



**OLD DOMINION UNIVERSITY RESEARCH
FOUNDATION**

FINANCIAL REPORT

JUNE 30, 2022 AND 2021



ASSURANCE, TAX & ADVISORY SERVICES

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INDEPENDENT AUDITOR'S REPORT

To the Board of Trustees
Old Dominion University Research Foundation

Report on the Audit of the Financial Statements

Opinion

We have audited the accompanying financial statements of Old Dominion University Research Foundation (the Foundation), which comprise the statements of financial position as of June 30, 2022 and 2021, the related statements of activities, functional expenses, and cash flows for the years 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 2021, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits 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* (GAS) issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's 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 opinions.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, 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 within one year after the date that the financial statements are available to be issued.

Auditor's 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 auditor's 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* (GAS) 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 GAS, 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.

Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying supplemental information as included in the table of contents, and the schedule of expenditures of federal awards, as required by Title 2 U.S. *Code of Federal Regulations* (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) are presented for purposes of additional analysis and are 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 auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated, in all material respects, in relation to the financial statements as a whole.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 29, 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, 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.

PBMares, LLP

Norfolk, Virginia
September 29, 2022

FINANCIAL STATEMENTS

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Financial Position

June 30, 2022 and 2021

	<u>2022</u>	<u>2021</u>
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	\$ 11,906,968	\$ 8,508,573
Accounts receivable:		
Grants and contracts, net	16,757,295	13,194,753
Other research related	289,710	143,676
Other	335,837	479,429
Travel advances	85,986	37,392
Prepaid expenses	893,339	734,435
Investments	<u>1,073,666</u>	<u>3,794,381</u>
 Total current assets	 <u>31,342,801</u>	 <u>26,892,639</u>
PROPERTY AND EQUIPMENT		
Land	-	54,802
Buildings and improvements	7,954	904,310
Office furniture	278,863	301,876
Office equipment	173,489	173,489
Research equipment	18,971,293	18,683,278
Computer equipment	3,154,169	3,209,126
Equipment in process	<u>310,929</u>	<u>177,585</u>
	22,896,697	23,504,466
Less - accumulated depreciation	<u>(20,635,738)</u>	<u>(20,899,647)</u>
 Total property and equipment	 <u>2,260,959</u>	 <u>2,604,819</u>
 OTHER ASSETS - investments	 <u>5,090,511</u>	 <u>5,673,226</u>
 Total assets	 <u>\$ 38,694,271</u>	 <u>\$ 35,170,684</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Financial Position

June 30, 2022 and 2021

	<u>2022</u>	<u>2021</u>
LIABILITIES AND NET ASSETS		
CURRENT LIABILITIES		
Accounts payable	\$ 5,411,215	\$ 4,186,544
Accrued expenses	2,656,034	2,623,956
Deferred revenue	<u>10,454,230</u>	<u>7,035,390</u>
Total current liabilities	<u>18,521,479</u>	<u>13,845,890</u>
NET ASSETS		
Without donor restrictions:		
Old Dominion University funds	16,689,413	17,099,574
Plant funds	2,260,959	2,604,819
Undesignated General and Designated Foundation Reserve	<u>1,222,420</u>	<u>1,620,401</u>
Total net assets	<u>20,172,792</u>	<u>21,324,794</u>
Total liabilities and net assets	<u>\$ 38,694,271</u>	<u>\$ 35,170,684</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Activities

For the Years Ended June 30, 2022 and 2021

	<u>2022</u>	<u>2021</u>
PUBLIC SUPPORT AND REVENUES		
Sponsored research	\$ 47,540,017	\$ 41,537,316
Indirect cost revenue	9,103,479	8,349,108
Other research related revenue	1,403,562	1,537,101
Value of contributed services	832,470	901,569
Interest and investment income (loss)	(560,171)	506,340
Memberships	3,250	2,250
Other	<u>10,350</u>	<u>18,400</u>
Total public support and revenues	<u>58,332,957</u>	<u>52,852,084</u>
EXPENSES		
Program services:		
Sponsored research	46,109,803	39,815,012
Other research related expenses	<u>7,771,710</u>	<u>6,238,128</u>
	53,881,513	46,053,140
Management and general	<u>5,603,446</u>	<u>5,317,173</u>
Total expenses	<u>59,484,959</u>	<u>51,370,313</u>
CHANGE IN NET ASSETS	(1,152,002)	1,481,771
NET ASSETS, BEGINNING OF YEAR	<u>21,324,794</u>	<u>19,843,023</u>
NET ASSETS, END OF YEAR	<u>\$ 20,172,792</u>	<u>\$ 21,324,794</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Functional Expenses
For the Years Ended June 30, 2022 and 2021

	2022			2021		
	Program Services	Management and General	Total	Program Services	Management and General	Total
Salaries and wages	\$ 25,217,923	\$ 2,581,215	\$ 27,799,138	\$ 23,503,455	\$ 2,323,191	\$ 25,826,646
Fringe benefits	6,750,602	1,096,920	7,847,522	6,691,943	1,072,048	7,763,991
Contractual services	5,382,319	429,531	5,811,850	3,366,021	509,727	3,875,748
Subcontracts	5,092,054	-	5,092,054	4,275,699	-	4,275,699
Participant support costs	4,088,661	-	4,088,661	2,546,298	-	2,546,298
Supplies	2,152,568	21,851	2,174,419	1,771,417	33,473	1,804,890
Tuition	2,115,928	-	2,115,928	1,914,859	-	1,914,859
General research related expenses	1,522,762	15,703	1,538,465	1,986,343	18,210	2,004,553
Travel	1,062,568	6,553	1,069,121	174,749	1,181	175,930
Depreciation	-	911,664	911,664	-	1,045,743	1,045,743
ODU support	700,000	-	700,000	-	-	-
Rent	59,270	248,965	308,235	75,220	190,571	265,791
Insurance and bonds	-	141,954	141,954	-	134,799	134,799
Repairs and maintenance	-	93,000	93,000	-	88,129	88,129
Bank service charges	-	27,461	27,461	-	28,049	28,049
Bad debts (recoveries)	-	14,508	14,508	-	(162,299)	(162,299)
Telephone	-	10,989	10,989	-	10,533	10,533
Postage	-	4,794	4,794	-	4,574	4,574
Utilities	-	3,273	3,273	-	10,652	10,652
Meetings and entertainment	-	2,110	2,110	-	637	637
Publications	-	2,066	2,066	-	4,019	4,019
Memberships	-	2,034	2,034	-	3,208	3,208
Printing and copying	-	637	637	-	728	728
(Gain)/loss on disposal of fixed assets	-	(11,782)	(11,782)	-	-	-
Transfers to projects	(263,142)	-	(263,142)	(252,864)	-	(252,864)
	<u>\$ 53,881,513</u>	<u>\$ 5,603,446</u>	<u>\$ 59,484,959</u>	<u>\$ 46,053,140</u>	<u>\$ 5,317,173</u>	<u>\$ 51,370,313</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Cash Flows

For the Years Ended June 30, 2022 and 2021

	<u>2022</u>	<u>2021</u>
CASH FLOWS FROM OPERATING ACTIVITIES		
Change in net assets	\$ (1,152,002)	\$ 1,481,771
Adjustments to reconcile change in net assets to net cash provided by (used in) operating activities:		
Depreciation	911,664	1,045,743
Gain on disposal of fixed assets	(11,782)	-
Realized and unrealized (gain)/loss on investments	666,981	(352,007)
Investment earnings reinvested	-	(93,067)
Bad debts (recoveries)	14,508	(162,299)
Changes in assets and liabilities:		
Grants and contracts receivable	(3,577,050)	(731,799)
Other research related receivables	(146,034)	295,095
Other receivables	143,592	(235,434)
Travel advances	(48,594)	(20,042)
Prepaid expenses	(158,904)	(387,408)
Accounts payable	1,224,671	286,798
Accrued expenses	32,078	168,198
Deferred revenue	3,418,840	1,169,927
Net cash provided by operating activities	<u>1,317,968</u>	<u>2,465,476</u>
CASH FLOWS FROM INVESTING ACTIVITIES		
Purchases of property and equipment	(626,878)	(749,362)
Purchases of investments	(95,930)	(1,129,876)
Proceeds from sale of property and equipment	70,857	-
Proceeds from sale of investments	2,732,378	1,173,355
Net cash provided by (used in) investing activities	<u>2,080,427</u>	<u>(705,883)</u>
NET INCREASE IN CASH AND CASH EQUIVALENTS	3,398,395	1,759,593
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	<u>8,508,573</u>	<u>6,748,980</u>
CASH AND CASH EQUIVALENTS, END OF YEAR	<u>\$ 11,906,968</u>	<u>\$ 8,508,573</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 1. NATURE OF FOUNDATION AND SIGNIFICANT ACCOUNTING POLICIES

Nature of Foundation

Old Dominion University Research Foundation (the “Foundation”) is a nonprofit corporation chartered under the laws of the Commonwealth of Virginia in 1965. The Foundation is exempt from income taxes under Section 501(c)(3) of the Internal Revenue Code. The Foundation has been designated as the fiscal and administrative agent for Old Dominion University's (the “University”) sponsored research agreements.

The University has implemented Governmental Accounting Standards Board (GASB) Codification Section 2600 *Reporting Entity and Component Unit Presentation and Disclosure*. The Foundation qualifies as a component unit of the University as defined in GASB Codification section 2600.105.

The Foundation's purpose is to promote the educational objectives of the University by encouraging, advancing and conducting research in scientific and other fields. The Foundation also supports utilizing, publishing or otherwise making known the results of such investigations and research.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, and expenses and disclosure of contingent assets and liabilities for the reported periods. Actual results could differ from those estimates and assumptions.

Basis of Accounting

The financial statements of the Foundation have been prepared on the accrual basis of accounting and accordingly reflect all significant receivables, payables and other liabilities.

Basis of Presentation

The Foundation is required to report information regarding its financial position and activities according to two classes of net assets: with donor restrictions and without donor restrictions. All public support, revenues, and net assets are considered without donor restrictions.

Cash and Cash Equivalents

For the purpose of the statements of cash flows, the Foundation considers all highly liquid investments purchased with an initial maturity of three months or less to be cash equivalents.

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 1. NATURE OF FOUNDATION AND SIGNIFICANT ACCOUNTING POLICIES (Continued)

Accounts Receivable

Accounts receivable consists of amounts due from grants, reimbursable cost contracts, and fixed-cost contracts. The Foundation uses the allowance method to account for doubtful grant and contract receivables, which is based on prior years' collection experience and management's analysis of the account balances.

Investments

The Foundation reports investments in marketable equity securities with readily determinable fair values and all investments in debt securities at their fair values in the statements of financial position. Unrealized gains and losses are included in the change in net assets in the accompanying statements of activities. Also included in investments are certificates of deposit with original maturities greater than three months. The certificates of deposit are recorded at the initial investment value plus accrued interest.

Income Taxes

Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 740 prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. The Foundation's management has evaluated the impact of the standard to its financial statements. The Foundation recognizes interest and penalties incurred, if any, related to income tax positions as other interest expense and penalties expense, respectively. The Foundation's tax returns are subject to examination by taxing authorities, generally for a period of three years from the date they were filed.

