   |   | \$ 74,691<br>63,080 | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 1,652,405           | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 99,853              | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 93,146              | _                | _                  |                            |
| AGING RESEARCH<br>AGING RESEARCH                            | 93.866<br>93.866      |   |   | 12,452<br>394,092   | =                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 446.888             | _                | 17,280             |                            |
| AGING RESEARCH  | 93.866                |   |   | 636,422             | _                |                    |                            |
| AGING RESEARCH  | 93.866                |   |   | 496,589             | _                | 268,180            |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866<br>93.866      |   |   | 729,668<br>704.041  | _                | 407,103            |                            |
| AGING RESEARCH  | 93.866                |   |   | 471,203             | =                | 584,834            |                            |
| AGING RESEARCH  | 93.866                |   |   | 526,524             | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 266,953             | _                | 42,343             |                            |
| AGING RESEARCH  | 93.866<br>93.866      |   |   | 506,460<br>743,093  | _                | _                  |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866                |   |   | 743,093<br>505,227  | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 321,357             |                  | =                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 77,320              | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 151,438             | _                | _                  |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866<br>93.866      |   |   | 441<br>76 522       | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 6.444               |                  | =                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 17,449              | _                | _                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 63,411              | _                | _                  |                            |
| AGING RESEARCH  | 93.866<br>93.866      |   |   | 104,654<br>219,290  | _                | =                  |                            |
| AGING RESEARCH  | 93.866                |   |   | 193,423             | _                | _                  |                            |
| AGING RESEARCH  | 93.866                | REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO  | 704583  |                     | 6,419            | _                  |                            |
| AGING RESEARCH  | 93.866                | CORNELL UNIVERSITY  | 89820-20736                                   | _                   | 24,213           | _                  |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866                | CORNELL UNIVERSITY DUKE UNIVERSITY  | 8982020737<br>A033930                         | _                   | 32,124           | _                  |                            |
| AGING RESEARCH  | 93.866<br>93.866      | DUKE UNIVERSITY   | A035297                                       | =                   | 23,118<br>69,629 | =                  |                            |
| AGING RESEARCH  | 93.866                | REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO  | ADC042PRAZ704025                              | _                   | 5,905            | _                  |                            |
| AGING RESEARCH  | 93.866                | YALE UNIVERSITY   | GR100662(CON-80000839)                        | _                   | 3,088            | _                  |                            |
| AGING RESEARCH  | 93.866                | REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO  | KR704803                                      | _                   | 113,716          | _                  |                            |
| AGING RESEARCH AGING RESEARCH                               | 93.866<br>93.866      | FD NEUROTECHNOLOGIES INCORPORATED<br>SYRACUSE UNIVERSITY  | R43AG071045UB<br>SP31149306030S01             | _                   | 68,167<br>13,687 | =                  |                            |
| AGING RESEARCH  | 93.866                | SYRACUSE UNIVERSITY   | SP31149306030S05                              |                     | 38.240           | =                  |                            |
| AGING RESEARCH  | 93.866                | NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION  | STE219617                                     | _                   | 44,103           | _                  |                            |
| AGING RESEARCH  | 93.866                | UNIVERSITY OF GEORGIA   | SUB00001452                                   | _                   | 15,638           | _                  |                            |
| AGING RESEARCH<br>VISION RESEARCH                           | 93.866<br>93.867      | REGENTS OF THE UNIVERSITY OF MICHIGAN BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM | SUBK00011921PO3005986133<br>000518417001SC001 | _                   | 3,275<br>278,390 | _                  | 17,198,382                 |
| VISION RESEARCH VISION RESEARCH                             | 93.867                | NEW YORK UNIVERSITY SCHOOL OF MEDICINE  | 106171 ZEDS                                   | _                   | 278,390<br>6 151 | _                  |                            |
| VISION RESEARCH   | 93.867                | NEW YORK UNIVERSITY   | 19A1001002612 114209                          | _                   | 131,218          | _                  |                            |
| VISION RESEARCH   | 93.867                | NEW YORK UNIVERSITY   | 19A1001002612 PO #M210372221                  | _                   | 4,854            | _                  |                            |
| VISION RESEARCH<br>VISION RESEARCH                          | 93.867<br>93.867      |   |   | 219,672<br>401,433  | _                | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 401,433             | _                | 176,564            |                            |
| VISION RESEARCH   | 93.867                |   |   | 9,165               | _                | -                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 88,203              | _                | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 44,948              | _                | _                  |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867<br>93.867      |   |   | 79,103<br>56,548    | _                | =                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 161,003             | _                | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 161,208             | _                | 11,176             |                            |
| VISION RESEARCH<br>VISION RESEARCH                          | 93.867<br>93.867      | WEST VIRGINIA UNIVERSITY  | 20192SUNY                                     | 108 671             | 25,659           | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 558.501             | =                | 35,486             |                            |
| VISION RESEARCH   | 93.867                |   |   | 90,274              | _                |                    |                            |
| VISION RESEARCH   | 93.867                |   |   | 203,344             | _                | _                  |                            |
| VISION RESEARCH<br>VISION RESEARCH                          | 93.867<br>93.867      | TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 582575  | (770)               | 12,311           | _                  |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867                | TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 582575  | 154,352             | 12,311           | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 483,712             |                  | =                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 309,289             | _                | _                  |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867                |   |   | 65,122              | _                | _                  |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867<br>93.867      |   |   | 155,405<br>1.190    | =                | -                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 453,227             | =                | 126,197            |                            |
| VISION RESEARCH   | 93.867                |   |   | 359,873             | _                | 11,802             |                            |
| VISION RESEARCH   | 93.867                |   |   | 219,630             | _                | _                  |                            |
| VISION RESEARCH   | 93.867<br>93.867      |   |   | 99,394<br>62.363    | _                | =                  |                            |
| VISION RESEARCH<br>VISION RESEARCH                          | 93.867                |   |   | 27,438              | =                | =                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 139,146             | _                | 43,369             |                            |
| VISION RESEARCH   | 93.867                |   |   | 248,666             | _                | _                  |                            |
| VISION RESEARCH   | 93.867                |   |   | 235,986             | _                | 10,190             |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867<br>93.867      |   |   | 331,931<br>386,404  | =                |                    |                            |
| VISION RESEARCH   | 93.867                |   |   | 383,852             | =                | 170,721            |                            |
| VISION RESEARCH   | 93.867                |   |   | 420,110             | _                | · -                |                            |
| VISION RESEARCH   | 93.867                |   |   | 492,599             | _                | 18,153             |                            |
| VISION RESEARCH VISION RESEARCH                             | 93.867<br>93.867      |   |   | 350,030<br>613,251  | _                | 88,811             |                            |
| **************************************                      | 20.001                |   |   | 010,201             |                  |                    |                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance        |  |                                |                        | Pass-                   | Passed-                     | Total<br>expenditures         |
|---|-------------------|--|--------------------------------|------------------------|-------------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor   | listing<br>number | Pass-through entity name   | Pass-through number            | Direct<br>expenditures | through<br>expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| RESEARCH AND DEVELOPMENT CLUSTER:   |                   |  |                                |                        |                         |                             |                               |
| VISION RESEARCH<br>VISION RESEARCH  | 93.867<br>93.867  |  |                                | \$ 420,521<br>355,694  | =                       | 70,207                      |                               |
| VISION RESEARCH   | 93.867            |  |                                | 22,616                 | _                       | _                           |                               |
| VISION RESEARCH<br>VISION RESEARCH  | 93.867<br>93.867  | UNIVERSITY OF ARIZONA  | 643797                         | 17,439                 | 11,728                  | =                           |                               |
| VISION RESEARCH   | 93.867            | DUKE UNIVERSITY  | A033408                        | _                      | 8,214                   | _                           |                               |
| VISION RESEARCH<br>VISION RESEARCH  | 93.867<br>93.867  | NEW YORK UNIVERSITY JAEB CENTER FOR HEALTH RESEARCH INCORPORATED                         | N/A<br>U10EY11751              | =                      | 21,808<br>5.573         | =                           | 9.900.105                     |
| MEDICAL LIBRARY ASSISTANCE  | 93.879            | BRIGHAM AND WOMENS HOSPITAL  | 123907                         | _                      | 80,455                  | =                           | 8,800,103                     |
| MEDICAL LIBRARY ASSISTANCE MEDICAL LIBRARY ASSISTANCE   | 93.879<br>93.879  |  |                                | 30,257<br>104.605      | _                       | _                           |                               |
| MEDICAL LIBRARY ASSISTANCE  | 93.879            |  |                                | 297,467                | =                       | _                           |                               |
| MEDICAL LIBRARY ASSISTANCE MEDICAL LIBRARY ASSISTANCE   | 93.879<br>93.879  |  |                                | 480,178<br>185,760     | _                       | 60,950<br>37,376            | 1.178.722                     |
| RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL   | 93.879            |  |                                | 185,760                | _                       | 37,376                      | 1,178,722                     |
| HEALTH CARE PROVIDER QUALITY IMPROVEMENT  | 93.912            | REACH PROJECT  | NA                             | _                      | 2,386                   | -                           | 2,386                         |
| HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED<br>BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES  | 93.940<br>93.958  | HEALTH RESEARCH INC<br>HERKIMER COUNTY   | 692801<br>RESOLUTION 262       | =                      | 13,915<br>118,866       | =                           | 13,915<br>118,866             |
| COAL MINERS RESPIRATORY IMPAIRMENT TREATMENT CLINICS AND SERVICES   | 93.965            | NEW YORK INSTITUTE OF TECHNOLOGY   | R15HD92931SBU1                 | -                      | 361                     |                             | 361                           |
| PRIMARY CARE MEDICINE AND DENTISTRY CLINICIAN EDUCATOR CAREER DEVELOPMENT AWARDS PRIMARY CARE MEDICINE AND DENTISTRY CLINICIAN EDUCATOR CAREER DEVELOPMENT AWARDS | 93.976<br>93.976  |  |                                | 31,172<br>35,353       | _                       | 26,752                      | 66.525                        |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING  | 93.989            |  |                                | 101,404                | _                       | _                           |                               |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING INTERNATIONAL RESEARCH AND RESEARCH TRAINING   | 93.989<br>93.989  |  |                                | 85,609<br>(5.397)      | _                       | 65,037                      |                               |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING  | 93.989            |  |                                | 306,819                | _                       | 99,239                      |                               |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING<br>INTERNATIONAL RESEARCH AND RESEARCH TRAINING  | 93.989<br>93.989  |  |                                | 389,269<br>272,805     | _                       | 330,257<br>90.727           |                               |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING  | 93.989            |  |                                | 306,849                | =                       | 180,924                     |                               |
| INTERNATIONAL RESEARCH AND RESEARCH TRAINING MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES   | 93.989<br>93.994  | PARTNERSHIP FOR RESEARCH AND ACTION FOR HEALTH<br>NYS DEPARTMENT OF HEALTH               | NIHFICSA202001<br>C32360GG     |                        | 62,701<br>47,229        | -                           | 1,520,059                     |
| MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES  MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES  | 93.994            | NYS DEPARTMENT OF HEALTH NYS DEPARTMENT OF HEALTH  | DOH01C32134GG3450000           | _                      | 47,229<br>372.094       | _                           | 419.323                       |
| Total U.S. Department of Health and Human Services  |                   |  |                                | 216,316,096            | 30,422,910              | 32,002,183                  | 246,739,006                   |
| Corporation for National and Community Service:<br>NATIONAL SERVICE AND CIVIC ENGAGEMENT RESEARCH COMPETITION   | 94.026            |  |                                | 39.177                 | _                       | _                           | 39.177                        |
| Total Corporation for National and Community Service  |                   |  |                                | 39,177                 |                         |                             | 39,177                        |
| Social Security Administration:<br>SOCIAL SECURITY RESEARCH AND DEMONSTRATION   | 96.007            | TRUSTEES OF BOSTON COLLEGE   | 5107173BC21S3                  | _                      | 33,321                  | _                           | 33,321                        |
| Total Social Security Administration  |                   |  |                                |                        | 33,321                  |                             | 33,321                        |
| U.S. Department of Homeland Security:   |                   |  |                                |                        |                         |                             |                               |
| DEPARTMENT OF HOMELAND SECURITY DEPARTMENT OF HOMELAND SECURITY   | 97.000<br>97.000  |  |                                | 435,158<br>393,722     | _                       | _                           | 828,880                       |
| ASSISTANCE TO FIREFIGHTERS GRANT  | 97.044            | UNIVERSITY OF ARIZONA  | 645741                         |                        | 779                     | _                           | 779                           |
| COOPERATING TECHNICAL PARTNERS  | 97.045<br>97.045  |  |                                | (1)<br>597             | _                       | _                           |                               |
| COOPERATING TECHNICAL PARTNERS COOPERATING TECHNICAL PARTNERS   | 97.045            |  |                                | 184,339                | =                       | =                           | 184,935                       |
| CENTERS FOR HOMELAND SECURITY CENTERS FOR HOMELAND SECURITY   | 97.061<br>97.061  | ARIZONA STATE UNIVERSITY<br>BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA               | 18339<br>4401081001401         | _                      | 14,347<br>4.694         | -                           |                               |
| CENTERS FOR HOMELAND SECURITY CENTERS FOR HOMELAND SECURITY   | 97.061            | NORTHEASTERN UNIVERSITY  NORTHEASTERN UNIVERSITY   | 50524578054                    | _                      | 4,694<br>65.340         | _                           |                               |
| CENTERS FOR HOMELAND SECURITY   | 97.061            | ARIZONA BOARD OF REGENTS   | ASUB00000362                   | _                      | 213,517                 | _                           |                               |
| CENTERS FOR HOMELAND SECURITY  Total U.S. Department of Homeland Security   | 97.061            | ARIZONA BOARD OF REGENTS   | ASUB00000612                   | 1,013,815              | 26,133<br>324,810       |                             | 324,031<br>1,338,625          |
| U.S. Agency for International Development (USAID): USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS   | 98.001            | MAGEE-WOMENS RESEARCH INSTITUTE AND FOUNDATION   | 9769                           |                        | 32,963                  |                             | 32,963                        |
| Total U.S. Agency for International Development (USAID)   | 98.001            | MAGEE-WOMENS RESEARCH INSTITUTE AND FOUNDATION   | 9769                           |                        | 32,963                  |                             | 32,963                        |
| TOTAL RESEARCH AND DEVELOPMENT CLUSTER  |                   |  |                                | 393,127,359            | 72,915,478              | 74,159,275                  | 466,042,837                   |