Property and Equipment

Property and equipment are recorded at cost if purchased by the Foundation and at estimated fair market value as of the date received if donated or awarded. Depreciation of property and equipment is computed using the straight-line method over their estimated useful lives as follows:

Buildings and improvements	15 - 20 years
Office furniture	7 years
Office equipment	5 - 7 years
Research equipment	5 years
Computer equipment	5 - 7 years

The Foundation maintains title to and capitalizes at cost all property and equipment purchased under sponsored research grants, unless otherwise stated by the sponsor.

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 1. NATURE OF FOUNDATION AND SIGNIFICANT ACCOUNTING POLICIES (Continued)

Revenue Recognition

Substantially all of the Foundation's revenue is derived from grants, reimbursable cost contracts, and fixed-cost contracts. Grants and contracts are awarded for sponsored research and development purposes and require the Foundation to expend the funds awarded on qualifying expenses in accordance with the Office of Management and Budget rules and regulations and/or other cost principles and requirements pursuant to the agreements. Revenue is recognized upon incurring qualifying expenses plus indirect costs allowable under the grant or contract.

The Foundation does receive funds in advance of incurring qualifying expenses pursuant to grants and contracts. Recognition of these amounts as revenue is deferred until qualifying expenses are incurred.

ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)*, was issued by the FASB in May 2014 and is intended to improve the financial reporting requirements for revenue from contracts with customers. The ASU establishes a five-step model and application guidance for determining the timing and amount of revenue recognition. The related application guidance in the ASU replaces most existing revenue recognition guidance in GAAP. The ASU became effective for the Foundation for the year ended June 30, 2021. The Foundation's application of the ASU did not materially change the timing or amount of revenue recognized by the Foundation for the years ended June 30, 2022 and June 30, 2021. The ASU requires that an entity recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration that the entity expects to be entitled to in exchange for those goods or services. Substantially all revenues are accounted for as conditional contributions and therefore Topic 606 does not apply to the Foundation.

Collaborative Arrangements

The Foundation periodically enters into collaborative arrangements with other universities, state agencies, commercial enterprises or private foundations. Such arrangements may involve research, development or licensing of intellectual property activities. Revenues and expenses from collaborative arrangements are included in the accompanying statements of activities.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 1. NATURE OF FOUNDATION AND SIGNIFICANT ACCOUNTING POLICIES (Continued)

Functional Expense Allocations

The costs of program and supporting services activities have been summarized on a functional basis in the statements of activities. The statements of functional expenses present the natural classification detail of expenses by function. Accordingly, certain costs have been allocated among the programs and supporting services benefited. Directly identifiable expenses are allocated to program services or management and general and those not directly identifiable are allocated based on estimates made by management. Expenses classified as program services include all costs directly incurred and reimbursed by program sponsors pursuant to the related grants or contracts. The majority of the expenses allocated as management and general, such as salaries and wages, fringe benefits and depreciation, are treated as indirect costs and are recovered from sponsored programs based upon base-year allocation percentages approved by the Foundation's cognizant agency, the Office of Naval Research. Other than proposal and funding costs associated with sponsored programs (see Note 9), the Foundation does not solicit contributions nor conduct fundraising activities.

New Accounting Pronouncements

During the year ended June 30, 2022, the Foundation implemented ASU 2020-07, *Presentation and Disclosures by Not-for-Profit Entities for Contributed Nonfinancial Assets*. Not-for-profits will be required to provide additional information on the contributions of nonfinancial assets they receive under a new accounting standard issued. Contributed nonfinancial assets can include fixed assets such as land, buildings, and equipment; the use of fixed assets or utilities; materials and supplies, such as food, clothing, or pharmaceuticals; intangible assets; and recognized contributed services. The new ASU requires a not-for-profit to present contributed nonfinancial assets as a separate line item in the statement of activities, apart from contributions of cash or other financial assets. The standard also requires a not-for-profit to disclose contributed nonfinancial assets recognized within the statement of activities, disaggregated by category that depicts the type of nonfinancial assets.

For each category of contributed nonfinancial assets recognized, the standard requires a not-for-profit to disclose qualitative information about whether the contributed nonfinancial assets were either monetized or utilized during the reporting period. If they were utilized, a description of the programs or other activities in which those assets were used is required. The not-for-profit's policy (if any) about monetizing rather than utilizing contributed nonfinancial assets must also be disclosed as well as a description of any donor-imposed restrictions associated with the contributed nonfinancial assets. FASB is requiring the standard to be applied retrospectively. The amendments take effect for annual reporting periods beginning after June 15, 2021, and interim periods within annual reporting periods beginning after June 15, 2022. (See Note 11 – Contributed Services).

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 1. NATURE OF FOUNDATION AND SIGNIFICANT ACCOUNTING POLICIES (Concluded)

In February 2016, the FASB issued ASU 2016-02, *Leases (Topic 842)*. Pursuant to ASU 2016-02, lessees will be required to recognize the following for all leases (with the exception of short-term leases) at the commencement date: A lease liability, which is a lessee's obligation to make lease payments arising from a lease, measured on a discounted basis; and a right-of-use asset, which is an asset that represents the lessee's right to use, or control the use of, a specified asset for the lease term. This ASU requires a modified retrospective transition approach, which includes a number of optional practical expedients, described in ASU 2016-02, which may be applied. The ASU is effective for fiscal years beginning after December 15, 2021. The impact of the new standard has not been determined; however, it is expected that there will be an increase in the Foundation's assets and liabilities.

NOTE 2. ACCOUNTS RECEIVABLE

Accounts receivable for grants and contracts consists of the following:

	<u>2022</u>	<u>2021</u>
Accounts receivable	\$ 16,865,295	\$ 13,316,853
Less reserve for uncollectible receivables	<u>(108,000)</u>	<u>(122,100)</u>
	<u>\$ 16,757,295</u>	<u>\$ 13,194,753</u>

NOTE 3. LIQUIDITY AND AVAILABILITY

Financial assets available for general expenditure, that is, without donor or other restrictions limiting their use, within one year of the statement of financial position date, comprise the following:

	<u>2022</u>	<u>2021</u>
Cash and cash equivalents	\$ 11,906,968	\$ 8,508,573
Less: deferred revenue	(10,454,230)	(7,035,390)
Accounts receivable	17,382,842	13,817,858
Operating investments	<u>6,164,177</u>	<u>9,467,607</u>
	<u>\$ 24,999,757</u>	<u>\$ 24,758,648</u>

Accounts receivable are shown net of the allowance for uncollectible accounts and represent amounts due to the Foundation for work completed as of fiscal year end. Amounts received for work not yet performed are recorded as deferred revenue and are not considered available until the work is completed. Operating investments include current and long-term investments.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 4. ASSETS MEASURED AT FAIR VALUE ON A RECURRING BASIS

The Foundation has established and documented processes and methodologies for determining the fair values of investments on a recurring basis in accordance with FASB ASC 820. Under FASB ASC 820, a financial instrument's categorization within the valuation hierarchy is based upon the lowest level of input that is significant to the fair value measurement. The three levels of valuation hierarchy established by FASB ASC 820 are defined as follows:

Level 1. Unadjusted quoted prices in active markets for identical assets or liabilities that the reporting entity has the ability to access at the measurement date.

Level 2. Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly through corroboration with observable market data.

Level 3. Inputs are unobservable for the asset or liability and include situations where there is little, if any, market activity for the asset or liability. The inputs used in the determination of fair value are based upon the best information in the circumstances and may require significant management judgment or estimation.

Assets Held at Net Asset Value (NAV). —Valuations based on fair value using the NAV per share (or its equivalent) of such investment funds as a practical expedient for fair value. The practical expedient allows net asset value per share to represent fair value for reporting purposes when the criteria for using this method are met. The Foundation has estimated the fair value of these funds by using the NAV provided by the fund's managers.

Fair values for investments are determined by reference to quoted market prices and other relevant information generated by market transactions. The Foundation endeavors to utilize the best available information in measuring fair value. Financial asset and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.

The following tables summarize, by level within the fair value hierarchy, the assets measured at fair value on a recurring basis as of June 30, 2022 and 2021. There are no asset valued with level 2 or 3 inputs as of June 30, 2022 and 2021.

<u>Description</u>	<u>Fair Value at 06/30/22</u>	<u>Quoted Prices in Active Markets for Identical Assets Level 1</u>	<u>Assets Held at Net Asset Value (or Equivalent)</u>
Bond funds	\$ 4,000,100	\$ -	\$ 4,000,100
Mutual funds	1,077,834	1,077,834	-
Common stock	<u>12,577</u>	<u>12,577</u>	<u>-</u>
Total	<u>\$ 5,090,511</u>	<u>\$ 1,090,411</u>	<u>\$ 4,000,100</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 4. ASSETS MEASURED AT FAIR VALUE ON A RECURRING BASIS

(Continued)

<u>Description</u>	<u>Fair Value at 06/30/21</u>	<u>Quoted Prices in Active Markets for Identical Assets Level 1</u>	<u>Assets Held at Net Asset Value (or Equivalent)</u>
Bond funds	\$ 4,375,922	\$ -	\$ 4,375,922
Mutual funds	1,294,199	1,294,199	-
Common stock	<u>3,105</u>	<u>3,105</u>	<u>-</u>
Total	<u>\$ 5,673,226</u>	<u>\$ 1,297,304</u>	<u>\$ 4,375,922</u>

The following methods and assumptions were used to estimate the fair value of each class of financial instruments:

Marketable securities – The fair values of mutual funds and common stock are determined based upon quoted market prices.

Bond funds – fair value is determined by the NAV of the funds as determined in good faith by the fund manager using the NAV as the practical expedient.

In addition to the above assets valued at fair value on a recurring basis, included in investments in the accompanying statements of financial position as of June 30, 2022 and 2021 are certificates of deposit totaling \$1,073,666 and \$3,794,381, respectively.

NOTE 5. RELATED PARTY TRANSACTIONS

	<u>2022</u>	<u>2021</u>
Old Dominion University:		
Payables	\$ 3,234,786	\$ 3,037,345
Receivables	5,143,180	3,321,438
Receipts	15,182,319	14,029,713
Disbursements	11,084,155	11,079,623

The Foundation occupies office space leased by the University and accrues its share of rent expense to be reimbursed to the University. See Note 8.

During the year ended June 30, 2021, the Board of Trustees approved an Acting Executive Director who was an employee of Old Dominion University (ODU). In June 2022, the Board elected a new Executive Director who will also be an employee of ODU. The personnel costs are included under salaries and wages and fringe benefits in the Management and General section of the Statements of Functional Expenses and revenue is recorded as contributed services. Previous Executive Directors have been Foundation employees.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 5. RELATED PARTY TRANSACTIONS (Concluded)

During the year ended June 30, 2022, the Foundation agreed to pay \$700,000 of personnel related costs on behalf of ODU to an unrelated third-party vendor. \$350,000 of these costs were accrued at year end. These costs are shown as ODU support on the Statements of Functional Expenses.