| CCDF CLUSTER: U.S. Department of Health and Human Services:   |                   |  |                                |                        |                         |                             |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | STONY BROOK UNIVERSITY   | C002361                        | _                      | 166                     | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | STONY BROOK UNIVERSITY   | C002772 PO115531615<br>C002773 | =                      | 237,103<br>22.008       | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY  | C002773<br>C002773 PO120461947 | _                      | 22,008<br>147.319       | 114,774                     |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | STONY BROOK UNIVERSITY   | C029242                        | _                      | 311,310                 | · –                         |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C190190<br>C190191             | =                      | (1,159)                 | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C190192                        | _                      | (1,292)                 | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C190193<br>C190196             | _                      | (3)                     | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200120                        | _                      | 120,362                 | =                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200128                        | Ξ                      | 304,395<br>197,288      | -                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C200129<br>C200130             | =                      | 197,288                 | =                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200131                        | _                      | 370,294                 | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C200133<br>C200134             | =                      | 217,667<br>3,619,524    | =                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200136                        | _                      | 231,449                 | 162,719                     |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C200137                        | Ξ                      | 625,952<br>159,273      | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C210061<br>C210076             | =                      | 199,879                 | =                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C210078                        | _                      | 17,863                  | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C210079<br>C210081             | =                      | 540,248<br>4,135,974    | _                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT  | 93.575            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C210082                        | Ξ                      | 275,950                 | =                           |                               |
| CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT   | 93.575<br>93.575  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES | C210083<br>NA                  | Ξ                      | 529,602<br>2,251,996    | 2,133,432                   | 14,755,438                    |
| Total U.S. Department of Health and Human Services  |                   |  |                                |                        | 14.755.438              | 2.410.925                   | 14,755,438                    |
| TOTAL CCDF CLUSTER  |                   |  |                                |                        | 14,755,438              | 2,410,925                   | 14,755,438                    |
|   |                   |  |                                |                        | ,,                      |                             | ,,                            |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name   | Pass-through number | Direct expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|--|---------------------|---------------------|----------------------------------|--|--|
| ECONOMIC DEVELOPMENT CLUSTER:  |                                 |  |                     |                     |                                  |  |  |
| U.S. Department of Commerce:   |                                 |  |                     |                     |                                  |  |  |
| ECONOMIC ADJUSTMENT ASSISTANCE<br>ECONOMIC ADJUSTMENT ASSISTANCE   | 11.307<br>11.307                | EMPIRE STATE DEVELOPMENT CORP  | NA                  | \$ 164,593<br>—     | 55.683                           | =                                      | 220.276  |
| Total U.S. Department of Commerce  |                                 |  |                     | 164,593             | 55,683                           |  | 220,276  |
| TOTAL ECONOMIC DEVELOPMENT CLUSTER   |                                 |  |                     | 164,593             | 55,683                           |  | 220,276  |
| HIGHWAY PLANNING AND CONSTRUCTION CLUSTER:   |                                 |  |                     | 104,000             |                                  |  | LLU,LT 0   |
| U.S. Department of Transportation:   |                                 |  |                     |                     |                                  |  |  |
| HIGHWAY PLANNING AND CONSTRUCTION  | 20.205                          | NYS DEPARTMENT OF TRANSPORTATION   | NA                  |                     | 13,053                           |  | 13,053   |
| Total U.S. Department of Transportation  |                                 |  |                     |                     | 13,053                           |  | 13,053   |
| TOTAL HIGHWAY PLANNING AND CONSTRUCTION CLUSTER:   |                                 |  |                     |                     | 13,053                           |  | 13,053   |
| HIGHWAY SAFETY CLUSTER:  |                                 |  |                     |                     |                                  |  |  |
| U.S. Department of Transportation: STATE AND COMMUNITY HIGHWAY SAFETY  | 20.600                          | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE   | C002532             | _                   | 69 823                           | _                                      |  |
| STATE AND COMMUNITY HIGHWAY SAFETY   | 20.600                          | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE   | C002534             | _                   | 104,273                          | _                                      |  |
| STATE AND COMMUNITY HIGHWAY SAFETY STATE AND COMMUNITY HIGHWAY SAFETY  | 20.600<br>20.600                | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE<br>NYS GOVERNORS TRAFFIC SAFETY COMMITTEE                   | C002536<br>C002562  | =                   | 254,002<br>284,570               | _                                      |  |
| STATE AND COMMUNITY HIGHWAY SAFETY   | 20.600                          | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE   | C002564             | =                   | 503,099                          | =                                      |  |
| STATE AND COMMUNITY HIGHWAY SAFETY NATIONAL PRIORITY SAFETY PROGRAMS   | 20.600<br>20.616                | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE NYS GOVERNORS TRAFFIC SAFETY COMMITTEE                      | C002599<br>C002533  | _                   | 55,976<br>48.033                 | _                                      | 1,271,743  |
| NATIONAL PRIORITY SAFETY PROGRAMS  | 20.616                          | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE   | C002533<br>C002535  | =                   | 48,033<br>122,681                | =                                      |  |
| NATIONAL PRIORITY SAFETY PROGRAMS NATIONAL PRIORITY SAFETY PROGRAMS  | 20.616<br>20.616                | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE NYS GOVERNORS TRAFFIC SAFETY COMMITTEE                      | C002560<br>C002561  | =                   | 191,566<br>64,562                | _                                      |  |
| NATIONAL PRIORITY SAFETY PROGRAMS NATIONAL PRIORITY SAFETY PROGRAMS  | 20.616                          | NYS GOVERNORS TRAFFIC SAFETY COMMITTEE  NYS GOVERNORS TRAFFIC SAFETY COMMITTEE                     | C002561<br>C002563  | =                   | 64,562<br>352.866                | _                                      | 779,708  |
| Total U.S. Department of Transportation  |                                 |  |                     |                     | 2,051,451                        |  | 2,051,451  |
| TOTAL HIGHWAY SAFETY CLUSTER   |                                 |  |                     |                     | 2,051,451                        |  | 2,051,451  |
| MEDICAID CLUSTER:  |                                 |  |                     |                     | 2,051,451                        |  | 2,051,451  |
| U.S. Department of Health and Human Services:  |                                 |  |                     |                     |                                  |  |  |
| MEDICAL ASSISTANCE PROGRAM   | 93.778                          | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C190193             |                     | (2)                              |  | (2)  |
| Total U.S. Department of Health and Human Services   |                                 |  |                     |                     | (2)                              |  | (2)  |
| TOTAL MEDICAID CLUSTER   |                                 |  |                     | _                   | (2)                              | _                                      | (2)  |
| SNAP CLUSTER:  |                                 |  |                     |                     |                                  |  |  |
| U.S. Department of Agriculture:  |                                 |  |                     |                     |                                  |  |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551<br>10.551                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE | C005284<br>C005287  | _                   | (2,644)                          | =                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C005375             | _                   | (18)                             | _                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM<br>SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM   | 10.551<br>10.551                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES      | C005510<br>C190193  | =                   | (27)                             | _                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C200143             | _                   | 1,046,348                        | _                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551<br>10.551                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE | C200144<br>C200147  | _                   | 419,179<br>205 508               | _                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C210064             | =                   | 673,339                          | =                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551<br>10.551                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE | C210067<br>HRA02    | _                   | 164,805<br>2,616                 | _                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE   | OTSS T5             | =                   | (93,920)                         | =                                      |  |
| SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM  | 10.551                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | TBD                 | _                   | 2,420,059                        | _                                      | 4,834,641  |
| STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM<br>STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM | 10.561<br>10.561                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE | C00272GG<br>C005285 | _                   | 66,523<br>(476)                  | =                                      |  |
| STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM   | 10.561                          | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C005379             | _                   | (591)                            | _                                      |  |
| STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM<br>STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM | 10.561<br>10.561                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE | C200141<br>C210065  | =                   | 113,787<br>109,653               | _                                      | 288.896  |
| Total U.S. Department of Agriculture   | 10.001                          | THE OTTICE OF TERM OF WATER DISTRICT THEORY WILL   | 0210000             |                     | 5 123 537                        |  | 5 123 537  |
| TOTAL SNAP CLUSTER   |                                 |  |                     |                     | 5,123,537                        |  | 5,123,537  |
|  |                                 |  |                     |                     | 5,123,537                        |  | 5,123,537  |
| SPECIAL EDUCATION CLUSTER (IDEA): U.S. Department of Education:  |                                 |  |                     |                     |                                  |  |  |
| SPECIAL EDUCATION GRANTS TO STATES   | 84.027                          | NYS EDUCATION DEPARTMENT   | C014035             | _                   | 479,997                          | _                                      |  |
| SPECIAL EDUCATION GRANTS TO STATES SPECIAL EDUCATION GRANTS TO STATES  | 84.027<br>84.027                | NYS EDUCATION DEPARTMENT<br>MULTIPLE SPONSORS  | MOU # 019-007<br>NA | _                   | 210,531<br>22.377                | _                                      | 712.905  |
| SPECIAL EDUCATION PRESCHOOL GRANTS   | 84.173                          | NEW YORK CITY DEPARTMENT OF EDUCATION  | N/A                 |                     | 31,268                           |  | 31,268   |
| Total U.S. Department of Education   |                                 |  |                     |                     | 744,173                          | _                                      | 744,173  |
| TOTAL SPECIAL EDUCATION CLUSTER (IDEA)   |                                 |  |                     |                     | 744.173                          |  | 744.173  |
| STUDENT FINANCIAL ASSISTANCE CLUSTER:  |                                 |  |                     |                     |                                  |  |  |
| U.S. Department of Health and Human Services:  |                                 |  |                     |                     |                                  |  |  |
| NURSE FACULTY LOAN PROGRAM (NFLP)  | 93.264                          |  |                     | 17,208              |                                  |  | 17,208   |
| Total U.S. Department of Health and Human Services   |                                 |  |                     | 17,208              |                                  |  | 17,208   |
| TOTAL STUDENT FINANCIAL ASSISTANCE CLUSTER   |                                 |  |                     | 17,208              |                                  |  | 17,208   |
| TRIO CLUSTER:  |                                 |  |                     |                     |                                  |  |  |
| U.S. Department of Education: TRIO STUDENT SUPPORT SERVICES  | 84.042                          |  |                     | (355)               | _                                | _                                      |  |
| TRIO STUDENT SUPPORT SERVICES  | 84.042                          |  |                     | 112,557             | =                                | =                                      |  |
| TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES  | 84.042<br>84.042                |  |                     | 282,976<br>613,758  | -                                | _                                      |  |
| TRIO STUDENT SUPPORT SERVICES  | 84.042                          |  |                     | 613,758<br>242,732  | _                                | =                                      |  |
| TRIO STUDENT SUPPORT SERVICES  | 84.042                          |  |                     | 304,525             | -                                | _                                      |  |
| TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES  | 84.042<br>84.042                |  |                     | 224,598<br>188.363  | =                                | =                                      |  |
| TRIO STUDENT SUPPORT SERVICES  | 84.042                          |  |                     | 265,875             | _                                | _                                      |  |
| TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES  | 84.042<br>84.042                |  |                     | 254,719<br>312,099  | _                                | _                                      | 2.801.847  |
| I NIU O I UDENI OUTPURI SERVICES   | 84.042                          |  |                     | 312,099             | _                                | _                                      | 2,801,847  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name  | Pass-through number     | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|---|-------------------------|------------------------|----------------------------------|--|--|
| TRIO CLUSTER:  |                                 |   |                         |                        |                                  |  |  |
| TRIO TALENT SEARCH   | 84.044                          |   |                         | \$ 117,309             | _                                | _                                      |  |
| TRIO TALENT SEARCH TRIO TALENT SEARCH  | 84.044<br>84.044                |   |                         | 98,040                 | _                                | _                                      |  |
| TRIO TALENT SEARCH TRIO TALENT SEARCH  | 84.044                          |   |                         | 248,848<br>282,243     |                                  | =                                      | 746.440  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 630,541                | _                                | _                                      | 740,440  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 264,969                | _                                | _                                      |  |
| TRIO UPWARD BOUND TRIO UPWARD BOUND  | 84.047<br>84.047                |   |                         | 279,481<br>506,232     | -                                | _                                      |  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 361 014                |                                  | _                                      |  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 301,528                | _                                | _                                      |  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 410,339                | -                                | _                                      |  |
| TRIO UPWARD BOUND TRIO UPWARD BOUND  | 84.047<br>84.047                |   |                         | 439,846<br>11.052      |                                  | =                                      |  |
| TRIO UPWARD BOUND  | 84.047                          |   |                         | 236,786                | _                                | _                                      | 3,441,788  |
| TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT   | 84.217                          |   |                         | 258,387                | _                                | _                                      |  |
| TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT  | 84.217<br>84.217                |   |                         | 330,433<br>342,216     | _                                | _                                      |  |
| TRIO MICHAIR POST-BACCALAUREATE ACHIEVEMENT  | 84.217                          |   |                         | 347,875                | _                                | _                                      | 1,278,911  |
|  |                                 |   |                         |                        |                                  |  |  |
| Total U.S. Department of Education   |                                 |   |                         | 8,268,986              |                                  |  | 8,268,986  |
| TOTAL TRIO CLUSTER   |                                 |   |                         | 8,268,986              |                                  |  | 8,268,986  |
| OTHER PROGRAMS:  |                                 |   |                         |                        |                                  |  |  |
| U.S. Department of Agriculture: FARMERS MARKET AND LOCAL FOOD PROMOTION PROGRAM  | 10.175                          |   |                         | 146,841                |                                  |  | 146,841  |
| HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM  | 10.217                          |   |                         | 152,285                | _                                | 139,058                                | 140,041  |
| HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM  | 10.217                          |   |                         | 227,679                | _                                | 98,602                                 | 379,964  |
| RURAL BUSINESS DEVELOPMENT GRANT AGRICULTURE INNOVATION CENTER DEMONSTRATION PROGRAM   | 10.351                          |   |                         | 21,796                 | _                                | 405.050                                | 21,796   |
| AGRICULTURE INNOVATION CENTER DEMONSTRATION PROGRAM SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN  | 10.377                          | NYS DEPARTMENT OF HEALTH  | DOH01C35512GG3450000    | 158,841                | 1.380.659                        | 105,252                                | 158,841<br>1.380.659                                   |
|  | 10.007                          | THOUSE FACINICAL OF TICKETH   | 201010001200040000      | 707.440                |                                  | 040.040                                |  |
| Total U.S. Department of Agriculture   |                                 |   |                         | 707,442                | 1,380,659                        | 342,912                                | 2,088,101  |
| U.S. Department of Commerce:<br>CLUSTER GRANTS   | 11.020                          |   |                         | 276,658                |                                  |  |  |
| CLUSTER GRANTS CLUSTER GRANTS  | 11.020                          |   |                         | 276,658<br>5.360       |                                  |  | 282.018  |
| ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE  | 11.303                          |   |                         | 16,770                 | _                                | _                                      | 16,770   |
| TRADE ADJUSTMENT ASSISTANCE FOR FIRMS  | 11.313                          |   |                         | 547,489                | _                                | _                                      |  |
| TRADE ADJUSTMENT ASSISTANCE FOR FIRMS SEA GRANT SUPPORT  | 11.313<br>11.417                |   |                         | 317,121<br>55,845      | _                                | _                                      | 864,610  |
| SEA GRANT SUPPORT  | 11.417                          |   |                         | 54,485                 | _                                | _                                      |  |
| SEA GRANT SUPPORT  | 11.417                          |   |                         | 25,828                 | _                                | _                                      |  |
| SEA GRANT SUPPORT  | 11.417                          |   |                         | 25,410                 | _                                | _                                      |  |
| SEA GRANT SUPPORT<br>SCIENCE, TECHNOLOGY, BUSINESS AND/OR EDUCATION OUTREACH   | 11.417<br>11.620                | JOHNS HOPKINS UNIVERSITY  | 2004113019              | 24,758                 | 218.342                          | =                                      | 186,326<br>218.342                                     |
|  | 11.020                          | to mo nor nate on teleprin  | 2004110010              | 1,349,724              | 218,342                          |  | 1,568,066  |
| Total U.S. Department of Commerce  |                                 |   |                         | 1,349,724              | 210,342                          |  | 1,300,000  |
| U.S. Department of Defense: DEPARTMENT OF DEFENSE  | 12.000                          | OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION                         | NA NA                   | _                      | 3,341                            | _                                      | 3,341  |
| BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING   | 12.630                          | NATIONAL SCIENCE TEACHERS ASSOCIATION                                 | 22871023                | _                      | 8,655                            | _                                      | 8,655  |
| GENCYBER GRANTS PROGRAM  | 12.903                          |   |                         | 64,587                 | _                                | _                                      |  |
| GENCYBER GRANTS PROGRAM<br>CYBERSECURITY CORE CURRICULUM   | 12.903<br>12.905                | REGENTS OF THE UNIVERSITY OF COLORADO                                 | 20144002                | 35,119                 | 161 449                          | _                                      | 99,706<br>161 449                                      |
|  | 12.803                          | RESERVES OF THE SHIVERSHIT OF COLONADO                                | 20144002                |                        |                                  |  |  |
| Total U.S. Department of Defense   |                                 |   |                         | 99,706                 | 173,445                          |  | 273,151  |
| U.S. Department of the Interior: COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM  | 15.945                          |   |                         | 2,938                  | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                         | 32,536                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                         | 37,948                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM  | 15.945<br>15.945                |   |                         | 28,364<br>7.758        | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM  COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM | 15.945                          |   |                         | 34.864                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                         | 18,036                 | _                                | _                                      |  |
| COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM   | 15.945                          |   |                         | 5,570                  |                                  | _                                      | 168,014  |
| NATIONAL PARK SERVICE CONSERVATION, PROTECTION, OUTREACH AND EDUCATION   | 15.954                          | NATIONAL WRITING PROJECT CORPORATION                                  | 01NY09NPS2020           |                        | 2,980                            |  | 2,980  |
| Total U.S. Department of the Interior  |                                 |   |                         | 168,014                | 2,980                            |  | 170,994  |
| U.S. Department of Justice:  |                                 |   |                         |                        |                                  |  |  |
| DEPARTMENT OF JUSTICE DEPARTMENT OF JUSTICE  | 16.000<br>16.000                | ERIE COUNTY SHERIFF'S DEPARTMENT<br>STATE UNIVERSITY OF NEW YORK      | 2019RWBX0009<br>C003385 | _                      | 37,158<br>2,918,745              | _                                      |  |
| DEPARTMENT OF JUSTICE DEPARTMENT OF JUSTICE  | 16.000                          | INSTITUTE FOR INTERGOVERNMENTAL RESEARCH                              | NA                      |                        | 19,844                           | _                                      | 2,975,747  |
| GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS  | 16.525                          |   |                         | 44,350                 |                                  | _                                      |  |
| GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS  | 16.525                          | EMPIRE MIGTICE OFFITED  | 24004000                | 32,137                 | -                                | _                                      | 76,487   |
| CRIME VICTIM ASSISTANCE CRIME VICTIM ASSISTANCE  | 16.575<br>16.575                | EMPIRE JUSTICE CENTER<br>STATE UNIVERSITY OF NEW YORK                 | C10949GG<br>NA          | _                      | 57,313<br>(16,469)               | _                                      |  |
| CRIME VICTIM ASSISTANCE  | 16.575                          | UNITY HOUSE OF TROY INCORPORATED                                      | UH31503                 | _                      | 93,299                           |  | 134,143  |
| CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS   | 16.582                          | NYS OFFICE OF VICTIM SERVICES   | C10867                  | _                      | 117,587                          | _                                      | 117,587  |
| DRUG COURT DISCRETIONARY GRANT PROGRAM   | 16.585<br>16.738                | UBMD FAMILY MEDICINE  | NA<br>C445370           | _                      | 108,261<br>459,860               | _                                      | 108,261<br>459,860                                     |
| EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM RECOVERY ACT - VOCA CRIME VICTIM ASSISTANCE DISCRETIONARY GRANT PROGRAM                                     | 16.738<br>16.807                | NYS DIVISION OF CRIMINAL JUSTICE SERVICES<br>NYS UNIFIED COURT SYSTEM | C445370<br>C250691      | _                      | 459,860<br>38,844                | _                                      | 459,860<br>38,844                                      |
| SECOND CHANCE ACT REENTRY INITIATIVE   | 16.812                          | BESTSELF BEHAVIORAL HEALTH INCORPORATED                               | NA NA                   | =                      | 9,869                            |  | 9,869  |
| COMPREHENSIVE OPIOID ABUSE SITE-BASED PROGRAM  | 16.838                          | ERIE COUNTY DEPARTMENT OF HEALTH                                      | 21365HE                 | _                      | 31,536                           | _                                      | 31,536   |
| STOP SCHOOL VIOLENCE   | 16.839                          | LOCKPORT CITY SCHOOL DISTRICT   | NA                      |                        | 37,958                           |  | 37,958   |
| Total U.S. Department of Justice   |                                 |   |                         | 76,487                 | 3,913,805                        |  | 3,990,292  |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor  | Assistance<br>listing<br>number | Pass-through entity name                            | Pass-through number | Direct<br>expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|--|---------------------------------|---|---------------------|------------------------|----------------------------------|--|--|
| OTHER PROGRAMS:  |                                 | · ===Jugit vitus numv                               | unough number       |                        |                                  |  | gramor   |
| U.S. Department of Labor: DEPARTMENT OF LABOR  | 17.000                          | WESTERN NY COUNCIL ON OCCUPATIONAL SAFETY & HEALTH  | N/A                 | s –                    | 5,239                            |  | 5,239  |
| H-1B JOB TRAINING GRANTS   | 17.268                          |   |                     | 1,041,879              | _                                | 590,769                                | 1,041,879  |
| COVID-19 - WORKFORCE INVESTMENT ACT (WIA) NATIONAL EMERGENCY GRANTS WORKFORCE INVESTMENT ACT (WIA) DISLOCATED WORKER NATIONAL RESERVE DEMONSTRATION GRANTS | 17.277<br>17.280                | WESTERN NY COUNCIL ON OCCUPATIONAL SAFETY & HEALTH  | NA NA               | 589 968                | 4,642                            | _                                      | 4,642<br>589 968                                       |
| WORKFORCE INVESTMENT ACT (WIA) DISLOCATED WORKER NATIONAL RESERVE DEMONSTRATION GRANTS WOMEN'S BUREAU  | 17.280<br>17.700                |   |                     | 589,968<br>133,282     | _                                | _                                      | 589,968<br>133,282                                     |
| Total U.S. Department of Labor   |                                 |   |                     | 1,765,129              | 9,881                            | 590,769                                | 1,775,010  |
| U.S. Department of State: DEPARTMENT OF STATE  | 19.000                          |   |                     | 13,943                 |                                  |  |  |
| DEPARTMENT OF STATE  | 19.000                          | POLUS CENTER FOR SOCIAL AND ECONOMIC DEVELOPMENT    | SUNYFY22            | 13,943                 | 14,685                           | =                                      | 28,628   |
| GLOBAL THREAT REDUCTION  | 19.033                          |   |                     | 160,429                | _                                | _                                      |  |
| GLOBAL THREAT REDUCTION PUBLIC DIPLOMACY PROGRAMS  | 19.033<br>19.040                |   |                     | 32,601<br>3.113        | _                                | _                                      | 193,030  |
| PUBLIC DIPLOMACY PROGRAMS  | 19.040                          |   |                     | 22,391                 | _                                | 3,924                                  |  |
| PUBLIC DIPLOMACY PROGRAMS PUBLIC DIPLOMACY PROGRAMS  | 19.040<br>19.040                |   |                     | 4,896<br>85,907        | -                                | =                                      | 116.307  |
| PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES  | 19.415                          | AMERICAN COUNCIL FOR INTERNATIONAL EDUCATION        | SECAGD20CA0027      | 65,907                 | 299,292                          | =                                      | 299,292  |
| AEECA/ESF PD PROGRAMS  | 19.900                          | NETWORK 20/20                                       | NA                  | _                      | 31,019                           | _                                      |  |
| AEECA/ESF PD PROGRAMS EXPORT CONTROL AND RELATED BORDER SECURITY   | 19.900<br>19.901                | EURASIA FOUNDATION                                  | W19-3003            | 140,651                | 10,395                           | 27,000                                 | 41,414   |
| EXPORT CONTROL AND RELATED BORDER SECURITY   | 19.901                          |   |                     | 52,482                 | =                                | · -                                    |  |
| EXPORT CONTROL AND RELATED BORDER SECURITY   | 19.901                          |   |                     | 208,669                | _                                | 11,249                                 |  |
| EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY  | 19.901<br>19.901                |   |                     | 239,583<br>114,696     | _                                | 14,582<br>3,123                        |  |
| EXPORT CONTROL AND RELATED BORDER SECURITY   | 19.901                          |   |                     | 41,532                 | _                                | · -                                    |  |
| EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY  | 19.901                          |   |                     | 53,017                 | _                                | 481                                    |  |
| EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY  | 19.901<br>19.901                |   |                     | 60,951<br>106,081      | _                                | _                                      | 1,017,662  |
| Total U.S. Department of State   |                                 |   |                     | 1,340,942              | 355,391                          | 60,359                                 | 1,696,333  |
| Appalachian Regional Commission: APPALACHIAN REGIONAL DEVELOPMENT  | 23.001                          | ALTERNATIVES VENTURE FUND                           | N/A                 |                        | 24.460                           | _                                      | 24 460   |
| APPALACHIAN REGIONAL DEVELOPMENT APPALACHIAN AREA DEVELOPMENT  | 23.001                          | ALTERNATIVES VENTURE FUND                           | N/A                 | 136,749                | 21,160                           | =                                      | 21,160   |
| APPALACHIAN AREA DEVELOPMENT   | 23.002                          |   |                     | 34,155                 |                                  |  | 170,904  |
| Total Appalachian Regional Commission  |                                 |   |                     | 170,904                | 21,160                           |  | 192,064  |
| Office of Personnel Management:<br>INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                          |   |                     | 34,016                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011                          |   |                     | 34,016<br>18.104       | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 64,252                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011<br>27.011                |   |                     | 21,880<br>5 174        | =                                | =                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 34,929                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 11,675                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM<br>INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011<br>27.011                |   |                     | 40,509<br>69 106       | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 28,808                 | _                                | =                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 32,694                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM<br>INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011<br>27.011                |   |                     | 25,754<br>29.881       | _                                | =                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 32,192                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 14,414                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011<br>27.011                |   |                     | 10,114<br>10.737       | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 5,148                  | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 6,687                  | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011<br>27.011                |   |                     | 29,331<br>28,981       | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 36,506                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  | 27.011<br>27.011                |   |                     | 34,308<br>66,044       | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM  INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 23.608                 | =                                | =                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 65,909                 | _                                | _                                      |  |
| INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM   | 27.011                          |   |                     | 107,184<br>887.945     |                                  |  | 887,945  |
| Total Office of Personnel Management  Library of Congress:   |                                 |   |                     | 887,945                |                                  | <del></del>                            | 887,945  |
| LIBRARY OF CONGRESS  | 42.000                          |   |                     | 42,692                 |                                  |  | 42,692   |
| Total Library of Congress  |                                 |   |                     | 42,692                 |                                  |  | 42,692   |
| National Aeronautics and Space Administration:<br>SCIENCE  | 43.001                          |   |                     | 7,687                  |                                  |  |  |
| SCIENCE  | 43.001                          |   |                     | 44,000                 | _                                | _                                      |  |
| SCIENCE  | 43.001                          |   |                     | 38,564                 | _                                | _                                      | 90,251   |
| OFFICE OF STEM ENGAGEMENT (OSTEM) SPACE TECHNOLOGY   | 43.008<br>43.012                | CORNELL UNIVERSITY                                  | 90830-20362         | 44,907                 | 10,545                           | _                                      | 10,545<br>44,907                                       |
| Total National Aeronautics and Space Administration  | 45.012                          |   |                     | 135,158                | 10,545                           |  | 145,703  |
| National Endowment for the Arts:   |                                 |   |                     |                        | ,                                |  | -  |
| PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS  | 45.024                          |   |                     | 22,420                 |                                  | _                                      | 22,420   |
| PROMOTION OF THE ARTS PARTNERSHIP AGREEMENTS PROMOTION OF THE HUMANITIES FEDERAL/STATE PARTNERSHIP   | 45.025<br>45.129                | MID ATLANTIC ARTS FOUNDATION<br>HUMANITIES NEW YORK | 32342<br>R210304554 | _                      | 7,200<br>1,178                   | _                                      | 7,200<br>1,178   |
| PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS  | 45.149                          |   | 142 10001001        | 123,446                | -,.70                            | =                                      | 123,446  |
| PROMOTION OF THE HUMANITIES FELLOWSHIPS AND STIPENDS   | 45.160                          |   |                     | 28,744                 | _                                | _                                      | 28,744   |

#### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Property    |  |        |   |                     |            |         |           | Total        |
|--|--|--------|---|---------------------|------------|---------|-----------|--------------|
| The part   Par   |  |        |   |                     | Direct     |         |           | expenditures |
| Property of the common of th   | Federal grantor/federal subdivision or pass-through grantor  |        | Pass-through entity name  | Pass-through number |            |         |           |              |
| PRINTING DE PRENDE SECRETAR DE CONTRE DESCRIPTION DE CONTRE DE C   | OTHER PROGRAMS:  |        |   |                     |            |         |           |              |
| March   Marc   |  |        |   |                     |            | _       | 40,735    | 57,740       |
| March   Marc   | PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT<br>BPOMOTION OF THE UILIMANITIES TEACHING AND LEARNING BESOURCES AND CURRICULUM DEVELOPMENT |        |   |                     |            | _       | _         |              |
| ### PROPRIES OF THE LANGEST CHARGEST AND ALL MARKET CH | PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT   |        |   |                     |            | _       |           |              |
| ### PROPRIEST OF THE CONSTRUCTION OF THE CONST | PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT   |        |   |                     |            | _       | _         | 191.624      |
| March   Marc   | PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT   | 45.163 |   |                     | 70,098     | _       | _         |              |
| MARCHES   MARC   |  |        |   |                     | 87,792     | _       | _         |              |
| Part      | PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS  |        | AMERICAN COUNCIL OF LEARNED SOCIETIES   | NA                  | _          | 4,950   | _         | 4,950        |
| March   Marc   | PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES   |        |   |                     |            | _       | _         | 0.040        |
| The Market Device of to Age   Market Device of the Age   Market Device of   |  |        | LINIVERSITY OF WEST GEODGIA   | 115954ALIR          | 4,406      | 79 270  | _         |              |
| Mate   1987   1988      |  | 40.515 | UNIVERSITY OF WEST GEORGIA  | 113634A0B           | 500.676    |         | 40.725    |              |
| BALL   PRINCE   CONTROL    |  |        |   |                     | 390,676    | 91,607  | 40,735    | 002,203      |
| Bills   Bill   | SMALL BUSINESS DEVELOPMENT CENTERS   |        |   |                     |            | _       |           |              |
| Base      | SMALL BUSINESS DEVELOPMENT CENTERS   |        |   |                     |            | _       |           |              |
| THE PRINTED PR | SMALL BUSINESS DEVELOPMENT CENTERS   |        |   |                     | 4,395,567  | _       |           | 44 000 040   |
| Page      |  |        |   |                     |            | _       | 305,594   |              |
| 1.   |  | 59.075 |   |                     |            |         | 7.500.000 |              |
| MARCH CONTROL PRICE PRICE PROPRIES NOT A CONTROL PRICE PROPRIES NOT A CONTROL PRICE PROPRIES NOT A CONTROL PRICE PRICE PROPRIES NOT A CONTROL PRICE    |  |        |   |                     | 12,626,124 |         | 7,509,338 | 12,626,124   |
| MARSHANE TO UNITED STATES PRINCE PRINCE PROCESSING ACCOUNTS (1985)   1.00   1   |  | 64.034 |   |                     | 61.350     | _       | _         |              |
| 15.   Content of Filter   Content of Conte   |  |        |   |                     |            | _       | _         | 98,283       |
| 1.0    |  | 64.110 |   |                     | 2,703      |         |           | 2,703        |
| STATE   STAT   | Total U.S. Veterans Administration   |        |   |                     | 100,986    |         |           | 100,986      |
| THE SECRETARY ALLANCE PROCESSAN SECRETARY STATES SHAPE | U.S. Department of Energy:   |        |   |                     |            |         |           |              |
| Total U.S. Deprehend Effections  | OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM  PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM   |        |   |                     |            | _       | 108,616   |              |
| SECURITY    |  |        |   |                     |            |         | 108.616   |              |
| ADJ. ERLOCATION ENGINE GRAFT TO FATEE SAME TO STATES AND THE SECURITY STATES A |  |        |   |                     | 001,001    |         | 100,010   | 001,001      |
| ADULT EBLICATION - INSEC GRAPH TO STATE   S. 100   MISS CONCEPTION   S. 100 | ADULT EDUCATION - BASIC GRANTS TO STATES   | 84.002 | NYS EDUCATION DEPARTMENT  | C403417 0040212083  | _          | 10.953  | _         |              |
| MIGHANT EDUCATION STATE (GRANT PROGRAM   MIGHANT EDUCATION STATE (GRANT PROG   | ADULT EDUCATION - BASIC GRANTS TO STATES   | 84.002 | NYS EDUCATION DEPARTMENT  | C403418 0040212082  | _          |         | _         |              |
| MIGRAY TEDUCTYON STATE GRANT PROGRAM  MIGRAY TEDUCTYON STATE GRANT PRO |  |        |   |                     | _          |         | _         | 1,958        |
| MISSINE PEDICATION STATE (BANK PROGRAM   MISSINE PEDICATION STATE (BANK PROG   |  |        |   |                     | _          |         | _         |              |
| MIGHAT EDUCATION STATE GRAPH PROGRAM   MIGHAT EDUCATION   |  |        | EASTERN SUFFOLK BOCES   |                     | _          |         | _         |              |
| MERNY EDUCATION STATE GRAPH PROGRAM  MISSINI EDUCATION ST | MIGRANI EDUCATION STATE GRANT PROGRAM  |        | ALABAMA STATE DEDARTMENT OF EDUCATION   |                     | _          |         | _         |              |
| MIGNATE EDUCATION STATE GRANT PROCESAN MIGNATE POLICITION STATE GRANT PROCESAN MIGRATE |  |        | ALABAMA STATE DEPARTMENT OF EDUCATION   |                     |            |         | _         |              |
| MIGNATE EDUCATION STATE GRANT PROCESAM MIGNATE PEDUCATION STATE GRANT PROCESAM MIGRATE | MIGRANT EDUCATION STATE GRANT PROGRAM  |        | ALABAMA STATE DEPARTMENT OF EDUCATION   |                     | _          |         | _         |              |
| MISHATE EDUCATION STATE GRANT PROGRAM  4011  MISHATE EDUCATION STATE GRANT PROGRAM  MISHATE EDUCATION STATE GRA |  | 84.011 |   |                     | _          | 37,524  | _         |              |
| MIGHAN EDUCATION STATE GRANT PROGRAM   | MIGRANT EDUCATION STATE GRANT PROGRAM  |        |   | C403305 0035210022  | _          |         | _         |              |
| MERANT EDUCATION STATE GRANT PROGRAM MICHAEL TELEVISION STATE GRANT STATE GRANT PROGRAM MICHAEL TELEVISION STATE GRANT PROGRAM MICHAEL TELEVISION STATE GRANT S | MIGRANT EDUCATION STATE GRANT PROGRAM  |        |   |                     | _          |         | _         |              |
| MIGNATE FEDUCATION STATE GRANT PROGRAM   | MIGRANT EDUCATION STATE GRANT PROGRAM  |        | NYS EDUCATION DEPARTMENT  | C403306 0035210002  | _          |         | _         |              |
| MGRAY EDUCATION STATE GRAPH PROCRAM MORANT EDUCATION DEPARTMENT CAUSSAG 00522-0057 — 402.006 — MORANT EDUCATION STATE GRAPH PROCRAM MORANT EDUCATION DEPARTMENT CAUSSAG 00525-0050 — 10.53.75 — MORANT EDUCATION STATE GRAPH PROCRAM MORA | MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM  |        | NYS EDUCATION DEPARTMENT  |                     |            |         | _         |              |
| MIGRATE EDUCATION STATE GRANT FROORAM MIGRATE TELEVICATION STATE GRANT TO |  |        |   |                     |            |         | _         |              |
| MGRATE EDUCATION STATE GRAYN FROGRAM MGRAY EDUCATION STATE GRAYN FROGRAM MGRATE EDUCATION STATE GRAYN FROGRAM MGRATE EDUCATION STATE GRAYN FROGRAM MGRATE EDUCATION STATE GRAYN FROGRAM MGRAY EDUCATION STATE  | MIGRANT EDUCATION STATE GRANT PROGRAM  | 84.011 | NYS EDUCATION DEPARTMENT  | C403308 0035210013  | _          |         | _         |              |
| MIGRATE EDUCATION STATE GRANT PROGRAM   8-011   NYS EDUCATION DEPARTMENT   C909M29   - 2,157.465   52,12   | MIGRANT EDUCATION STATE GRANT PROGRAM  | 84.011 | NYS EDUCATION DEPARTMENT  | C403308 0035220013  | _          | 678,519 | _         |              |
| MIGRATI EDUCATION STATE GRANT PROGRAM MIGRATI EDUCATION STATE GRANT PROGRAM MIGRATIC STATE GRANT PROGRA | MIGRANT EDUCATION STATE GRANT PROGRAM  |        | NYS EDUCATION DEPARTMENT  |                     |            |         | _         |              |
| MGRANT EDUCATION STATE GRANT PROGRAM AND FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN |  |        |   |                     |            |         |           |              |
| MIGRATI FEDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM MIGRATIC |  |        |   |                     |            |         | 52,122    |              |
| MIGRATT EDUCATION STATE GRANT PROGRAM MIGRATT EDUCATION STATE GRANT PR | MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM  | 84.011 | MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION FLORIDA DEPARTMENT OF EDUCATION |                     |            | 170 981 |           |              |
| MIGRANT EDUCATION STATE GRANT PROGRAM   MIGRANT EDUCATION STATE GRANT PROGRAM   SHORT   SECURITION   PONS-962/200000742   - 3.012   - 7.408,857  | MIGRANT EDUCATION STATE GRANT PROGRAM  |        | NATIONAL WRITING PROJECT CORPORATION  |                     | _          | 5 615   | _         |              |
| MIGRANT EDUCATION STATE GRAVIT PROGRAM   AND INCHARD RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN   LANGUAGE AND MERNATIONAL STUDIES PROGRAM AND FOREIGN LANGUAGE AND AREA STUDIES OF A 10.1  | MIGRANT EDUCATION STATE GRANT PROGRAM  | 84.011 | KENTUCKY DEPARTMENT OF EDUCATION  | PON25402100000982   | _          | 3,012   | _         |              |
| LINGUIGE AND INTERNATIONAL STUDIES PROGRAM AND FOREIGN LANGUIGES AND STUDIES AND STU | MIGRANT EDUCATION STATE GRANT PROGRAM  | 84.011 | KENTUCKY DEPARTMENT OF EDUCATION  | PON5402200000742    | _          | 17,151  | _         | 7,408,857    |
| FELLOWSHIP PROGRAM HIGHER EDUCATION INSTITUTIONAL AD A 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAREER AND TECHNICAL EDUCATION & BASIC GRANTS TO STATES BA 64.031  CAR | NATIONAL RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN   |        |   |                     |            |         |           |              |
| HIGHER EDUCATION INSTITUTIONAL AD HIGHER EDUCATION INSTITUTIONAL AD HIGHER EDUCATION INSTITUTIONAL AD HIGHER EDUCATION INSTITUTIONAL AD B4.031 |  | 84.015 | UNIVERSITY OF MAINE AT ORONO  | UMS1197             | _          | 91,281  | _         | 91,281       |
| HIGHER EDUCATION NSTITUTIONAL AD CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  8.048 NYS EDUCATION DEPARTMENT  8000206960   | HIGHER EDUCATION INSTITUTIONAL AID   |        |   |                     |            | _       | _         |              |
| CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  | HIGHER EDUCATION INSTITUTIONAL AID   |        |   |                     |            | _       | _         |              |
| CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  | HIGHER EDUCATION INSTITUTIONAL AID   |        |   |                     | 270,780    | _       | _         | 1,038,719    |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES  |  |        |   |                     | _          | (2,815) | _         |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES  |  |        |   |                     | _          | 22 272  | _         |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES  | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        |   |                     | _          |         |           |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES  |  |        |   |                     | _          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |  | 84.048 |   | 8000216870          | _          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION 8-ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000222600 — 251,942 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 800022600 — 122,112 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 800022610 — 66,234 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 800022610 — 144,345 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226800 — 219,802 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226800 — 219,802 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226800 — 141,617 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226800 — 141,617 — CAREER AND TECHNICAL EDUCATION 8-BOSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226800 — 149,148 — 1,199,061 REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.16 NYS OFFICE OF CHILDREN AND FAMILY SERVICES COUNTED AN | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        |   |                     | _          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION 8-BASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000222800 - 122,112   | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        |   |                     | _          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION - ABSC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228100 — 66.234 — CAREER AND TECHNICAL EDUCATION - BASC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228100 — 144.345 — CAREER AND TECHNICAL EDUCATION - BASC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228870 — 219.802 | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        | NTO EDUCATION DEPARTMENT  |                     | _          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES  | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        |   |                     | _          |         |           |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 800022880 - 219.802 - CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 800022880 - 141.617 - CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228905 - 149.148 - 1,199.061 REHABILITATION SERVICES VOCATIONAL REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS EDUCATION DEPARTMENT 67.07 - 6,439 - (1) - 6,439 - (1) - 7 - (1) - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) - 7 - (1) | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        |   |                     | =          |         | _         |              |
| CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228900 — 141.617 —  CAREER AND TECHNICAL EDUCATION - 8ASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000228905 — 149.148 — 1,199.061  REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS EDUCATION DEPARTMENT 600028905 — 6,439 | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  | 84.048 | NYS EDUCATION DEPARTMENT  | 8000226870          | _          | 219,802 | _         |              |
| CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES 84.048 NYS EDUCATION DEPARTMENT 8000226995 — 149,148 — 1,199,061 REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS EDUCATION DEPARTMENT C019387 — 6,439 — REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C01093 — (1) — REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C01029 — 6,017 — REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C210028 — 348,797 — REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES NA — 148,822 —   | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        | NYS EDUCATION DEPARTMENT  | 8000226890          | _          | 141,617 | _         |              |
| REHABILITATION SERVICES VOCATIONUAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C100193 — (1) — REHABILITATION SERVICES VOCATIONUAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C200129 — 46.017 REHABILITATION SERVICES VOCATIONUAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C210034 — 348,797 — REHABILITATION SERVICES VOCATIONUAL REHABILITATION GRANTS TO STATES 84.126 NYS USFICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS NA — 14,362 —  | CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES  |        | NYS EDUCATION DEPARTMENT  | 8000226995          | _          |         | _         | 1,199,061    |
| REHABILITATION SERVICES VOCATIONAL REHABILITATION GRAVITS TO STATES         84.126         NYS OFFICE OF CHILDREN AND FAMILY SERVICES         C200129         —         46.017         —           REHABILITATION SERVICES VOCATIONAL REHABILITATION GRAVITS TO STATES         84.126         NYS OFFICE OF CHILDREN AND FAMILY SERVICES         C210034         —         348,797         —           REHABILITATION SERVICES VOCATIONAL REHABILITATION GRAVITS TO STATES         84.126         NYS USTRICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS         NA         —         14.362         —   |  |        |   |                     | _          |         | _         |              |
| REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES C21008 — 348,797 — REHABILITATION SERVICES NA — 348,797 — 14,382 — 14,26 NYS UNSINCE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS NA — 14,382 — 14,282 — 14,283 — 14,284 — 14 |  |        |   |                     | _          |         | _         |              |
| REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS NA - 14,362 -   |  |        |   |                     | _          |         |           |              |
| REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES 84.126 NYS OFFICE OF CHILDREN AND FAMILY SERVICES T012316 — 1,195 —   |  |        |   |                     | =          |         | _         |              |