NOTE 6. NET ASSETS

Funds designated by the Board of Trustees for various operations are as follows:

	<u>2022</u>	<u>2021</u>
Applied Marine Research Laboratory		
Operations Funds	\$ 348,159	\$ 317,487
Other Cost Centers Fund	(292,941)	(28,512)
Old Dominion University Indirect		
Cost Allocation Fund	10,251,930	11,052,541
Other Old Dominion University		
Designated Funds	<u>6,382,265</u>	<u>5,758,058</u>
	<u>\$ 16,689,413</u>	<u>\$ 17,099,574</u>

Undesignated General and Designated Foundation Reserves are intended to provide resources for activities and costs not funded directly through operations.

	<u>2022</u>	<u>2021</u>
Undesignated General Funds	\$ (1,116,394)	\$ (1,249,588)
Designated Foundation Reserve Funds	<u>2,338,814</u>	<u>2,869,989</u>
	<u>\$ 1,222,420</u>	<u>\$ 1,620,401</u>

NOTE 7. 403(b) TAX SHELTERED ANNUITY PLAN

The Foundation has a 403(b) Tax Sheltered Annuity Plan (the "Plan") to assist employees with their retirement. All employees are eligible to participate in the Plan. All full-time, permanent employees receive an additional 11% of their pay as a contribution in lieu of retirement. This contribution may be invested in whole or part through the Foundation's annuity plan through either elective or nonelective contributions. Expense incurred under the plan for the years ended June 30, 2022 and 2021 was \$1,192,602 and \$1,144,366, respectively.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 8. OPERATING LEASE COMMITMENTS

The Foundation occupies office space leased by the University and accrues its share of rent expense to be reimbursed to the University. This space is occupied under an agreement effective for the period beginning May 1, 2019 and terminating as jointly agreed by both parties. The agreement shall not exceed a period of ten years without approval of both parties. The Foundation also leases office equipment under noncancellable operating lease agreements. The estimated future commitments for these leases as of June 30, 2022, are as follows:

2023	\$	242,692
2024		248,711
2025		254,611
2026		260,246
2027		265,768
Thereafter		<u>504,970</u>
		<u>\$ 1,776,998</u>

NOTE 9. PROPOSAL AND FUNDING COSTS

The Foundation incurs costs associated with proposal submission and funding requests. These costs are predominately personnel costs and related overhead associated with individuals involved in proposal preparation and submission activities. Proposal submission and funding requests are submitted to various federal and state agencies as well as commercial enterprises and private foundations. Total proposal and funding costs incurred for the years ended June 30, 2022 and 2021 were \$532,167 and \$516,597, respectively.

NOTE 10. TRANSFERS TO PROJECTS

The Foundation records transfers to projects when grants and contracts use cost centers that are managed by the Foundation. The cost centers have rates for various usages and the amount charged to projects is based on specific use. Transfers to projects totaled \$263,142 and \$252,864 for the years ended June 30, 2022 and 2021, respectively.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 11. CONTRIBUTED SERVICES

Contributed services are recognized as revenue and expense if the services (a) create or enhance nonfinancial assets or (b) require specialized skills, are performed by people with those skills, and would otherwise need to be purchased by the Foundation. Contributed services recognized by the Foundation represent time spent by University faculty on various research projects or management and general functions that are donated and not reimbursed by the Foundation. These contributed services are recorded at their estimated fair value and totaled \$832,470 and \$901,569 for the years ended June 30, 2022 and 2021, respectively.

NOTE 12. GOVERNMENT FURNISHED EQUIPMENT

The Foundation currently has the use of equipment provided by the federal government for use on various research projects. This equipment has not been capitalized by the Foundation since title to these assets remains with the government agency. The Foundation is obligated to continue using this equipment or return it to the proper governmental agency. The estimated cost of government furnished equipment currently available to the Foundation was \$692,955 as of June 30, 2022 and 2021.

NOTE 13. CONCENTRATIONS

Financial instruments which potentially subject the Foundation to concentration of credit risk consist principally of temporary cash investments. The Foundation places its temporary cash investments with high credit quality financial institutions. From time to time, the Foundation maintains cash balances on deposit with financial institutions that may exceed \$250,000, the amount insured by the Federal Deposit Insurance Corporation.

The Foundation maintains its money market and other investment funds with local offices of two national brokers. At times, the balances were in excess of the \$500,000 limit insured by the Securities Investor Protection Corporation as of June 30, 2022 and 2021.

A majority of the Foundation's receivables are due from the federal government and agencies thereof. Credit risk is based on the good standing of the federal government. The Foundation receives a substantial amount of its support from federal agencies. A significant reduction in the level of this support, if this were to occur, may have a significant effect on its programs and activities.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2022 and 2021

NOTE 14. SUBSEQUENT EVENTS

The Foundation has evaluated all events and transactions for potential recognition or disclosure through September 29, 2022, the date that the financial statements were available to be issued. Management has determined there are no subsequent events that require disclosure pursuant to the FASB ASC.

NOTE 15. CONTINGENCIES

The Foundation has received grants for specific purposes that are subject to review and audit by the grantor agencies. Claims against these resources are generally conditional upon compliance with the terms and conditions of grant agreements and applicable federal regulations, including the expenditures of resources for allowable purposes. Any disallowance resulting from a federal audit may become a liability of the Foundation.

NOTE 16. RISK AND UNCERTAINTIES

On January 30, 2020, the World Health Organization declared the coronavirus outbreak a "Public Health Emergency of International Concern" and on March 11, 2020, declared it to be a pandemic. Actions taken around the world to help mitigate the spread of the coronavirus include restrictions on travel, quarantines in certain areas and forced closures for certain types of public places and businesses. The coronavirus and actions taken to mitigate the spread of it have had and are expected to continue to have an adverse impact on the economies and financial markets of many countries, including the geographical area in which the Foundation operates. On March 27, 2020, the Coronavirus Aid, Relief, and Economic Security Act (CARES Act) was enacted to, amongst other provisions, provide emergency assistance for individuals, families and businesses affected by the coronavirus pandemic. The Foundation operates within the Commonwealth of Virginia, closely monitors and adheres to guidelines from the Governor's Office with respect to travel, public safety and operating during the pandemic.

It is unknown how long the adverse conditions associated with the coronavirus will last and what the complete financial effect will be to the Foundation.

SUPPLEMENTAL INFORMATION

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Operating Funds

Year Ended June 30, 2022 With Comparative Totals for the Year Ended June 30, 2021

	Foundation General and Reserve Funds	Designated ODU Funds				Investment In Plant	Total Unrestricted Funds Before Eliminations	Cost Reimbursable	Fixed Cost	Paid In Advance	Total Funds Before Eliminations	Total Operating Funds		
		AMRL Operations Funds	Other Cost Centers Fund	IDC Revenue Allocation Fund	Other Designated Funds							Eliminations	2022	2021
PUBLIC SUPPORT AND REVENUES														
Direct revenue	\$ -	\$ -	\$ 147,369	\$ 715,396	\$ 540,797	\$ -	\$ 1,403,562	\$ 37,921,422	\$ 8,667,763	\$ 950,832	\$ 47,540,017	\$ -	\$ 48,943,579	\$ 43,074,417
Indirect cost revenue	-	-	-	-	-	-	-	7,593,577	1,453,415	56,487	9,103,479	-	9,103,479	8,349,108
Interfund revenue	-	59,647	204,554	(799,864)	889,927	-	354,264	46,718	25,000	100,650	172,368	(526,632)	-	-
Contributed services	105,328	-	-	-	727,142	-	832,470	-	-	-	-	-	832,470	901,569
Interest and investment income (loss)	(560,171)	-	-	-	-	-	(560,171)	-	-	-	-	-	(560,171)	506,340
Memberships	-	-	-	-	-	-	-	-	3,250	-	3,250	-	3,250	2,250
Other	10,350	-	-	-	-	-	10,350	-	-	-	-	-	10,350	18,400
Total public support and revenues	<u>(444,493)</u>	<u>59,647</u>	<u>351,923</u>	<u>(84,468)</u>	<u>2,157,866</u>	<u>-</u>	<u>2,040,475</u>	<u>45,561,717</u>	<u>10,149,428</u>	<u>1,107,969</u>	<u>56,819,114</u>	<u>(526,632)</u>	<u>58,332,957</u>	<u>52,852,084</u>
EXPENSES														
Program expenses:														
Salaries and wages	-	-	72,531	1,353,027	980,637	-	2,406,195	17,643,661	4,547,742	494,757	22,686,160	125,568	25,217,923	23,503,455
Fringe benefits	-	-	31,349	428,921	304,044	-	764,314	4,569,235	1,237,306	129,143	5,935,684	50,604	6,750,602	6,691,943
Supplies	-	19,866	108,451	200,326	234,286	-	562,929	1,327,462	183,061	78,812	1,589,335	304	2,152,568	1,771,417
Contractual services	-	6,747	273,832	1,808,198	72,339	-	2,161,116	2,696,052	460,888	64,263	3,221,203	-	5,382,319	3,366,021
Property rental	-	-	-	1,100	-	-	1,100	42,541	15,629	-	58,170	-	59,270	75,220
General expense	-	2,363	126,947	1,166,433	142,156	-	1,437,899	487,036	251,572	47,289	785,897	(1,034)	2,222,762	1,986,343
Transfers to projects	-	-	-	-	-	-	-	-	-	-	-	(263,142)	(263,142)	(252,864)
Travel	-	-	3,242	177,536	86,554	-	267,332	657,218	82,234	55,784	795,236	-	1,062,568	174,749
Subcontracts	-	-	-	-	158,162	-	158,162	3,993,020	897,804	43,068	4,933,892	-	5,092,054	4,275,699
Tuition	-	-	-	14,720	46,636	-	61,356	1,994,886	49,228	10,458	2,054,572	-	2,115,928	1,914,859
Other expenses	-	-	-	29,700	10,093	-	39,793	3,639,637	752,868	95,295	4,487,800	(438,932)	4,088,661	2,546,298
Total program expenses	<u>-</u>	<u>28,976</u>	<u>616,352</u>	<u>5,179,961</u>	<u>2,034,907</u>	<u>-</u>	<u>7,860,196</u>	<u>37,050,748</u>	<u>8,478,332</u>	<u>1,018,869</u>	<u>46,547,949</u>	<u>(526,632)</u>	<u>53,881,513</u>	<u>46,053,140</u>
SUPPORTING EXPENSES	<u>4,382,340</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>4,382,340</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>4,382,340</u>	<u>4,152,689</u>
Total expenses	<u>4,382,340</u>	<u>28,976</u>	<u>616,352</u>	<u>5,179,961</u>	<u>2,034,907</u>	<u>-</u>	<u>12,242,536</u>	<u>37,050,748</u>	<u>8,478,332</u>	<u>1,018,869</u>	<u>46,547,949</u>	<u>(526,632)</u>	<u>58,263,853</u>	<u>50,205,829</u>
CHANGE IN NET ASSETS BEFORE NON-BUDGETED SUPPORTING EXPENSES														
	(4,826,833)	30,671	(264,429)	(5,264,429)	122,959	-	(10,202,061)	8,510,969	1,671,096	89,100	10,271,165	-	69,104	2,646,255
NON-BUDGETED SUPPORTING EXPENSES														
	<u>1,221,106</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,221,106</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,221,106</u>	<u>1,164,484</u>
CHANGE IN NET ASSETS														
	(6,047,939)	30,671	(264,429)	(5,264,429)	122,959	-	(11,423,167)	8,510,969	1,671,096	89,100	10,271,165	-	(1,152,002)	1,481,771
NET ASSETS, BEGINNING OF YEAR														
	1,620,400	317,488	(28,512)	11,052,541	5,758,058	2,604,819	21,324,794	-	-	-	-	-	21,324,794	19,843,023
TRANSFERS														
Invested in plant, net	43,086	-	-	(9,414)	(5,120)	567,804	596,356	(487,029)	(109,203)	(124)	(596,356)	-	-	-
Depreciation expense	911,664	-	-	-	-	(911,664)	-	-	-	-	-	-	-	-
Indirect cost transfers	4,498,953	-	-	4,473,232	506,368	-	9,478,553	(7,919,253)	(1,499,179)	(60,121)	(9,478,553)	-	-	-
Funds designated from restricted fund	196,256	-	-	-	-	-	196,256	(104,687)	(62,714)	(28,855)	(196,256)	-	-	-
NET ASSETS, END OF YEAR	<u>\$ 1,222,420</u>	<u>\$ 348,159</u>	<u>\$ (292,941)</u>	<u>\$ 10,251,930</u>	<u>\$ 6,382,265</u>	<u>\$ 2,260,959</u>	<u>\$ 20,172,792</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 20,172,792</u>	<u>\$ 21,324,794</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedules of Supporting Expenses