|  | REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES   |        | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  |                     | _          |         | _         |              |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance<br>listing |  |   | Direct                  | Pass-<br>through   | Passed-<br>through | Total<br>expenditures<br>by ALN and |
|---|-----------------------|--|---|-------------------------|--------------------|--------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor   | number                | Pass-through entity name   | Pass-through number                             | expenditures            | expenditures       | to subrecipients   | federal grantor                     |
| OTHER PROGRAMS: REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES  | 84.126                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | T012616   | s –                     | 29,837             |                    | 446.646                             |
| REHABILITATION CERVICES VOCATIONAL REHABILITATION GRANTS TO STATES  | 84.129                | NTO OTTICE OF CHEDICEN AND FAMILE SERVICES   | 1012010   | 215,244                 | 20,007             |                    | 215,244                             |
| MIGRANT EDUCATION COLLEGE ASSISTANCE MIGRANT PROGRAM  | 84.149                |  |   | 25,895                  | _                  | _                  |                                     |
| MIGRANT EDUCATION COLLEGE ASSISTANCE MIGRANT PROGRAM  | 84.149                |  |   | 365,649                 | _                  | _                  | 391,544                             |
| SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES NATIONAL PROGRAM   | 84.184                | NIAGARA FALLS CITY SCHOOL DISTRICT   | NA<br>FORGORDO                                  | _                       | 54,888             | _                  | 54,888                              |
| EDUCATION FOR HOMELESS CHILDREN AND YOUTH EDUCATION FOR HOMELESS CHILDREN AND YOUTH   | 84.196<br>84.196      | EASTERN SUFFOLK BOCES EASTERN SUFFOLK BOCES  | 5890000000<br>5891000000                        | _                       | 95<br>4,537        | _                  |                                     |
| EDUCATION FOR HOMELESS CHILDREN AND YOUTH   | 84.196                | EASTERN SUFFOLK BOCES  | NA NA   | =                       | 9.876              | =                  | 14.508                              |
| GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED   | 84.200                |  |   | 189,302                 |                    | _                  | ,                                   |
| GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED   | 84.200                |  |   | 68,776                  | _                  | _                  |                                     |
| GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED   | 84.200                |  |   | 201,498                 | _                  | _                  |                                     |
| GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED   | 84.200<br>84.200      |  |   | 95,551<br>77 448        | _                  | _                  |                                     |
| GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED   | 84.200                |  |   | 77,448<br>86,235        |                    | _                  | 718.810                             |
| CHARTER SCHOOLS   | 84.282                | INSTITUTE FOR EXCELLENCE IN EDUCATION  | NA  |                         | (5,422)            | _                  | (5,422)                             |
| TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS   | 84.287                | NYS EDUCATION DEPARTMENT   | C403011   | _                       | 178,934            | 42,862             |                                     |
| TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS   | 84.287C               | NYS EDUCATION DEPARTMENT   | C014247   | _                       | 330,043            | 124,517            | 508,977                             |
| SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES  | 04.005                | DESCRIPCIO ESCUNDATION OF STRUMNEDSITY OF MENUVODIA  | 0400000700 00 40440 00 04                       |                         | 0.440              |                    |                                     |
| SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN  | 84.325                | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK   | CM00000796 00 46442-00 01                       | _                       | 2,419              | _                  |                                     |
| WITH DISABILITIES   | 84.325                |  |   | 45,056                  | _                  | _                  | 47 475                              |
| GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS  | 84.334                | NYS HIGHER EDUCATION SERVICES CORPORATION  | C003043   |                         | 54,255             | _                  | 54,255                              |
| CHILD CARE ACCESS MEANS PARENTS IN SCHOOL   | 84.335                |  |   | 63,697                  |                    | _                  | 63,697                              |
| IMPROVING TEACHER QUALITY STATE GRANTS  | 84.367                | STATE UNIVERSITY OF NEW YORK   | C001279   | _                       | 91,630             | _                  | 91,630                              |
| SCHOOL IMPROVEMENT GRANTS   | 84.377                | ROCHESTER CITY SCHOOL DISTRICT   | N/A   | _                       | 2,210              |                    | 2,210                               |
| COVID-19 - EDUCATION STABILIZATION FUND<br>COVID-19 - EDUCATION STABILIZATION FUND  | 84.425G<br>84.425D    | SUNY SYSTEM ADMINISTRATION<br>NYS EDUCATION DEPARTMENT   | C003879<br>C013716                              | _                       | 306,102<br>768,800 | 151,608<br>61,000  | 1,074,902                           |
|   | 04.423D               | NTS EDUCATION DEPARTMENT   | C013716   |                         |                    |                    |                                     |
| Total U.S. Department of Education  |                       |  |   | 2,473,070               | 10,962,960         | 432,109            | 13,436,030                          |
| U.S. Department of Health and Human Services:   |                       |  |   |                         |                    |                    |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                |  |   | 176                     | _                  | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                |  |   | 4,755                   | _                  | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                |  |   | 94,240                  | _                  | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000<br>93.000      |  |   | 8,141,219<br>2,036,290  | _                  | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES  DEPARTMENT OF HEALTH AND HUMAN SERVICES  | 93.000                |  |   | 2,036,290               | _                  | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                | ERIE COUNTY  | 4000019822                                      | 2,000                   | 205.695            | =                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                | HEALTH RESEARCH INC  | 548706  | _                       | 35,878             | _                  |                                     |
| DEPARTMENT OF HEALTH AND HUMAN SERVICES   | 93.000                | ISLAND PEER REVIEW ORGANIZATION  | NA  | _                       | 4,648              | _                  | 10,524,901                          |
| LIFESPAN RESPITE CARE PROGRAM   | 93.072                | LIFESPAN OF GREATER ROCHESTER INCORPORATED   | NA NA   | _                       | 146,733            | _                  | 146,733                             |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS<br>(PHEP) ALIGNED COOPERATIVE AGREEMENTS<br>HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS   | 93.074                | PUBLIC HEALTH SOLUTIONS  | 19RFS02 P076621                                 | _                       | 18,250             | _                  |                                     |
| (PHEP) ALIGNED COOPERATIVE AGREEMENTS   | 93.074                | PUBLIC HEALTH SOLUTIONS  | 19RFS02 P076622                                 | _                       | 35,724             | _                  |                                     |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS  | 93.074                | HEALTH RESEARCH INC  | 285716  | _                       | 19,342             | -                  |                                     |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS  | 93.074                | HEALTH RESEARCH INC  | 4869-08   | _                       | 43.059             | _                  |                                     |
| HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP)   | 55.57 4               | TO ETT TESE VOTING   | 4000 00   |                         | 40,000             |                    |                                     |
| ALIGNED COOPERATIVE AGREEMENTS  | 93.074                | HEALTH RESEARCH INC  | N/A   | _                       | 12,296             | _                  | 128,671                             |
| PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES   | 93.084                |  |   | 97,571                  | _                  | 31,341             | 97,571                              |
| AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM AFFORDABLE CARE ACT (ACA) HEALTH PROFESSION OPPORTUNITY GRANTS  | 93.092<br>93.093      | NYS DEPARTMENT OF HEALTH ACTION FOR A BETTER COMMUNITY INCORPORATED  | DOH01C32087GG3450000<br>90FX0055                | _                       | 321,578<br>35,287  | _                  | 321,578<br>35,287                   |
| COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL  | 93.093                | ACTION FOR A BETTER COMMONITY INCORPORATED   | 90FX0033  | _                       | 35,201             | _                  | 33,267                              |
| DISTURBANCES (SED)  | 93.104                | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 145174  | _                       | 38,469             | _                  |                                     |
| COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL  |                       |  |   |                         |                    |                    |                                     |
| DISTURBANCES (SED) COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL   | 93.104                | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 149378  | _                       | 59,888             | _                  |                                     |
| DISTURBANCES (SED)  | 93.104                | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 155002  | _                       | 191,441            | _                  |                                     |
| COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)   | 93.104                | CHAUTAUQUA COUNTY DEPARTMENT OF MENTAL HYGIENE   | 21-33-24/SUNY.19                                |                         | 100 700            |                    | 419.584                             |
| AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AN ENHANCEMENT AWARDS  | 93.104                | CHAUTAUQUA COUNTY DEPARTMENT OF MENTAL HYGIENE   | 21-33-24/5UNY.19                                | 388 581                 | 129,786            | 309.016            | 419,584                             |
| AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AN ENHANCEMENT AWARDS  | 93.107                |  |   | 1,076,788               |                    | 872,131            | 1.465.369                           |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110                |  |   | (54)                    | _                  | -                  | 1,400,000                           |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110                |  |   | 340,203                 | _                  | _                  |                                     |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110                |  |   | 292,113                 | _                  | _                  |                                     |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110                | UNIVERSITY OF ROCHESTER  | 417855  | _                       | 3,394              | _                  |                                     |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110                |  |   | 74,486                  | _                  | _                  |                                     |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS   | 93.110<br>93.110      | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C028140   | 3,559                   | 94,710             | _                  |                                     |
| MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS  MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS  | 93.110                | UNIVERSITY OF ROCHESTER  | CU2814U<br>SUB00000186URFAOGR531649             | =                       | 10.765             | _                  | 819 176                             |
| PREVENTIVE MEDICINE RESIDENCY   | 93.117                | II. I. NOONEOLEN   | 00000001000117001001040                         | 446,763                 | .0,733             |                    | 0.0,170                             |
| PREVENTIVE MEDICINE RESIDENCY   | 93.117                |  |   | 9,118                   | _                  | _                  | 455,881                             |
| NURSE ANESTHETIST TRAINEESHIP   | 93.124                |  |   | 23,602                  | _                  | _                  | 23,602                              |
| EMERGENCY MEDICAL SERVICES FOR CHILDREN   | 93.127                |  |   | 435,971                 | _                  | 190,269            | 435,971                             |
| INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS   | 93.136                | HEALTH RESEARCH INC  | 548705  | _                       | 89,296             | _                  | 89,296                              |
| AIDS EDUCATION AND TRAINING CENTERS AIDS EDUCATION AND TRAINING CENTERS   | 93.145<br>93.145      | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK<br>TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | 10GG01490504 SAPO G14835<br>10GG01490506 G15821 | _                       | 5,897<br>25,353    | _                  |                                     |
| AIDS EDUCATION AND TRAINING CENTERS AIDS EDUCATION AND TRAINING CENTERS   | 93.145<br>93.145      | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK    | 10GG01490506 G15821<br>1GG01742201              | _                       | 25,353<br>39.665   | _                  |                                     |
| AIDS EDUCATION AND TRAINING CENTERS  AIDS EDUCATION AND TRAINING CENTERS  | 93.145<br>93.145      | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK    | 9(GG014905-03) POG14829                         | =                       | 39,665<br>13,681   | _                  |                                     |
| AIDS EDUCATION AND TRAINING CENTERS   | 93.145                | TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK    | GG014905-05) POG14829                           |                         | 140.181            | _                  |                                     |
| AIDS EDUCATION AND TRAINING CENTERS   | 93.145                | HEALTH RESEARCH INC  | N/A   | _                       | 40,538             | _                  | 265,315                             |
|   |                       |  |   |                         |                    |                    |                                     |
| COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH   | 93.153                |  |   | 229,713                 | _                  | _                  |                                     |
| ADS EDUCATIVENDED FRANCISCEN EAST OF SEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH |                       |  |   | 229,713<br>60,601<br>20 | _                  | 30,987             |                                     |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|   | Assistance<br>listing |  |   | Direct                 | Pass-<br>through         | Passed-<br>through     | Total<br>expenditures<br>by ALN and |
|---|-----------------------|--|---|------------------------|--------------------------|------------------------|-------------------------------------|
| Federal grantor/federal subdivision or pass-through grantor   | number                | Pass-through entity name   | Pass-through number                                   | expenditures           | expenditures             | to subrecipients       | federal grantor                     |
| R PROGRAMS:<br>COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH  | 93.153                |  |   | \$ 672.568             | _                        | _                      |                                     |
| COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH   | 93.153                |  |   | 261,036                | _                        | 65,534                 | 1,223,938                           |
| RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES  | 93.226                | KENT STATE UNIVERSITY  | 403053-SUNY   |                        | 53,379                   |                        | 53,379                              |
| GRANTS TO STATES TO SUPPORT ORAL HEALTH WORKFORCE ACTIVITIES  | 93.236                | HEALTH RESEARCH INC  | 579703  | _                      | 8,740                    | _                      | 8,740                               |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE                 | 93.243<br>93.243      | RESEARCH FOUNDATION FOR MENTAL HYGIENE<br>RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 153321<br>155651                                      | _                      | 25,007<br>12 125         | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE<br>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE              | 93.243<br>93.243      | RESEARCH FOUNDATION FOR MENTAL HYGIENE<br>ERIE COUNTY DEPARTMENT OF MENTAL HEALTH  | 155651<br>19826MH                                     | _                      | 12,125<br>319,852        | _                      |                                     |
| SUBSTANCE ABOSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                | ENE COUNTY DEPARTMENT OF MENTAL HEALTH   | 13020WI1  | 83.802                 | 319,002                  | =                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 3,382                  | _                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 34,740                 | _                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 52,972                 | -                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243<br>93.243      | CHAUTAUQUA COUNTY DEPARTMENT OF MENTAL HYGIENE<br>RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 21 33 26<br>27291                                     | _                      | 18,468                   | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE<br>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE              | 93.243                | RESEARCH FOUNDATION FOR MENTAL HYGIENE   | 2/291   | 99.217                 | 6,529                    | _                      |                                     |
| SUBSTANCE ABOSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 52.666                 | _                        |                        |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 77,246                 | _                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 197,666                | _                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                |  |   | 152,276                | -                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE<br>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE              | 93.243<br>93.243      |  |   | 293,798<br>51 762      | _                        | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE                 | 93.243                |  |   | 117,674                | _                        | _                      |                                     |
| SUBSTANCE ABOSE AND MENTAL REALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE                 | 93.243                |  |   | 83,578                 | _                        | _                      |                                     |
| SUBSTANCE ABOSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                | BESTSELF BEHAVIORAL HEALTH INCORPORATED  | N/A   | - 05,576               | 75,042                   | =                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                | CRISIS SERVICES INCORPORATED   | NA  | _                      | 56,201                   | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                | COUNCIL ON ADDICTION RECOVERY SERVICES   | NA NA   | _                      | 6,264                    | _                      |                                     |
| SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE   | 93.243                | MENTAL HEALTH SERVICES ERIE COUNTY SOUTH EAST CORPORATION V  | NA NA   |                        | 1,940                    | _                      | 1,822,207                           |
| ADVANCED NURSING EDUCATION GRANT PROGRAM<br>ADVANCED NURSING EDUCATION GRANT PROGRAM  | 93.247<br>93.247      |  |   | (56,329)               | _                        | _                      |                                     |
| ADVANCED NURSING EDUCATION GRANT PROGRAM<br>ADVANCED NURSING EDUCATION GRANT PROGRAM  | 93.247                | MARY IMOGENE BASSETT HOSPITAL  | ANE-NPR BINGHAMTON                                    | 624,945                | 43,132                   | _                      |                                     |
| ADVANCED NURSING EDUCATION GRANT PROGRAM  | 93.247                | WART WOODENE BASSETT HOSPITAL  | ANC-NET BINGLAM TON                                   | 813,215                | 45,152                   |                        | 1,424,963                           |
| GERIATRIC ACADEMIC CAREER AWARDS DEPARTMENT OF HEALTH AND HUMAN SERVICES  | 93.250                |  |   | 1,127                  | _                        | _                      | .,,                                 |
| GERIATRIC ACADEMIC CAREER AWARDS DEPARTMENT OF HEALTH AND HUMAN SERVICES  | 93.250                |  |   | 71,974                 | _                        | _                      | 73,101                              |
| POISON CENTER SUPPORT AND ENHANCEMENT GRANT   | 93.253                |  |   | 175,305                | _                        | _                      |                                     |
| POISON CENTER SUPPORT AND ENHANCEMENT GRANT   | 93.253                | IONIN COLLOCI OF MEDICINE AT MOUNT COLL  | 005074044000  | 337,677                |                          | _                      | 512,982                             |
| DCCUPATIONAL SAFETY AND HEALTH PROGRAM<br>IMMUNIZATION COOPERATIVE AGREEMENTS   | 93.262<br>93.268      | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI<br>ONONDAGA COUNTY   | 025371314609<br>14721                                 | _                      | 5,291<br>28.951          | _                      | 5,291                               |
| MMUNIZATION COOPERATIVE AGREEMENTS  | 93.268                | ONONDAGA COUNTY  | 35719   | _                      | 12,037                   | _                      | 40.988                              |
| DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS  | 93.276                | CHORD/G/COCKIT   | 00/10   | 43,941                 | 12,007                   | _                      | 40,000                              |
| DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS  | 93.276                | COUNCIL ON ADDICTION RECOVERY SERVICES   | NA  | _                      | 4,236                    | _                      | 48,177                              |
| CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE  | 93.283                | CERNER CORPORATION   | 75D30120C08752  | _                      | 119,078                  | _                      | 119,078                             |
| NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS   | 93.300                |  |   | 189,713                | _                        | _                      |                                     |
| NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS<br>COVID-19 - PROTECTING AND IMPROVING HEALTH GLOBALLY: BUILDING AND STRENGTHENING PUBLIC   | 93.300                |  |   | 362,926                | _                        | _                      | 552,639                             |
| HEALTH IMPACT, SYSTEMS, CAPACITY AND SECURITY   | 93.318                | AMERICAN COLLEGE HEALTH ASSOCIATION  | 101   | _                      | 1,731                    | _                      | 1 731                               |
| NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS  | 93.359                |  |   | 583,547                | _                        | 36,360                 | 583,547                             |
| NON-ACA/PPHF-BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION  |                       |  |   |                        |                          |                        |                                     |
| HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS   | 93.424                | CATHOLIC CHARITIES AIDS SERVICES   | N/A   | _                      | 2,920                    | _                      | 2,920                               |
| EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS   | 93.434                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C028479   | _                      | 887,176                  | _                      |                                     |
| EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS<br>ACL ASSISTIVE TECHNOLOGY   | 93.434<br>93.464      | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS                       | C028961<br>JUS01C00137GG1420000                       | _                      | 598,601<br>77,476        | _                      | 1,485,777                           |
| ACL ASSISTIVE TECHNOLOGY<br>ACL ASSISTIVE TECHNOLOGY  | 93.464                | NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS  NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS | JUS01C00137GG1420000<br>JUS01C00138GG1420000          |                        | 39.134                   | =                      |                                     |
| ACL ASSISTIVE TECHNOLOGY  | 93.464                | NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS   | JUS01C10007GG1420000                                  | _                      | 30,963                   | _                      |                                     |
| ACL ASSISTIVE TECHNOLOGY  | 93.464                | NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS   | JUS01C10007GG1420000 TR7GG                            | _                      | 27,872                   | _                      |                                     |
| ACL ASSISTIVE TECHNOLOGY  | 93.464                | NYS JUSTICE CENTER FOR THE PROTECTION OF PEOPLE WITH SPECIAL NEEDS   | N/A   | _                      | 32,422                   | _                      | 207,867                             |
| PROMOTING SAFE AND STABLE FAMILIES  | 93.556                | CATHOLIC FAMILY CENTER OF ROCHESTER  | 22239   | _                      | 45,088                   | _                      |                                     |
| PROMOTING SAFE AND STABLE FAMILIES  | 93.556                | CATHOLIC FAMILY CENTER OF ROCHESTER  | N/A   | _                      | 68,795                   | _                      | 113,883                             |
| TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES   | 93.558<br>93.558      | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>FRANKLIN COUNTY DEPARTMENT OF SOCIAL SERVICES                                       | C003860<br>N/A  | =                      | 2,798,269<br>10.875      | _                      |                                     |
| TEMPORARY ASSISTANCE FOR NEEDY FAMILIES   | 93.558                | CLINTON COUNTY DEPARTMENT OF SOCIAL SERVICES   | N/A   | =                      | 48.685                   | =                      |                                     |
| TEMPORARY ASSISTANCE FOR NEEDY FAMILIES   | 93.558                | ESSEX COUNTY DEPARTMENT OF SOCIAL SERVICES   | N/A   | _                      | 42.750                   | _                      |                                     |
| TEMPORARY ASSISTANCE FOR NEEDY FAMILIES   | 93.558                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | NA NA   | _                      | 184,236                  | _                      | 3,084,815                           |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C005377   | _                      | (1,141)                  | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563<br>93.563      | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C005380<br>C005505                                    | _                      | (62)                     | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C190193   | _                      | (3,559)                  | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200129   | =                      | 63.051                   | =                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C200129   |                        | 486.642                  |                        |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C200146   | _                      | 123,365                  | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C200148   | _                      | 1,000,518                | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | C210062   | _                      | 918,262                  | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE                                     | C210063   | =                      | 424,759                  | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT CHILD SUPPORT ENFORCEMENT   | 93.563<br>93.563      |  | C210066<br>C210068                                    | _                      | 307,580<br>75.276        | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE<br>NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE                                     | C210068<br>N/A  | =                      | 75,276<br>28.679         | _                      |                                     |
| CHILD SUPPORT ENFORCEMENT   | 93.563                | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE  | NA NA   | =                      | 51,854                   | _                      | 3,475,223                           |
| COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS   | 93.590                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200044   | _                      | 41,337                   | _                      | ., .,                               |
| COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS   | 93.590                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200045   | _                      | 417,931                  | _                      |                                     |
| COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS   | 93.590                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C200047   | _                      | 80,154                   | _                      |                                     |
| COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS   | 93.590                | NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C210046   | _                      | 86,850                   | _                      |                                     |
| COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS<br>COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS  | 93.590<br>93.590      | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES   | C210047<br>C210048                                    | =                      | 1,077,228<br>208.244     | =                      | 1.911.744                           |
| ASSISTANCE FOR TORTURE VICTIMS  | 93.590                | JEWISH FAMILY SERVICES   | 90ZT02120300  | =                      | 16.814                   |                        | 1,911,744                           |
|   | 93.604                | JEWISH FAMILY SERVICES  JEWISH FAMILY SERVICES   | 902 102 120300<br>NA                                  | =                      | 29,314                   | =                      | 46.128                              |
| ASSISTANCE FOR TORTURE VICTIMS  |                       |  | ***   |                        | ,/                       |                        | ,120                                |
| ASSISTANCE FOR TORTURE VICTIMS<br>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION  | 93.648                |  |   | 2,089,278              | _                        | 1,591,788              |                                     |
| ASSISTANCE FOR TORTURE VICTIMS<br>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION<br>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION  | 93.648                |  |   | 2,089,278<br>2,645,317 | =                        | 1,591,788<br>1,565,650 | 4,734,595                           |
| ASSISTANCE FOR TORTURE VICTMS CHLD WELFARE RESEARCH TRAINING OR DEMONSTRATION CHLD WELFARE RESEARCH TRAINING OR DEMONSTRATION CHLD WELFARE RESEARCH TRAINING OR DEMONSTRATION FOOTER CARE THILE IVE | 93.648<br>93.658      | STONY BROOK UNIVERSITY   | C002361   |                        | —<br>74                  |                        | 4,734,595                           |
| ASSISTANCE FOR TORTURE VICTIMS<br>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION<br>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION  | 93.648                | STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY   | C002361<br>C002772 PO115531615<br>C002773 PO120461947 |                        | 74<br>226,623<br>114,774 |                        | 4,734,595                           |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

|  | Assistance        |   |                              | Pina                | Pass-                | Passed-                     | Total expenditures            |
|--|-------------------|---|------------------------------|---------------------|----------------------|-----------------------------|-------------------------------|
| Federal grantor/federal subdivision or pass-through grantor  | listing<br>number | Pass-through entity name  | Pass-through number          | Direct expenditures | through expenditures | through<br>to subrecipients | by ALN and<br>federal grantor |
| OTHER PROGRAMS: FOSTER CARE TITLE IV-E   | 93.658            | NIVO OFFICE OF OUR DREN AND FAMILY OFFICE   | C190189                      | s –                 | (33)                 |                             |                               |
| FOSTER CARE TITLE IV-E FOSTER CARE TITLE IV-E  | 93.658            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES                   | C190189<br>C190192           | • –                 | (1.581)              | _                           |                               |
| FOSTER CARE TITLE IV-E   | 93.658            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C200120                      | _                   | 15,794               | _                           |                               |
| FOSTER CARE TITLE IV-E FOSTER CARE TITLE IV-E  | 93.658<br>93.658  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES                | C200128<br>C200129           | _                   | 393,919<br>117.373   | _                           |                               |
| FOSTER CARE TITLE IV-E   | 93.658            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C200129<br>C200135           | =                   | 754,086              | =                           |                               |
| FOSTER CARE TITLE IV-E   | 93.658            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C210080                      | _                   | 604,695              | _                           | 2,177,385                     |
| ADOPTION ASSISTANCE<br>ADOPTION ASSISTANCE   | 93.659<br>93.659  | STONY BROOK UNIVERSITY NYS OFFICE OF CHILDREN AND FAMILY SERVICES                                       | C002361<br>C190192           | _                   | 1,104<br>(7,077)     | _                           |                               |
| ADOPTION ASSISTANCE<br>ADOPTION ASSISTANCE   | 93.659            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C190192<br>C190198           | _                   | (1)                  | =                           | (5,974)                       |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | DUTCHESS COUNTY DEPARTMENT OF COMMUNITY AND FAMILY SERVICES   | 19-0532-12/19-SS-AL          | _                   | 22,872               | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT<br>SOCIAL SERVICES BLOCK GRANT   | 93.667<br>93.667  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>STONY BROOK UNIVERSITY                                    | 190194<br>C002361            | _                   | (1)<br>1.763         | =                           |                               |
| SOCIAL SERVICES BLOCK GRANT<br>SOCIAL SERVICES BLOCK GRANT   | 93.667            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C190192                      | _                   | (11.302)             | =                           |                               |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | C190197                      | _                   | (1)                  | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT<br>SOCIAL SERVICES BLOCK GRANT   | 93.667<br>93.667  | NYS OFFICE OF CHILDREN AND FAMILY SERVICES<br>NYS OFFICE OF CHILDREN AND FAMILY SERVICES                | C190198<br>C200132           | _                   | (2)<br>53,959        | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | NYS OFFICE OF CHILDREN AND FAMILITY ASSISTANCE  | C200132<br>C200145           | _                   | 156,199              | =                           |                               |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE   | C210069                      | _                   | 126,270              | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT<br>SOCIAL SERVICES BLOCK GRANT   | 93.667<br>93.667  | ERIE COUNTY DEPARTMENT OF SOCIAL SERVICES ALBANY COUNTY DEPARTMENT FOR CHILDREN YOUTH AND FAMILIES      | ED 4447C                     | _                   | 463,137<br>25.768    | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT SOCIAL SERVICES BLOCK GRANT  | 93.667            | ONTARIO COUNTY DEPARTMENT FOR CHILDREN YOUTH AND FAMILIES  ONTARIO COUNTY DEPARTMENT OF SOCIAL SERVICES | N/A<br>N/A                   | _                   | 25,768<br>51.153     | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE   | N/A                          | _                   | 28,427               | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT<br>SOCIAL SERVICES BLOCK GRANT   | 93.667<br>93.667  | ERIE COUNTY DEPARTMENT OF SOCIAL SERVICES DUTCHESS COUNTY DEPARTMENT OF COMMUNITY AND FAMILY SERVICES   | N/A<br>N/A                   | _                   | 353,432<br>10,858    | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT SOCIAL SERVICES BLOCK GRANT  | 93.667            | OSWEGO COUNTY DEPARTMENT OF SOCIAL SERVICES   | N/A<br>NA                    | _                   | 31.274               | _                           |                               |
| SOCIAL SERVICES BLOCK GRANT  | 93.667            | NYS OFFICE OF CHILDREN AND FAMILY SERVICES  | T210077                      | _                   | 45,381               | _                           | 1,359,187                     |
| ENDING THE HIV EPIDEMIC: A PLAN FOR AMERICA — RYAN WHITE HIV/AIDS PROGRAM PARTS A AND B (B)  | 93.686<br>93.732  | PUBLIC HEALTH SOLUTIONS   | 21BHO364                     | 688.123             | 141,464              | _                           | 141,464                       |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS  | 93.732            |   |                              | 107.979             | =                    | _                           |                               |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS   | 93.732            |   |                              | 143,781             | _                    | _                           |                               |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS  | 93.732<br>93.732  |   |                              | 74,121              | _                    | _                           |                               |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS  | 93.732<br>93.732  |   |                              | 267,424<br>405,588  | _                    | _                           |                               |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS   | 93.732            |   |                              | 108,042             | _                    | _                           |                               |
| MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS   | 93.732            | ANYO DEDARTMENT OF USA TU   | ***                          | 29,586              | -                    | _                           | 1,824,644                     |
| CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH, DEMONSTRATIONS AND EVALUATIONS<br>CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH, DEMONSTRATIONS AND EVALUATIONS | 93.779<br>93.779  | NYS DEPARTMENT OF HEALTH<br>NYS OFFICE FOR PEOPLE WITH DEV DISABILITIES                                 | N/A<br>N/A                   |                     | 56,921<br>209,609    | _                           | 266.530                       |
| OPIOID STR   | 93.788            | RESEARCH FOUNDATION FOR MENTAL HYGIENE  | 145368                       | _                   | 33,647               | _                           | 33,647                        |
| HEALTH CAREERS OPPORTUNITY PROGRAM   | 93.822            |   |                              | 351,699             | _                    | 116,660                     |                               |
| HEALTH CAREERS OPPORTUNITY PROGRAM SECTION 223 DEMONSTRATION PROGRAMS TO IMPROVE COMMUNITY MENTAL HEALTH SERVICES  | 93.822<br>93.829  | MID ERIE MENTAL HEALTH SERVICES   | H79SM083096                  | 217,653             | 83,052               | 50,243                      | 569,352                       |
| SECTION 223 DEMONSTRATION PROGRAMS TO IMPROVE COMMUNITY MENTAL HEALTH SERVICES   | 93.829            | MENTAL HEALTH SERVICES ERIE COUNTY SOUTH EAST CORPORATION V   | NA NA                        | _                   | 1,886                | _                           | 84,938                        |
| ACL CENTERS FOR INDEPENDENT LIVING, RECOVERY ACT   | 93.844            |   |                              | 369,432             | _                    | _                           | 369,432                       |
| GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT  | 93.884<br>93.884  |   |                              | 186,116<br>170,744  | _                    | _                           |                               |
| GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT   | 93.884            |   |                              | 9,478               | =                    | _                           |                               |
| GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT   | 93.884            |   |                              | 347,076             | _                    | _                           | 713,414                       |
| NATIONAL BIOTERRORISM HOSPITAL PREPAREDNESS PROGRAM<br>RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL   | 93.889            | PUBLIC HEALTH SOLUTIONS   | 19RFS01_AMD2 P076621 P079020 | _                   | 225                  | _                           | 225                           |
| HEALTH CARE PROVIDER QUALITY IMPROVEMENT   | 93.912            |   |                              | 215,830             | _                    | 107,875                     |                               |
| RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL  |                   |   |                              |                     |                      |                             |                               |
| HEALTH CARE PROVIDER QUALITY IMPROVEMENT HIV EMERGENCY RELIEF PROJECT GRANTS   | 93.912<br>93.914  | PUBLIC HEALTH SOLUTIONS   | 15SCG364                     | 164,137             | 321 295              | 81,274                      | 379,967                       |
| HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914            | PUBLIC HEALTH SOLUTIONS   | 18CCR364                     | _                   | 1,260,757            | 262,152                     |                               |
| HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914            | UNITED WAY OF LONG ISLAND   | 20724                        | _                   | (1,106)              | _                           |                               |
| HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914<br>93.914  | UNITED WAY OF LONG ISLAND<br>UNITED WAY OF LONG ISLAND  | 20725<br>21724               | _                   | (779)<br>90.058      | _                           |                               |
| HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914            | UNITED WAY OF LONG ISLAND UNITED WAY OF LONG ISLAND   | 21724                        | _                   | 161.961              | _                           |                               |
| HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914            | UNITED WAY OF LONG ISLAND   | 219800                       | _                   | 7,000                | _                           |                               |
| HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS  | 93.914<br>93.914  | PUBLIC HEALTH SOLUTIONS<br>UNITED WAY OF LONG ISLAND  | 22HRM364P<br>NA              | _                   | 460,079<br>39,702    | _                           | 2,338,967                     |
| HIV CARE FORMULA GRANTS  | 93.917            | HEALTH RESEARCH INC   | 509006                       | _                   | (7,898)              | _                           | 2,330,807                     |
| HIV CARE FORMULA GRANTS  | 93.917            | HEALTH RESEARCH INC   | 509007                       | -                   | (150)                | _                           |                               |
| HIV CARE FORMULA GRANTS GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE   | 93.917<br>93.918  | HEALTH RESEARCH INC   | 690101                       | (100)               | 159,316              | _                           | 151,268                       |
| GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE   | 93.918            |   |                              | 30,893              | =                    | _                           |                               |
| GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE   | 93.918            |   |                              | 430,978             | _                    | _                           |                               |
| GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE<br>SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE  | 93.918<br>93.928  |   |                              | 651,508<br>132,420  | _                    | 62,147<br>103.621           | 1,113,279                     |
| SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE  | 93.928            |   |                              | 39.128              | =                    | 100,021                     | 171,548                       |
| ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL   | 93.945            | HEALTH RESEARCH INC   | 703801                       |                     | 44,682               | _                           | 44,682                        |
| PPHF GERIATRIC EDUCATION CENTERS PPHF GERIATRIC EDUCATION CENTERS  | 93.969<br>93.969  |   |                              | 3,510<br>75,670     | -                    | 28.309                      |                               |
| PPHF GERIATRIC EDUCATION CENTERS  PPHF GERIATRIC EDUCATION CENTERS   | 93.969            |   |                              | 696.020             | _                    | 20,309                      |                               |
| PPHF GERIATRIC EDUCATION CENTERS   | 93.969            | CLINTON COUNTY OFFICE FOR THE AGING   | N/A                          | _                   | 2,798                | _                           | 777,998                       |
| MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES   | 93.994            | NYS DEPARTMENT OF HEALTH  | DOH01C32361GG3450000         | _                   | 39,092               | _                           |                               |
| MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES   | 93.994            | NYS DEPARTMENT OF HEALTH  | DOH01C32413GG3450000         |                     | 12,152               |                             | 51,244                        |
| Total U.S. Department of Health and Human Services   |                   |   |                              | 29,791,570          | 19,534,275           | 5,620,131                   | 49,325,845                    |
| Corporation for National and Community Service:  | 04.000            |   |                              | 27.000              |                      |                             |                               |
| RETIRED AND SENIOR VOLUNTEER PROGRAM RETIRED AND SENIOR VOLUNTEER PROGRAM  | 94.002<br>94.002  |   |                              | 27,068<br>73,398    | _                    | _                           | 100 466                       |
|  | 54.002            |   |                              | 100.466             |                      |                             |                               |
| Total Corporation for National and Community Service   |                   |   |                              | 100,466             |                      |                             | 100,466                       |
| Research and Data Analysis: RESEARCH AND DATA ANALYSIS   | 95.007            | UNIVERSITY OF BALTIMORE   | 33                           | _                   | 174 315              | 174,315                     |                               |
| RESEARCH AND DATA ANALYSIS   | 95.007            | UNIVERSITY OF BALTIMORE   | 33                           | =                   | (27,650)             |                             | 146,665                       |
| Total Research and Data Analysis   |                   |   |                              |                     | 146.665              | 174,315                     | 146.665                       |
| ·  |                   |   |                              |                     | ,                    | ,                           | ,300                          |