For the Years Ended June 30, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Personnel services	\$ 2,585,768	\$ 2,323,191
Fringe benefits	1,096,920	1,072,047
Rental	248,965	190,571
Insurance and bonds	141,954	134,799
Professional services	141,122	276,807
Maintenance services	74,559	63,998
Bank service charges	27,461	29,089
Supplies	21,851	33,446
Miscellaneous	14,693	4,376
Telephone	10,853	10,018
Travel	6,553	1,181
Postage	4,794	4,574
Meetings and entertainment	2,110	637
Publications and subscriptions	2,066	4,019
Professional memberships	2,034	3,208
Printing and copying	<u>637</u>	<u>728</u>
 Total supporting expenses	 <u>\$ 4,382,340</u>	 <u>\$ 4,152,689</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

Federal Assistance Listing Number	Federal Grantor/Pass Through Grantor/Cluster Title	Program Title	Pass-Through Entity Identifying No.	Total Federal Expenditures	Amount Provided to Subrecipients	Major Program
Research and Development Cluster						
U.S. Department of Homeland Security						
Pass-Through Programs from:						
97.039	State University of New Jersey (All Campuses)	Hazard Mitigation Grant	PID#829294 SUB#1764	\$ 29,233		*
97.061	University of North Carolina	Centers for Homeland Security	5101653	32,292		*
97.067	Virginia Department of Emergency Management	Homeland Security Grant Program	8552	59,025		*
(1)	Hampton Roads Planning District Commission	Hampton Roads Metropolitan Medical Response System (HRMMRS) Emergency Medical	EM-2021-01	43,004		*
Subtotal Pass-Through Programs				\$ 163,554		
Total U.S. Department of Homeland Security				\$ 163,554		
U.S. Department of Commerce						
Direct Programs:						
11.020	Economic Development Administration	Cluster Grants	ED19HDQ0200096	\$ 175,045		*
11.431	National Oceanic and Atmospheric Administration	Climate and Atmospheric Research	NA19OAR4310309	93,581	\$ 26,903	*
11.478	National Oceanic and Atmospheric Administration	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA18NOS4780176	133,613		*
11.478	National Oceanic and Atmospheric Administration	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA18NOS4780176	97,989		*
Subtotal Direct Programs				\$ 500,228		
Pass-Through Programs from:						
11.008	Consortium for Ocean Leadership, Inc.	Noaa Mission-Related Education Awards	220371	\$ 8,182		*
11.012	State University of New Jersey (All Campuses)	Integrated Ocean Observing System (IOOS)	6168	86,126	2,010	*
11.012	University of Delaware	Integrated Ocean Observing System (IOOS)	56336	28,550		*
11.012	University of Delaware	Integrated Ocean Observing System (IOOS)	UDR0000090	76,886		*
11.012	University of Delaware	Integrated Ocean Observing System (IOOS)	UDR0000091	9,791		*
11.021	Nalu Scientific	Noaa Small Business Innovation Research (SBIR) Program	500443-010_210187	34,560		*
11.303	Virginia Polytechnic Institute and State University	Economic Development Technical Assistance	545239-19076	12,500		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	72152K-712684	1,928		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	721546-712684	30,917		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	72155N-712684	37,745		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	72155P-712684	23,087		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	72155Q-712684	25,251		*
11.417	Virginia Polytechnic Institute and State University	Sea Grant Support	419820-19076	3,750		*
11.454	State University of New Jersey (All Campuses)	Unallied Management Projects	1643	52,710		*
11.478	Bishop Museum	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	310845-NOAA AS-ODU	46,047		*
11.478	Virginia Institute of Marine Science	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	720364-712684	5,993		*
11.478	Virginia Institute of Marine Science	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	721733-712685	133,871		*
Subtotal Pass-Through Programs				\$ 617,894		
Total U.S. Department of Commerce				\$ 1,118,122		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

Federal Assistance Listing Number	Federal Grantor/Pass Through Grantor/Cluster Title	Program Title	Pass-Through Entity Identifying No.	Total Federal Expenditures	Amount Provided to Subrecipients	Major Program
U.S. Department of Defense						
Direct Programs:						
12.300	Office of Naval Research	Basic and Applied Scientific Research	17-812	\$ 11,040		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	17-812	18,154		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	17-812	8,757		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	17-812	13,532		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2682	157,664		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2682	8,861		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2682	19,752		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2804	1,603		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-20-1-2065	86,997		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-21-1-2081	36,170		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-21-1-2248	87,657		*
12.300	Office of the Secretary of Defense	Basic and Applied Scientific Research	HQ00342010012	19,241		*
12.330	National Security Agency	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach and Workforce Program	H98230-21-1-0278	190,763		*
12.431	Army Contracting Command	Basic Scientific Research	W909MY-17-1-0002	10,131		*
12.431	Army Research Office	Basic Scientific Research	W911NF-17-1-0443	(2,129)		*
12.800	Air Force Office of Scientific Research (AFOSR)	Air Force Defense Research Sciences Program	FA9550-17-1-0196	48,030		*
12.800	Air Force Research Laboratory	Air Force Defense Research Sciences Program	FA9550-17-1-0257	188,547		*
12.905	National Security Agency	Cybersecurity Core Curriculum	H98230-20-1-0398	22,622		*
12.905	National Security Agency	Cybersecurity Core Curriculum	H98230-21-1-0165	19,787		*
(1)	National Security Agency	Old Dominion University Gencyber JROTC Students and Teachers Interactive Learnin	H98230-21-1-0063	100,193		*
(1)	Joint Non-Lethal Weapons Directorate	IPA Brian Long	200402	173,276		*
(1)	Joint Non-Lethal Weapons Directorate	IPA Brian Long - Renewal	220481	27,093		*
(1)	Naval Sea Systems Command	Automation Tools and Analytics Courses for the Naval Shipyard	GS-10F-097CA	216,837		*
(1)	Naval Sea Systems Command	Automation Tools & Analytics Courses for the Naval Shipyard Project Extension	N002418FB057 P0001	230,723		*
(1)	Naval Surface Warfare Center	High Fidelity Maritime Traffic	N0017821P6862	249,998		*
(1)	Naval Surface Warfare Center	High Fidelity Maritime Traffic	N0017822P6667	104,263		*
(1)	Navsup Fleet Logistics Center Norfolk	Western Hemisphere Illicit Network Review	N0018919PZ962	581,502	573,336	*
(1)	Navsup Fleet Logistics Center Norfolk	JFSC Senior Fellow Support Services	N00189-20-P-Z336	9,079		*
(1)	Norfolk Naval Shipyard	Lean Six Sigma Training Space	N4215819PN181	42,254		*
		Subtotal Direct Programs		\$ 2,682,397		
Pass-Through Programs from:						
12.000	Stevens Institute of Technology	<Untitled>	1201402-01	\$ 8,500		*
12.000	Stevens Institute of Technology	<Untitled>	2103261-01	281,692		*
12.000	Stevens Institute of Technology	<Untitled>	TASK ORDER HQ003421F0482	124,052		*
12.300	Lift Technology Operated By Almmii	Basic and Applied Scientific Research	M009-01	168,257		*
12.300	Lift Technology Operated By Almmii	Basic and Applied Scientific Research	M009-01	47,376		*
12.300	Lift Technology Operated By Almmii	Basic and Applied Scientific Research	M009-01	900		*
12.300	Lift Technology Operated By Almmii	Basic and Applied Scientific Research	M009-01	708		*
12.300	Old Dominion University	Basic and Applied Scientific Research	N00014-19-1-2624	305,345		*

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

Federal Assistance Listing Number	Federal Grantor/Pass Through Grantor/Cluster Title	Program Title	Pass-Through Entity Identifying No.	Total Federal Expenditures	Amount Provided to Subrecipients	Major Program
12.300	University of Cincinnati	Basic and Applied Scientific Research	012288-002	116,902		*
12.420	Embody	Military Medical Research and Development	18-473	92,862		*
12.556	York County Schools	Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools	ODU-190226	24,039		*
12.600	Virginia Department of Veterans Services	Community Investment	210741	300,367		*
12.610	Virginia Department of Economic Development	Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies	200615	366,813	58,876	*
12.617	Virginia Department of Veterans Services	Economic Adjustment Assistance for State Governments	210442	456,585		*
12.630	Howard University	Basic, Applied, and Advanced Research in Science and Engineering	0009887-1000095661	238,950		*
12.630	Norfolk State University	Basic, Applied, and Advanced Research in Science and Engineering	F1040077-01	13,378		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517	585,680	275,584	*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-10517/011	62,751		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517/012	150,419		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517/013	125,441		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-22-1-0115	30,372		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-22-1-0170	103,200		*
12.903	Old Dominion University	Gencyber Grants Program	H98230-20-1-0111	29,443		*
12.903	Old Dominion University	Gencyber Grants Program	H98230-21-1-0098	20,243		*
12.903	Old Dominion University	Gencyber Grants Program	H98230-21-1-0099	808		*
12.905	University of Virginia	Cybersecurity Core Curriculum	GG13380.PO#2404897	1,594		*
12.910	Applied Research LLC	Research and Technology Development	112-1	19,354		*
12.910	Pennsylvania State University	Research and Technology Development	6146-ODURF-ARO-0272	104,427		*
(1)	Virginia Polytechnic Institute and State University	Consortium of Cybersecurity Research and Adv Training of ROTC Stud Virtual Insti	419890-19076	765		*
(1)	Lynntech, Inc.	Energy Harvesting System	AF-005 II	70,876		*
(1)	MAS Global Solutions	Phase I AF21A-TCS01	500456-010_SRA	15,000		*
(1)	Ted Text LLC	STTR: Competency Evaluation System (CES) Texting	200819	1		*
(1)	Circadence	SLATE	0068	122,831		*
(1)	Circadence	Advanced Instrumentation Technology Spectrum Risk	20-ODU-01	111,327		*
(1)	Circadence	Dod Instrumentation Analysis and Roadmap Development	20-ODU-01	120,145		*
(1)	Circadence	OASD Strategy Dev Task- Labor Only	20-ODU-01	64,298		*
(1)	Circadence	OASD Strategy Dev Task- Travel Only	20-ODU-01	2,883		*
(1)	Circadence	Ambit Ew Sim Planning- Labor Only	20-ODU-01	126,771		*
(1)	Circadence	Ambit Ew Sim Planning- Travel Only	20-ODU-01	1,503		*
(1)	Frontier Technology Inc.	Federal Systems Integration & Mgmt Ctr	100063-SA-22-V0000342	201,358		*
(1)	Great Lakes Systems and Technology	Self-Driving Electric Vehicle Robotic Tech Kernel	69-201815 GLS&T T01	14,752		*
(1)	D'Angelo Technologies LLC	Advanced Ship-Handling Simulators Phase II	2020-006	147,605		*
(1)	Frontier Technology Inc.	Cyber Tool Suite & Modernization	ODU-21-208990-406	68,486		*
(1)	Lockwood Hills	Sme Adl Initiative	A20-002741	22,305		*
(1)	Mantech	Evaluation and Enhancement of Simulation Frameworks to	MAS11-20-I-FP-0537	(1,298)		*
(1)	Qinetiq (MTEQ)	Innovative Discovery Science Platform (IDISPLA) Research	46055	200		*
(1)	Virginia Tech ARC	Smart Warehouse 5G Network	2021-0005	486,038		*
(1)	VR Rehab, Inc.	Sbir Saipan System	SAIPAN-21C-6604-ODU-PHI-OPT	20,605		*
(1)	Alex – Alternative Experts, LLC	Non-Lethal Fires Course Development	ODURF-5084	2,280		*

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(1)	Booz Allen and Hamilton, Inc. (BAH)	Naval Station Norfolk (NS Norfolk) 5G Architecture Ashore and Afloat	A10784	124,080		*
(1)	Camber Corporation	New IPOET	N00178-14-D-7650	2,573		*
(1)	Camber Corporation	New Prior	N00178-14-D-7650	8		*
(1)	Camber Corporation	Mission Engineering	N00178-14-D-7650	26,347		*
(1)	Camber Corporation	IPOET	N00178-17-F-3011	(6,807)		*
(1)	Design Interactive, Inc.	CACHE (Collab Auto Curation Holistic Engine)	SUB-N68335-01	36,211		*
(1)	Design Interactive, Inc.	Cache - Option 2	SUB-N68335-01	2,029		*
(1)	Mantech	Eval & Enhancement of Sim Framework	30699-22-FP-T-21918	121,987		*
(1)	Valkyrie Enterprises, Inc.	Operationally Directed Instructional Network-Engineering	VE102056ODU-REFOUNDATION	4,967		*
(1)	Valkyrie Enterprises, Inc.	Operationally Directed Instructional Network-Engineering	VE102056ODU-REFOUNDATION	302,961		*
(1)	VR Rehab, Inc.	Rugged Touchscreen Button with Positive Indication Feedback	19-C-0155-ODU-PHII-OPTION	10,434		*
Subtotal Pass-Through Programs				\$ 6,003,979		
Total U.S. Department of Defense				\$ 8,686,376		
<u>U.S. Department of Energy</u>						
Direct Programs:						
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-FG02-96ER40960	\$ 837,795		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-FG02-96ER40960	119,338		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-FG0297ER41028	156,199		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DESC0010081	108,079	2,364	*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019125	1,728		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019149	20,792		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019399	17,592		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0020183	76,185		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0021857	41,147		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0022284	44,861		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC002286	61,828		*
(1)	Fermi National Accelerator Laboratory	Niobium Films Quantum Comp	678076	37,109		*
(1)	Fermi National Accelerator Laboratory	Cylindrical Magnetron Sputtering	682075	8,658		*
Subtotal Direct Programs				\$ 1,531,311		
Pass-Through Programs from:						
81.049	Michigan State University	Office of Science Financial Assistance Program	RC112779-ODU	\$ 41,515		*
81.049	Old Dominion University	Office of Science Financial Assistance Program	DE-SC0018106	132,474		*
81.049	Old Dominion University	Office of Science Financial Assistance Program	DE-SC0019229	225,967		*
81.049	Old Dominion University	Office of Science Financial Assistance Program	DE-SC0022309	76,488		*
81.087	Colorado School of Mines	Renewable Energy Research and Development	401234-5801	163,734		*
81.087	South Dakota School of Mines and Technology	Renewable Energy Research and Development	SDSMT-ODU 19-06 R1	88,495		*
81.089	Old Dominion University	Fossil Energy Research and Development	DE-FE0031744	168,561	82,015	*
81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078260-15890	67		*
81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078620-15890	81		*
81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078620-15890	3,141		*

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81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078620-15890	363		*
81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078620-17944	239,999		*
(1)	Ames Research Labs	Enabling Gamess for Exoscale Computing	SC-18-462	171,318		*
(1)	Ames Research Labs	Development of Exascale Software for Interfacial Catalysis	SC-19-496	33,286		*
(1)	Applied Research LLC	Advanced Concepts in Tech	117-1	20,177		*
(1)	Brookhaven National Laboratory	Eic Background Studies and the Impact on the Ir and Detector Design	341538	8,417		*
(1)	Fermi National Accelerator Laboratory	HL LHC Accelerator Upgrade	665989	83,172		*
(1)	Fermi National Accelerator Laboratory	Numerical Intergration on GPUS	667742	58,935		*
(1)	Fermi National Accelerator Laboratory	Cylindrical Magnetron Sputter Coater	672638	31,850		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JSA Faculty Salaries	17-C1093	778,747		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	Huang Support	17-C1093	91,995		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	N Sayeed Support	17-C1150	10,202		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Sakiotis	17-C1150	21,723		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Tomadakis	17-C1150	26,298		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Farhat	17-C1150	2,872		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Dhital	17-C1150	26,515		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Senevirathne	17-C1150	13,732		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Neththikumara	17-C1150	27,518		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Tiskumara	17-C1150	20,598		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Yoskowitz	17-C1150	24,704		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Makita	17-C1150	18,171		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Parajuli	17-C1150	20,366		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Wijethunga	17-C1150	8,213		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Li	17-C1150	28,217		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab M Rahman	17-C1150	18,889		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Pokharel	17-C1150	27,464		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Khanal	17-C1150	27,464		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab a Rahman	17-C1150	27,464		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Carrillo Bernal	17-C1150	25,357		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab H Pokhrel	17-C1150	4,522		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Coxo	17-C1150	21,924		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Breen	17-C1150	10,411		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Rogers	17-C1150	10,410		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Garner	17-C1150	22,703		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Ploen	17-C1150	6,407		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Maniscalco	17-C1150	12,645		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Belfore	17-C1150	5,700		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Ahammed	17-C1150	11,891		*

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(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Glandon	17-C1150	5,621		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JLab Blume	17-C1150	3,042		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	EIC Crabbing System R&D	20-D0972	145,931		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	Photocathodes w/90% Polarization for DOE NP	21-D0188	83,058		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	Islam 2021-2022 JSA/JLab Graduate Fellowship	220133	11,000		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	Kerver 2021-2022 JSA/JLab Graduate Fellowship	220134	7,188		*
(1)	Los Alamos National Laboratories	Topological Relation-Based Image	601957	46,720		*
(1)	National Renewable Energy Laboratory	Evaluation of Flash Hydrolysis for High Protein Algal Biomass Deconstruction	XEJ-9-92352-01	16,036		*
(1)	Sandia National Laboratories	SNL Hydrothermal Processing	2181170	2,612		*
(1)	Virginia Department of Mines, Minerals, and Energy	DMME Offshore Wind Support	C20-6012	201,872		*
		Subtotal Pass-Through Programs		\$ 3,424,242		
		Total U.S. Department of Energy		\$ 4,955,553		
<u>U.S. Department of the Interior</u>						
	Pass-Through Programs from:					
15.423	State University of New Jersey (All Campuses)	Bureau of Ocean Energy Management (BOEM) Environmental Studies Program (ESP)	1173 PO1200670	\$ 10,511		*
15.441	Texas A&M University	Safety and Environmental Research and Data Collection for Offshore Energy and Mineral Activities	M2102651	30,234		*
15.945	National Park Service	Cooperative Research and Training Programs – Resources of the National Park System	P21AC11936-00	19,954	11,524	*
15.945	National Park Service	Cooperative Research and Training Programs – Resources of the National Park System	P21AC11936-01	5,916		*
15.945	Old Dominion University	Cooperative Research and Training Programs - Resources of the National Park System	P19AC01077	142,109	63,621	*
15.945	Old Dominion University	Cooperative Research and Training Programs – Resources of the National Park System	P19AC01077	48,553		*
15.945	Old Dominion University	Cooperative Research and Training Programs – Resources of the National Park System	P19AC01077-05	3,446		*
15.945	Old Dominion University	Cooperative Research and Training Programs – Resources of the National Park System	P19AC01077-06	32,186	23,226	*
		Subtotal Pass-Through Programs		\$ 292,909		
		Total U.S. Department of the Interior		\$ 292,909		
<u>U.S. Department of Justice</u>						
	Direct Programs:					
16.560	National Institute of Justice	National Institute of Justice Research, Evaluation, and Development Project Grants	2018-75-CX-0002	\$ 137,808	59,888	*
		Subtotal Direct Programs		\$ 137,808		
		Total U.S. Department of Justice		\$ 137,808		
<u>U.S. Department of State</u>						
	Pass-Through Programs from:					
19.900	American Council of International Education	AEECA/ESF PD Programs	220321	\$ 60		*
19.900	American Council of International Education	AEECA/ESF PD Programs	SUZ800-18-CA-0001	14,837		*
		Subtotal Pass-Through Programs		\$ 14,897		
		Total U.S. Department of State		\$ 14,897		