### Supplementary Schedule of Expenditures of Federal Awards

Year ended June 30, 2022

| Federal grantor/federal subdivision or pass-through grantor | Assistance<br>listing<br>number | Pass-through entity name  | Pass-through number | Direct expenditures | Pass-<br>through<br>expenditures | Passed-<br>through<br>to subrecipients | Total<br>expenditures<br>by ALN and<br>federal grantor |
|---|---------------------------------|---|---------------------|---------------------|----------------------------------|--|--|
| OTHER PROGRAMS: Federal Emergency Management Agency:        |                                 |   |                     |                     |                                  |  |  |
| HAZARD MITIGATION GRANT                                     | 97.039                          | NYS DIVISION OF HOMELAND SECURITY AND EMERGENCY MANAGEMENT SERVICES | C000832             | s –                 | 2,080                            | _                                      |  |
| HAZARD MITIGATION GRANT                                     | 97.039                          | NYS DIVISION OF HOMELAND SECURITY AND EMERGENCY MANAGEMENT SERVICES | C000833             |                     | 94,389                           | _                                      |  |
| HAZARD MITIGATION GRANT                                     | 97.039                          | NYS DIVISION OF HOMELAND SECURITY AND EMERGENCY MANAGEMENT SERVICES | C000877             | _                   | 63,621                           | _                                      | 160,090  |
| CENTERS FOR HOMELAND SECURITY                               | 97.061                          | ARIZONA BOARD OF REGENTS  | ASUB00001039        |                     | 63,163                           |  | 63,163   |
| Total Federal Emergency Management Agency                   |                                 |   |                     |                     | 223,253                          |  | 223,253  |
| Agency for International Development:                       |                                 |   |                     |                     |                                  |  |  |
| USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS              | 98.001                          | SOUTHERN AFRICAN PARLIAMENTARY SUPPORT TRUST                        | 72061320CA00003     |                     | 521,996                          |  | 521,996  |
| Total Agency for International Development                  |                                 |   |                     |                     | 521,996                          |  | 521,996  |
| TOTAL OTHER PROGRAMS  |                                 |   |                     | 53,088,886          | 37,566,964                       | 14,879,284                             | 90,655,850   |
| TOTAL EXPENDITURES OF FEDERAL AWARDS                        |                                 |   |                     | \$ 454,667,032      | 133,225,775                      | 91,449,484                             | 587,892,807  |
|   |                                 |   |                     |                     |                                  |  |  |

See accompanying notes to the Supplementary Schedule of Expenditures of Federal Awards.

Notes to the Schedule of Expenditures of Federal Awards Year ended June 30, 2022

### (1) Significant Accounting Policies Used in Preparing the SEFA

The accompanying schedule of expenditures of federal awards (the Schedule) presents the direct and indirect expenditures of federal financial assistance programs administered by The Research Foundation for The State University of New York (the RF). The information in this schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

The amounts reported were obtained from the RF's general ledger, which is the source of the federal financial reports and is maintained on an accrual basis. However, the Schedule is prepared on the cash basis. Negative amounts represent adjustments to expenditures reported in prior years in the normal course of business. Pass through amounts are reported under the related Assistance Listing number, as indicated on the schedule. Assistance Listing and pass through numbers are presented where available. Amounts passed through to subrecipients are reported separately on the Schedule.

### (2) 10% De Minimis Cost Rate

The auditee did not elect to use the 10% de minimis cost rate as covered in 2 CFR 200.414 Indirect (F&A) cost.

### (3) Direct and Indirect Federal Award Expenditures

Federal award expenditures consist of direct and indirect costs, which are commonly referred to as facilities and administrative (F&A) costs. Direct costs are those that can be easily identified with an individual federally sponsored project. The salary of a principal investigator of a sponsored research project and the materials consumed by the project are examples of direct costs. Unlike direct costs, indirect costs cannot be easily identified with an individual federally sponsored project. Indirect costs are the costs of services and resources that benefit both sponsored and nonsponsored projects and activities. Indirect costs consist of expenses incurred for administration, library, plant maintenance, and building and equipment depreciation. The RF and federal agencies use an indirect cost rate to charge indirect costs to individual federally sponsored projects. The rate is a result of a number of complex cost allocation procedures that the RF uses to allocate its indirect costs to both sponsored and nonsponsored activities. Rates are negotiated with and approved by the RF's cognizant audit agency, the U.S. Department of Health and Human Services.



KPMG LLP 515 Broadway Albany, NY 12207-2974

# Independent Auditors' Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With Government Auditing Standards

The Board of Directors

The Research Foundation for The State University of New York:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of The Research Foundation for The State University of New York (the Foundation), which comprise the balance sheet as of June 30, 2022, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated October 7, 2022.

### **Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the Foundation's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control. Accordingly, we do not express an opinion on the effectiveness of the Foundation's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the Foundation's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.



### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Foundation's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Foundation's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

KPMG LLP

Albany, New York October 7, 2022



KPMG LLP 515 Broadway Albany, NY 12207-2974

# Independent Auditors' Report on Compliance for Each Major Federal Program; Report on Internal Control Over Compliance; and Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

The Board of Directors
The Research Foundation for The State University of New York:

### Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited The Research Foundation for The State University of New York's (the Foundation) compliance with the types of compliance requirements identified as subject to audit in the *OMB Compliance Supplement* that could have a direct and material effect on each of the Foundation's major federal programs for the year ended June 30, 2022. The Foundation's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

In our opinion, the Foundation complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2022.

### Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of the Foundation and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of the Foundation's compliance with the compliance requirements referred to above.

### Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to the Foundation's federal programs.

### Auditors' Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the Foundation's compliance based on our audit. Reasonable assurance is a high level of assurance but is not



absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the Foundation's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, Government Auditing Standards, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and
  perform audit procedures responsive to those risks. Such procedures include examining, on a test
  basis, evidence regarding the Foundation's compliance with the compliance requirements referred to
  above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the Foundation's internal control over compliance relevant to the audit in
  order to design audit procedures that are appropriate in the circumstances and to test and report on
  internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of
  expressing an opinion on the effectiveness of the Foundation's internal control over compliance.
  Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on Internal Control Over Compliance**

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.



The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

# Report on Supplementary Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the Foundation as of and for the year ended June 30, 2022, and have issued our report thereon dated October 7, 2022, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying supplementary schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. In our opinion, the supplementary schedule of expenditures of federal awards is fairly stated in all material respects in relation to the financial statements as a whole.



Albany, New York December 23, 2022

Schedule of Findings and Questioned Costs Year ended June 30, 2022

| (1) | Summary of Auditors' Results  |        |         |          |               |
|-----|---|--------|---------|----------|---------------|
|     | Financial Statements  |        |         |          |               |
|     | Type of auditors' report issued on whether financial statements were prepared in accordance with U.S. generally accepted accounting principles: | Unmo   | odified |          |               |
|     | Internal control over financial reporting:  |        |         |          |               |
|     | <ul> <li>Material weakness(es) identified?</li> </ul>   |        | Yes     | <u>X</u> | No            |
|     | <ul> <li>Significant deficiency(ies) identified<br/>not considered to be material weaknesses?</li> </ul>  |        | _ Yes   | <u>X</u> | None reported |
|     | Noncompliance material to the financial statements noted?   |        | _ Yes   | <u>X</u> | No            |
|     | Federal Awards  |        |         |          |               |
|     | Internal control deficiencies over major programs disclosed by the audit:   |        |         |          |               |
|     | Material weakness(es) identified?   |        | _ Yes   | <u>X</u> | No            |
|     | <ul> <li>Significant deficiency(ies) identified<br/>not considered to be material weaknesses?</li> </ul>  |        | _ Yes   | <u>X</u> | None reported |
|     | Type of auditors' report issued on compliance for major programs:   | Unmo   | odified |          |               |
|     | Any audit findings disclosed that are required to be reported in accordance with 2 CFR?   |        | _ Yes   | <u>X</u> | No            |
|     | Identification of Major Programs  |        |         |          |               |
|     | Name of federal program or cluster  |        |         | CF       | DA numbers    |
|     | Research and Development Cluster  |        |         |          | Various       |
|     | TRIO Cluster  |        |         |          | Various       |
|     | Small Business Development Centers  |        |         |          | 59.037        |
| •   | Dollar threshold used to distinguish between Type A and Type B programs:  | \$3,00 | 0,000   |          |               |
|     | Auditee qualified as low-risk auditee?  | X      | Yes     |          | No            |

Schedule of Findings and Questioned Costs Year ended June 30, 2022

| (2) | Findings Relating to the Financial Statements Reported in Accordance with Government Auditing |
|-----|---|
|     | Standards   |

None.

(3) Findings and Questioned Costs Related to Federal Awards

None.