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U.S. Department of Transportation						
Direct Programs:						
20.111	Federal Aviation Administration	Aircraft Pilots Workforce Development Grant Program	G-21-WD-AP-117	\$ 27,889	4,312	*
Subtotal Direct Programs				\$ 27,889		
Pass-Through Programs from:						
20.200	National Academy of Sciences (NAS)	Highway Research and Development Program	NCHRP-225	\$ 37,004	12,014	*
20.200	The National Academies	Highway Research and Development Program	HR23-16A	17,851	880	*
(1)	Leidos	Carma Hardware in the Loop Stimulation	P010253430	48,682		*
(1)	The National Academies	NAS Acrp Grad Research Award Mod#2	A11-04	562,034	97,464	*
Subtotal Pass-Through Programs				\$ 665,571		
Total U.S. Department of Transportation				\$ 693,460		
U.S. Department of Education						
Direct Programs:						
84.324A	U.S. Department of Education	Research in Special Education	R324A160277	\$ 142,130		*
84.325K	U.S. Department of Education	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	H325K150208	55,106		*
84.365Z	U.S. Department of Education	English Language Acquisition State Grants	T365Z210102	67,954		*
84.411C	U.S. Department of Education	Investing in Innovation (I3) Fund	U411C190032	795,527	167,282	*
Subtotal Direct Programs				\$ 1,060,717		
Pass-Through Programs from:						
84.051F	Old Dominion University	Career and Technical Education -- National Programs	V051F190072	\$ 120,462		*
84.116S	Old Dominion University	Fund for the Improvement of Postsecondary Education	P116S210003	26,301		*
84.181	Virginia Department of Behavioral Health/Developmental Services	Special Education-Grants for Infants and Families	720-4388	33,190		*
84.181	Virginia Department of Behavioral Health/Developmental Services	Special Education-Grants for Infants and Families	720-4833	12,791		*
84.184F	Old Dominion University	Safe and Drug-Free Schools and Communities_National	876-60029-S184F180014	308,101		*
84.184F	Old Dominion University	Safe and Drug-Free Schools and Communities_National	876-APE60047-S184F180014-18	32,588		*
84.184H	Old Dominion University	Safe and Drug-Free Schools and Communities_National	00879-APE60050-S184H200009	226,209		*
84.184H	Old Dominion University	Safe and Drug-Free Schools and Communities_National	2020-876-60167-S184H200009	22,956		*
84.305A	University of Virginia	Education Research, Development and Dissemination	GM10189.PO #2262090	39,885		*
84.323A	Old Dominion University	Special Education - State Personnel Development	2017-876-60300-H323A170018	428,822		*
84.325H	East Carolina University	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	AWD-20-0512-S008-A01	170,613		*
84.325K	Virginia Commonwealth University	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	FP00005771_SA002	27,490		*
84.325P	Old Dominion University	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	876-40288-H325P210003	10,152		*
84.326S	University of Oregon	Special Education_Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	282070A	581,139		*
84.335A	Old Dominion University	Child Care Access Means Parents in School	P335A190335	118,305		*
84.365Z	Old Dominion University	English Language Acquisition State Grants	T365Z160151	351,199		*
84.424	Old Dominion University	Student Support and Academic Enrichment Program	876-1234-OSS	86,478		*

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84.425	Old Dominion University	Education Stabilization Fund	876-APE60043-S425D200008	185,064		*
84.425	Old Dominion University	Education Stabilization Fund	876-FY22-ODU-ERI	88,655		*
84.425	Old Dominion University	Education Stabilization Fund	PIC-876-FY22	60,000		*
84.425G	Hampton University	Education Stabilization Fund	HU-210001	706,220		*
Subtotal Pass-Through Programs				\$ 3,636,620		
Total U.S. Department of Education				\$ 4,697,337		
 <u>Environmental Protection Agency</u>						
Pass-Through Programs from:						
66.432	Old Dominion University	State Public Water System Supervision	VDH-21-103-0154	\$ 323		*
66.444	Old Dominion University	Lead Testing in School and Child Care Program Drinking Water (SDWA 1464(D))	VDH-21-103-0177	40,833		*
Subtotal Pass-Through Programs				\$ 41,156		
Total Environmental Protection Agency				\$ 41,156		
 <u>U.S. Department of Health and Human Services</u>						
Direct Programs:						
93.113	U.S. Public Health Service (Including NIH)	Environmental Health	1U01ES030674-01A1	\$ 33,840		*
93.113	U.S. Public Health Service (Including NIH)	Environmental Health	5U01ES030674-02	397,725		*
93.124	U.S. Public Health Service (Including NIH)	Nurse Anesthetist Traineeship	5 A22HP30949-05-00	17,588		*
93.213	U.S. Public Health Service (Including NIH)	Research and Training in Complementary and Integrative Health	1R34AT011038-01	64,062	15,001	*
93.213	U.S. Public Health Service (Including NIH)	Research and Training in Complementary and Integrative Health	5R34AT011038-02	145,224	23,738	*
93.242	U.S. Public Health Service (Including NIH)	Mental Health Research Grants	1F31MH120982-01A1	36,375		*
93.243	U.S. Department of Health and Human Services	Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79SM080472-03	23,146	4,129	*
93.247	U.S. Department of Health and Human Services	Advanced Nursing Education Grant Program	T94HP30910-02-04	91		*
93.247	U.S. Public Health Service (Including NIH)	Advanced Nursing Education Grant Program	4 T94HP30910-02-04	391		*
93.273	U.S. Public Health Service (Including NIH)	Alcohol Research Programs	5 R01 AA023197-04	5,194	5,194	*
93.273	U.S. Public Health Service (Including NIH)	Alcohol Research Programs	5K01AA023849-05	150,842		*
93.279	U.S. Public Health Service (Including NIH)	Drug Abuse and Addiction Research Programs	5R01DA039904-05	109,661	27,420	*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	3R01EB020683-04S1	25,477	557	*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	3R01EB020683-04S2	9,649		*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	5R01EB020683-03	183,238	7,110	*
93.307	U.S. Public Health Service (Including NIH)	Minority Health and Health Disparities Research	1R01MD012598-01A1	214,015		*
93.359	U.S. Public Health Service (Health Resources and Services Ad	Nurse Education, Practice Quality and Retention Grants	5 U2VHP33063-03-00	471,373		*
93.359	U.S. Public Health Service (Health Resources and Services Ad	Nurse Education, Practice Quality and Retention Grants	5 UD7HP37636-02-00	380,393		*
93.359	U.S. Public Health Service (Health Resources and Services Ad	Nurse Education, Practice Quality and Retention Grants	U2VHP33063-02-00	18,385		*
93.359	U.S. Public Health Service (Health Resources and Services Ad	Nurse Education, Practice Quality and Retention Grants	UD7HP37636-01-00	66,178		*
93.732	U.S. Public Health Service (Health Resources and Services Ad	Mental and Behavioral Health Education and Training Grants	1 M01HP42511-01-00	100,238		*
93.732	U.S. Public Health Service (Health Resources and Services Ad	Mental and Behavioral Health Education and Training Grants	5 M01HP31324004-00	329,941		*

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93.732	U.S. Public Health Service (Health Resources and Services Ad	Mental and Behavioral Health Education and Training Grants	T97HP33393-01-02	214,556		*
93.837	U.S. Public Health Service (Including NIH)	Cardiovascular Diseases Research	5R21HL127580-02	49,637		*
93.855	U.S. Department of Health and Human Services	Allergy, Immunology, and Transplantation Research	R01A1136035	292,349	187,959	*
93.855	U.S. Public Health Service (Including NIH)	Allergy, Immunology, and Transplantation Research	5R03A1149169-02	72,724		*
93.855	U.S. Public Health Service (Including NIH)	Allergy, Immunology, and Transplantation Research	5R03A1159280-02	68,343		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM119063-01A1	14,521		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM119116-01	105,603		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM131330-01	82,064		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1T32GM140911-01	107,629		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	2R15GM116082-02	106,617		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	3T34GM118256-03S1	4,565		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	5R01GM062968-15	247,924		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	5T32GM140911-02	28,603		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	5T34GM118259-03	3,381		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	5T34GM118259-04	318,477		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	5T34GM118259-05	9,671		*
Subtotal Direct Programs				\$ 4,509,690		
Pass-Through Programs from:						
93.143	Johns-Hopkins University	Niehs Superfund Hazardous Substances_Basic Research and Education	2005223067	\$ 13,713		*
93.242	State University of New Jersey (All Campuses)	Mental Health Research Grants	1907	100,176		*
93.242	State University of New Jersey (All Campuses)	Mental Health Research Grants	2036	8,155		*
93.243	Louisiana State University	Substance Abuse and Mental Health Services Projects of Regional and National Significance	PO-0000181067	26,778		*
93.247	Loyola University (Chicago)	Advanced Nursing Education Grant Program	LU#211699	20,141		*
93.262	Johns-Hopkins University	Occupational Safety and Health Program	2004640704	411		*
93.262	Johns-Hopkins University	Occupational Safety and Health Program	2005091254	7,574		*
93.262	Johns-Hopkins University	Occupational Safety and Health Program	2005091525	6,241		*
93.286	University of South Florida	Discovery and Applied Research for Technological Innovations to Improve Human Health	6100-1000-00-A	49,153		*
93.307	Medical Cyberworlds, Inc.	Minority Health and Health Disparities Research	ODU_MCI 001	55,176		*
93.354	Old Dominion University	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response	876-DOE86831-NU90TP922153	65,500		*
93.394	Memorial Sloan Kettering Cancer Center	Cancer Detection and Diagnosis Research	SKICR-ODU-2022	13,065		*
93.837	Eastern Virginia Medical School	Cardiovascular Diseases Research	VSA 2021-2022	5,001		*
93.837	Louisiana State University	Cardiovascular Diseases Research	PO-0000185509	6,149		*
93.837	Norfolk State University	Cardiovascular Diseases Research	F1040109	40,895		*
93.838	Kevirx, Inc.	Lung Diseases Research	R43HL158409-01A1-001	53,510		*
93.855	University of California (All Campuses)	Allergy, Immunology, and Transplantation Research	2020-1258	105,105		*
93.859	College of William and Mary	Biomedical Research and Research Training	743311-712687	3,805		*
93.859	Michigan State University	Biomedical Research and Research Training	RC106661OD	4,899		*
93.859	Michigan State University	Biomedical Research and Research Training	RC111172A	93,654		*
93.867	Stony Brook University	Vision Research	87527/1159967	40,040		*
Subtotal Pass-Through Programs				\$ 719,141		
Total U.S. Department of Health and Human Services				\$ 5,228,831		

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<u>U.S Department of Housing and Urban Development</u>						
Direct Programs:						
14.506	U.S. Department of Housing and Urban Development	General Research and Technology Activity	RP-20-VA-001	\$ 202,573		*
Subtotal Direct Programs				\$ 202,573		
Total U.S. Department of Housing and Urban Development				\$ 202,573		
<u>Library of Congress</u>						
Pass-Through Programs from:						
(1)	Waynesburg University	Stories Untold: School Desegregation in the Context of U.S. History	200387	\$ 12,846	1,625	*
(1)	Waynesburg University	Investigating Teacher Knowledge Growth in the Community of Practice	200570	1,760		*
Subtotal Pass-Through Programs				\$ 14,606		
Total Library of Congress				\$ 14,606		
<u>National Aeronautics and Space Administration</u>						
Direct Programs:						
43.001	Langley Research Center	Science	NNX15AW39G S11	\$ 1,284		*
43.001	NASA/Headquarters	Science	80NSSC18K0240	86,982		*
43.001	NASA/Headquarters	Science	80NSSC19K0417	193,748		*
43.001	NASA/Headquarters	Science	80NSSC20K0482	76,107		*
43.001	NASA/Headquarters	Science	80NSSC21K0412	64,027		*
43.001	NASA/Headquarters	Science	80NSSC21K0924	46,823		*
43.001	NASA/Headquarters	Science	80NSSC21K1152	47,789		*
43.001	NASA/Headquarters	Science	80NSSC21K1194	48,309		*
43.001	NASA/Headquarters	Science	80NSSC21K1372	16,232		*
43.001	NASA/Headquarters	Science	80NSSC21K1463	11,030		*
43.002	Langley Research Center	Aeronautics	NNX15AU39A	12,988		*
43.003	Langley Research Center	Exploration	80NSSC20M0090	160,628		*
43.008	Langley Research Center	Education	210392	3,898		*
43.008	Langley Research Center	Education	210397	8,697		*
43.008	Langley Research Center	Education	210480	3,511		*
43.008	Langley Research Center	Education	210737	2,337		*
43.008	Langley Research Center	Education	220312	2,686		*
43.008	Langley Research Center	Education	80NSSC20K1086	96,832		*
43.008	Langley Research Center	Education	80NSSC20M0056	754,780	46,044	*
43.008	NASA Goddard Spaceflight Center	Education	200365	1,537		*
43.008	NASA Goddard Spaceflight Center	Education	210420	9,352		*
43.008	NASA Goddard Spaceflight Center	Education	NNX15AI20H	28		*
Subtotal Direct Programs				\$ 1,649,605		
Pass-Through Programs from:						
43.001	Space Science Institute (SSI)	Science	SUBCON 01069	\$ 2,338		*
43.001	Woods Hole Oceanographic Institution	Science	23124100	41,877		*
43.008	National Institute of Aerospace Associates (NIA)	Education	201017-ODURF	(5)		*

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43.008	National Institute of Aerospace Associates (NIA)	Education	201183-ODURF	69,018		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202022-ODURF	24,969		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202041-ODURF	28,286		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202050-ODURF	53,390		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202069-ODURF	48,949		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202075-ODURF	43,017		*
43.008	National Institute of Aerospace Associates (NIA)	Education	202076-ODURF	4,601		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401014-ODURF	44,832		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401015-ODURF	5,783		*
(1)	National Institute of Aerospace Associates (NIA)	TD-FAST (Time Domain Fast Acoustic Scattering Toolkit) Improvements Application	T13-6500-ODU-602016	47,004		*
(1)	National Institute of Aerospace Associates (NIA)	Methodologies for Efficient Calibration of High-Capacity Force Balances	T13-6500-ODU-602024	19,649		*
(1)	National Institute of Aerospace Associates (NIA)	Training in Response Surface Methods for NASA	T13-6500-ODU-602025	30,699		*
(1)	National Institute of Aerospace Associates (NIA)	TD-FAST (Time Domain Fast Acoustic Scattering Toolkit) Extension Application	T13-6500-ODU-602028	36,427		*
(1)	National Institute of Aerospace Associates (NIA)	Methodologies for Efficient Calibration of High-Capacity Force Balances 2022	t13-6500-ODU-602030	19,299		*
(1)	National Institute of Aerospace Associates (NIA)	Director of Graduate Programs, National Institute of Aerospace	X20-0810-ODU	107,330		*
(1)	Polyk Technologies, LLC	Electroactive Polymer Technology	PK-S20A	(1)		*
(1)	Virginia State University	Donor Materials Welding Blisks	R000058	50,560		*
Subtotal Pass-Through Programs				\$ 678,022		
Total National Aeronautics and Space Administration				\$ 2,327,627		
<u>National Endowment for the Humanities</u>						
Direct Programs:						
45.163	National Endowment for the Humanities	Promotion of the Humanities Professional Development	BH-267105-19	171,550	26,707	*
45.169	National Endowment for the Humanities	Promotion of the Humanities Office of Digital Humanities	HAA-277270-21	64,982		*
45.312	Institute of Museum and Library Services	National Leadership Grants	LG-246292-OLS-20	25,269		*
45.313	Institute of Museum and Library Services	Laura Bush 21St Century Librarian Program	RE-250045-OLS-21	4,891		*
45.313	Institute of Museum and Library Services	Laura Bush 21St Century Librarian Program	RE-250048-OLS-21	31,446		*
Subtotal Direct Programs				\$ 298,138		
Pass-Through Programs from:						
45.312	Virginia Polytechnic Institute and State University	National Leadership Grants	451593-19076	117,296		*
Subtotal Pass-Through Programs				\$ 117,296		
Total National Endowment for the Humanities				\$ 415,434		
<u>National Science Foundation</u>						
Direct Programs:						
47.041	National Science Foundation	Engineering	1450936	\$ 19,540		*
47.041	National Science Foundation	Engineering	1825338	49,274		*
47.041	National Science Foundation	Engineering	1825338	4,563		*
47.041	National Science Foundation	Engineering	1921363	114,933		*
47.041	National Science Foundation	Engineering	1921364	38,632		*
47.041	National Science Foundation	Engineering	1936005	42,592		*

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47.041	National Science Foundation	Engineering	1951745	175,603	40,921	*
47.041	National Science Foundation	Engineering	1951745	60,318		*
47.041	National Science Foundation	Engineering	1951745	54,587		*
47.041	National Science Foundation	Engineering	1953411	48,600		*
47.041	National Science Foundation	Engineering	2001625	573		*
47.041	National Science Foundation	Engineering	NSF CBET1450936	23,947		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1606743	8,253		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1632749	84,621		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1659177	14,400		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1659476	53,944		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1708717	28,012		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1800141	15,492		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1808609	135,801		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1847771	82,250		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1909268	31,126		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1912958	27,792		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1939203	19,156		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1950141	78,120		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2003853	44,662		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2007157	36,869		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2011734	94,850		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2012235	31,980		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2150385	51,796		*
47.049	National Science Foundation	Mathematical and Physical Sciences	2213366	4,715		*
47.049	National Science Foundation	Mathematical and Physical Sciences	NSF DMS-1720408	62,568		*
47.050	National Science Foundation	Geosciences	1635403	8,229		*
47.050	National Science Foundation	Geosciences	1643652	9,962		*
47.050	National Science Foundation	Geosciences	1658318	26,791		*
47.050	National Science Foundation	Geosciences	1737342	115,416		*
47.050	National Science Foundation	Geosciences	1745011	32,956		*
47.050	National Science Foundation	Geosciences	1745214	14,337		*
47.050	National Science Foundation	Geosciences	1756590	105,048		*
47.050	National Science Foundation	Geosciences	1756669	35,148		*
47.050	National Science Foundation	Geosciences	1803933	55,808		*
47.050	National Science Foundation	Geosciences	1829833	41,532		*
47.050	National Science Foundation	Geosciences	1833201	7,155		*
47.050	National Science Foundation	Geosciences	1850925	81,912		*
47.050	National Science Foundation	Geosciences	1851368	77,785		*
47.050	National Science Foundation	Geosciences	1852759	17,939		*
47.050	National Science Foundation	Geosciences	1940268	29,550		*
47.050	National Science Foundation	Geosciences	2023315	124,589		*
47.050	National Science Foundation	Geosciences	2033988	3,560		*
47.050	National Science Foundation	Geosciences	2049564	90,029		*
47.050	National Science Foundation	Geosciences	2118915	159,064		*
47.050	National Science Foundation	Geosciences	2123623	40,655		*

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47.050	National Science Foundation	Geosciences	2128438	56,650		*
47.050	National Science Foundation	Geosciences	2143007	967		*
47.050	National Science Foundation	Geosciences	2148812	23,882		*
47.050	National Science Foundation	Geosciences	2148812	11,251		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1829771	99,705		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1850045	30,777		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1950704	72,782		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2007386	99,587		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2008477	22,838		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2043697	22,748		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2045523	91,122		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2125395	25,722		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2131001	952		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2133336	506,734		*
47.070	National Science Foundation	Computer and Information Science and Engineering	2149607	37,252		*
47.074	National Science Foundation	Biological Sciences	1455900	69,482		*
47.074	National Science Foundation	Biological Sciences	1557669	39,314		*
47.074	National Science Foundation	Biological Sciences	1802342	31,537	9,877	*
47.074	National Science Foundation	Biological Sciences	1941853	19,936		*
47.075	National Science Foundation	Social, Behavioral, and Economic Sciences	1949760	119,406		*
47.076	National Science Foundation	Education and Human Resources	1623646	25,049		*
47.076	National Science Foundation	Education and Human Resources	1712251	39,779		*
47.076	National Science Foundation	Education and Human Resources	1742118	190,600		*
47.076	National Science Foundation	Education and Human Resources	1742309	205,132		*
47.076	National Science Foundation	Education and Human Resources	1753793	18,152		*
47.076	National Science Foundation	Education and Human Resources	1821658	164,369		*
47.076	National Science Foundation	Education and Human Resources	1833896	194,404		*
47.076	National Science Foundation	Education and Human Resources	1908743	383,669		*
47.076	National Science Foundation	Education and Human Resources	1914613	167,787	39,090	*
47.076	National Science Foundation	Education and Human Resources	1949952	35,097		*
47.076	National Science Foundation	Education and Human Resources	2000715	120,445	33,468	*
47.076	National Science Foundation	Education and Human Resources	2012941	18,514		*
47.076	National Science Foundation	Education and Human Resources	2042882	435,103	60,726	*
47.076	National Science Foundation	Education and Human Resources	2120820	24,200		*
47.076	National Science Foundation	Education and Human Resources	2139907	25,536		*
47.076	National Science Foundation	Education and Human Resources	2142348	25,970		*
47.076	National Science Foundation	Education and Human Resources	NSF DUE-1601614	57,956	9,949	*
47.079	National Science Foundation	Office of International Science and Engineering	1654957	33,139		*
47.079	National Science Foundation	Office of International Science and Engineering	1743711	936,099	216,618	*
47.079	National Science Foundation	Office of International Science and Engineering	1952521	21,586		*
47.083	National Science Foundation	Integrative Activities	2033827	422		*
(1)	National Science Foundation	IPA Assign Wu He	1851410	219,758		*
		Subtotal Direct Programs		\$ 7,342,444		
	Pass-Through Programs from:					
47.049	Elizabeth City State University	Mathematical and Physical Sciences	20-0027-001	\$ 18,918		*
47.049	Temple University	Mathematical and Physical Sciences	260765-ODU	30,872		*

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47.050	University of Rhode Island	Geosciences	0007471/011122	5,343		*
47.070	Pennsylvania State University	Computer and Information Science and Engineering	5922-ODU-NSF-3288	12,163		*
47.070	Stony Brook University	Computer and Information Science and Engineering	90271/1166029	21,168		*
47.070	Stony Brook University	Computer and Information Science and Engineering	90340/2/116178	13,377		*
47.070	Virginia Commonwealth University	Computer and Information Science and Engineering	FP00011066_SA001	5,120		*
47.074	Columbia University	Biological Sciences	4(GG014070	39,882		*
47.076	Delaware Technical and Community College	Education and Human Resources	2000696-02	17,787		*
47.076	George Mason University	Education and Human Resources	E204629-1	18,706		*
47.076	George Mason University	Education and Human Resources	E2056241	21,870		*
47.076	Norfolk State University	Education and Human Resources	F1040086	12,050		*
47.076	Oklahoma State University	Education and Human Resources	577850-ODU-1	6,324		*
47.076	Smithsonian Institution	Education and Human Resources	T21C010122	30,276		*
47.076	University of Virginia	Education and Human Resources	1712724	24,988		*
47.076	University of Virginia	Education and Human Resources	GA11257 155806	(2,000)		*
47.076	University of Virginia	Education and Human Resources	GA11257.PO #2156441	16,545		*
47.076	Western Washington University	Education and Human Resources	51202-ODUX-00	12,369		*
47.076	Western Washington University	Education and Human Resources	51213-ODUX-00	22,972		*
		Subtotal Pass-Through Programs		\$ 328,730		
		Total National Science Foundation		\$ 7,671,174		
	<u>Small Business Administration</u>					
	Direct Programs:					
59.043	Small Business Administration	Women'S Business Ownership Assistance	SBAHQ20C0087	\$ 159,225		*
59.043	Small Business Administration	Women'S Business Ownership Assistance	SBAHQ20W0049	65,273		*
59.043	Small Business Administration	Women'S Business Ownership Assistance	SBAHQ20W0049	90,872		*
59.044	Small Business Administration	Veterans Outreach Program	SBAOVVB200014	48,931		*
59.044	Small Business Administration	Veterans Outreach Program	SBAOVVB200014-01-00	(590)		*
59.044	Small Business Administration	Veterans Outreach Program	SBAOVVB200014-02-00	353,846		*
		Subtotal Direct Programs		\$ 717,557		
		Total Small Business Administration		\$ 717,557		
	<u>U.S. Agency for Global Media</u>					
	Direct Programs:					
90.500	Open Technology Fund	International Broadcasting Independent Grantee Organizations	B00226-1195-00	\$ 24,686	1,335	*
		Subtotal Direct Programs		\$ 24,686		
		Total U.S. Agency for Global Media		\$ 24,686		
	<u>U.S. Agency for International Development</u>					
	Pass-Through Programs from:					
98.001	Conrad	USAID Foreign Assistance for Programs Overseas	NXC-20-012	\$ 44,468		*
98.001	Eastern Virginia Medical School	USAID Foreign Assistance for Programs Overseas	ENS-20-001	145,128		*
		Subtotal Pass-Through Programs		\$ 189,596		
		Total U.S. Agency for International Development		\$ 189,596		
	<u>U.S. Department of Agriculture</u>					
	Direct Programs:					
10.025	U.S. Department of Agriculture	Plant and Animal Disease, Pest Control, and Animal Care	AP20VSCSAH00C043	\$ 43,058		*

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10.025	U.S. Department of Agriculture	Plant and Animal Disease, Pest Control, and Animal Care	AP22VSSP0000C033	9,509		*
10.250	U.S. Department of Agriculture	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	58-4000-1-0086	12,920		*
10.253	U.S. Department of Agriculture	Consumer Data and Nutrition Research	58-4000-8-0038-R	15,645		*
Subtotal Direct Programs				\$ 81,132		
Pass-Through Programs from:						
10.170	Virginia Department of Agriculture	Specialty Crop Block Grant Program - Farm Bill	FFY 2018-584 301-19-032	\$ 399		*
10.310	Montana State University Northern	Agriculture and Food Research Initiative (AFRI)	726177-ODU-USDA	13,598		*
10.310	University of Maine	Agriculture and Food Research Initiative (AFRI)	UMS-1154	3,382		*
10.557	Tufts University	Special Supplemental Nutrition Program for Women, Infants, and Children	103097-00001 PO #EP0191138	26,852		*
Subtotal Pass-Through Programs				\$ 44,231		
Total U.S. Department of Agriculture				\$ 125,363		
Total Research and Development Cluster				\$ 37,718,619		
Special Education Cluster (IDEA)						
U.S. Department of Education						
Pass-Through Programs from:						
84.027A	George Mason University	Special Education_Grants to States	E2053741	\$ 13,717		
84.027A	George Mason University	Special Education_Grants to States	E2053771	50,347		
84.027A	George Mason University	Special Education_Grants to States	E2057812	7,340		
84.027A	George Mason University	Special Education_Grants to States	E2057881	6,819		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A190107	62,808		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A190107	23,762		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A200107	675,374		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A200107	363,908		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A210107	263,467		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE61244-H027A210107	129,670		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE62555-H027A200107	60,075		
84.027A	Old Dominion University	Special Education_Grants to States	876-APE62555-H027A210107	41,526		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE86625-H027A200107	23,883		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE86625-H027A200107	7,585		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE87026-H027A210107	64,058		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE87052-H027A190107	16,586		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE87052-H027A200107	34,845		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE87052-H027A200107	15,874		
84.027A	Old Dominion University	Special Education_Grants to States	876-DOE88105-H027A200107	5,724		
84.027A	Virginia Commonwealth University	Special Education_Grants to States	FP00015399_SA001	12,838		
84.173A	Old Dominion University	Special Education_Preschool Grants	876-APE62685-H173A190112	11,780		
84.173A	Old Dominion University	Special Education_Preschool Grants	876-APE62685-H173A200112	306,647		
84.173A	Old Dominion University	Special Education_Preschool Grants	876-APE62685-H173A210112	147,295		
Subtotal Pass-Through Programs				\$ 2,345,928		
Total U.S. Department of Education				\$ 2,345,928		
Total Special Education Cluster (IDEA)				\$ 2,345,928		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

Federal Assistance Listing Number	Federal Grantor/Pass Through Grantor/Cluster Title	Program Title	Pass-Through Entity Identifying No.	Total Federal Expenditures	Amount Provided to Subrecipients	Major Program
<u>TRIO Cluster</u>						
<u>U.S. Department of Education</u>						
Direct Programs:						
84.066A	U.S. Department of Education	TRIO_Educational Opportunity Centers	P066A160013	\$ 193,110		
Subtotal Direct Programs				\$ 193,110		
Pass-Through Programs from:						
84.042A	Old Dominion University	TRIO_Student Support Services	P042A200257	\$ 91,030		
84.042A	Old Dominion University	TRIO_Student Support Services	P042A200257-21	285,714		
84.047A	Old Dominion University	TRIO_Upward Bound	P047A171195	375,786		
Subtotal Pass-Through Programs				\$ 752,530		
Total U.S. Department of Education				\$ 945,640		
Total TRIO Cluster				\$ 945,640		
<u>Highway Safety Cluster</u>						
<u>U.S. Department of Transportation</u>						
Pass-Through Programs from:						
20.600	Old Dominion University	State and Community Highway Safety	FSC-2021-51008-21008	\$ 5,151		
20.600	Old Dominion University	State and Community Highway Safety	fsc-2022-52386-22386	5,267		
20.600	Virginia Department of Motor Vehicles	State and Community Highway Safety	FOP-2021-51302-21302	24,822		
20.600	Virginia Department of Motor Vehicles	State and Community Highway Safety	FOP-2022-52335-22335	39,496		
20.616	Virginia Department of Motor Vehicles	National Priority Safety Programs	FM2OP-2021-51219-21219	114,974	64,776	
20.616	Virginia Department of Motor Vehicles	National Priority Safety Programs	FM2OP-2022-52342-22342	47,522		
Subtotal Pass-Through Programs				\$ 237,232		
Total U.S. Department of Transportation				\$ 237,232		
Total Highway Safety Cluster				\$ 237,232		
<u>Highway Planning and Construction Cluster</u>						
<u>U.S. Department of Transportation</u>						
Pass-Through Programs from:						
20.205	Virginia Department of Transportation	Highway Planning and Construction	VTRC 117202	\$ 22,152		
Subtotal Pass-Through Programs				\$ 22,152		
Total U.S. Department of Transportation				\$ 22,152		
Total Highway Planning and Construction Cluster				\$ 22,152		
<u>Non-Cluster Programs</u>						
<u>U.S. Department of Housing and Urban Development</u>						
Pass-Through Programs from:						
93.110	Old Dominion University	Maternal and Child Health Federal Consolidated Programs	705AU93827-A	\$ 15,200		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2022

Federal Assistance Listing Number	Federal Grantor/Pass Through Grantor/Cluster Title	Program Title	Pass-Through Entity Identifying No.	Total Federal Expenditures	Amount Provided to Subrecipients	Major Program
14.889	Urban Strategies, Inc.	Choice Neighborhoods Implementation Grants	200457	15,285		
		Subtotal Pass-Through Programs		\$ 30,485		
		Total U.S. Department of Housing and Urban Development		\$ 30,485		
		Total Non-Cluster Programs		\$ 30,485		
		Total Expenditures of Federal Awards		\$ 41,300,056	\$ 2,283,543	

Notes to the Schedule of Expenditures of Federal Awards

(1) Federal Assistance Listing Number not available

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal grant activity of the Foundation and is presented on the cash basis of accounting. The information in the Schedule is presented in accordance with the requirements of 2 CFR Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, Subpart F. Therefore, some amounts presented in the Schedule may differ from amounts presented in, or used in the preparation of, the basic financial statements.

In addition, expenditures are recognized following the cost principles contained in 2 CFR 220 wherein certain types of expenditures are not allowable or are limited as to reimbursement.

Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

The Foundation elected not to use the 10% de minimis indirect cost rate as allowed under the Uniform Guidance.

For purposes of this Schedule, "Nondisclosed Sponsor" refers to award agreements with confidentiality restrictions as to disclosure in published reports.



**INDEPENDENT AUDITOR’S 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***

To the Board of Trustees
Old Dominion University Research Foundation

We have audited, in accordance with 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 Old Dominion University Research Foundation (the Foundation), which comprise the statement of financial position as of June 30, 2022, the related statements of activities, functional expenses, and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated September 29, 2022.

Report on 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 opinions 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 or significant deficiencies may exist that were not identified.

Report on 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.

PBMares, LLP

Norfolk, Virginia
September 29, 2022



**INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR THE MAJOR
FEDERAL PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE
REQUIRED BY THE UNIFORM GUIDANCE**

To the Board of Trustees
Old Dominion University Research Foundation

Report on Compliance for The Major Federal Program

Opinion on The Major Federal Program

We have audited Old Dominion University Research Foundation'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 the Foundation's major federal program for the year ended June 30, 2022. The Foundation's major federal program is identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, the Foundation complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on its major federal program 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 Auditor's 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 the 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.

Auditor's 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 the 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 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 Auditor's 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.

Purpose of this Report

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.

PBMares, LLP

Norfolk, Virginia
September 29, 2022

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Findings and Questioned Costs
For the Year Ended June 30, 2022

SECTION I. SUMMARY OF AUDITOR'S RESULTS

Financial Statements

Type of report the auditor issued on whether the financial statements audited were prepared in accordance with GAAP: *Unmodified*

Internal control over financial reporting:

Material weakness(es) identified?	_____ Yes	___X___ No
Significant deficiency(ies) identified?	_____ Yes	___X___ None Reported
Noncompliance material to financial statements noted?	_____ Yes	___X___ No

Federal Awards

Internal control over major programs:

Material weakness(es) identified?	_____ Yes	___X___ No
Significant deficiency(ies) identified?	_____ Yes	___X___ None Reported

Type of auditor's report issued on compliance for major federal programs: *Unmodified*

Any audit findings disclosed that are required to be reported in accordance with section 2 CFR 200.516(a)? _____ Yes ___X___ No

Identification of major programs:

Name of Federal Program or Cluster

Research and Development Cluster

Dollar threshold used to distinguish between type A and type B programs: \$ ___ 1,239,002

Auditee qualified as low-risk auditee? ___X___ Yes _____ No

SECTION II. FINANCIAL STATEMENT FINDINGS

NONE

SECTION III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

NONE

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Summary Schedule of Prior Audit Findings
For the Year Ended June 30, 2022

NONE