



**OLD DOMINION UNIVERSITY RESEARCH
FOUNDATION**

FINANCIAL REPORT

JUNE 30, 2019 AND 2018



ASSURANCE, TAX & ADVISORY SERVICES

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INDEPENDENT AUDITOR'S REPORT

To the Board of Trustees
Old Dominion University Research Foundation
Norfolk, Virginia

Report on the Financial Statements

We have audited the accompanying financial statements of Old Dominion University Research Foundation (the "Foundation"), a nonprofit organization and component unit of Old Dominion University, which comprise the statements of financial position as of June 30, 2019 and 2018, and the related statements of activities, functional expenses, and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits 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. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Foundation's preparation and fair presentation of the financial statements 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, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Old Dominion University Research Foundation as of June 30, 2019 and 2018, 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.

Other Matters

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying supplemental information is presented for purposes of additional analysis and is not a required part of the financial statements. The accompanying 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*, is presented for purposes of additional analysis and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with 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 16, 2019, on our consideration of Old Dominion University Research Foundation's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on 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 Old Dominion University Research Foundation's internal control over financial reporting and compliance.

PBMares, LLP

Norfolk, Virginia
September 16, 2019

FINANCIAL STATEMENTS

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Financial Position

June 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	\$ 6,756,748	\$ 29,832,910
Less - deposits held for affiliate	<u>-</u>	<u>(20,567,296)</u>
Cash and cash equivalents, net	6,756,748	9,265,614
Accounts receivable:		
Grants and contracts, net	12,268,241	10,451,450
Other research related	219,002	306,318
Other	317,306	518,449
Travel advances	156,935	112,803
Prepaid expenses	443,698	541,096
Investments	<u>3,734,203</u>	<u>3,687,673</u>
Total current assets	<u>23,896,133</u>	<u>24,883,403</u>
PROPERTY AND EQUIPMENT		
Land	54,802	54,802
Buildings and improvements	1,037,290	1,037,290
Office furniture	349,628	408,580
Office equipment	193,484	210,469
Research equipment	18,022,397	20,014,537
Computer equipment	3,262,373	2,289,379
Equipment in process	<u>76,765</u>	<u>-</u>
	22,996,739	24,015,057
Less - accumulated depreciation	<u>(19,724,944)</u>	<u>(21,449,695)</u>
Total property and equipment	<u>3,271,795</u>	<u>2,565,362</u>
OTHER ASSETS - investments	<u>4,929,982</u>	<u>4,615,162</u>
Total assets	<u>\$ 32,097,910</u>	<u>\$ 32,063,927</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Financial Position

June 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
LIABILITIES AND NET ASSETS		
CURRENT LIABILITIES		
Accounts payable	\$ 4,204,013	\$ 4,193,514
Accrued expenses	2,010,271	1,983,992
Due to affiliate	1,730,074	3,097,543
Deferred revenue	<u>4,477,278</u>	<u>3,937,179</u>
Total current liabilities	<u>12,421,636</u>	<u>13,212,228</u>
NET ASSETS		
Without donor restrictions:		
Old Dominion University funds	16,225,067	16,271,192
Plant funds	3,271,795	2,565,362
Undesignated General and Designated Foundation Reserve	<u>179,412</u>	<u>15,145</u>
Total net assets	<u>19,676,274</u>	<u>18,851,699</u>
Total liabilities and net assets	<u>\$ 32,097,910</u>	<u>\$ 32,063,927</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Activities

For the Years Ended June 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
PUBLIC SUPPORT AND REVENUES		
Sponsored research	\$ 40,458,197	\$ 37,987,883
Indirect cost revenue	8,612,131	8,331,674
Other research related revenue	1,475,243	1,574,359
Value of contributed services	440,524	571,549
Interest and investment income	442,122	178,955
Memberships	14,000	11,250
Other	<u>153,645</u>	<u>169,616</u>
Total public support and revenues	<u>51,595,862</u>	<u>48,825,286</u>
EXPENSES		
Program services:		
Sponsored research	38,262,120	37,042,065
Other research related expenses	<u>7,134,389</u>	<u>6,840,822</u>
	45,396,509	43,882,887
Management and general	<u>5,374,778</u>	<u>5,347,741</u>
Total expenses	<u>50,771,287</u>	<u>49,230,628</u>
CHANGE IN NET ASSETS	824,575	(405,342)
NET ASSETS, BEGINNING OF YEAR	<u>18,851,699</u>	<u>19,257,041</u>
NET ASSETS, END OF YEAR	<u>\$ 19,676,274</u>	<u>\$ 18,851,699</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Functional Expenses
For the Years Ended June 30, 2019 and 2018

	2019			2018		
	Program Services	Management and General	Total	Program Services	Management and General	Total
Salaries and wages	\$20,959,912	\$ 2,194,715	\$ 23,154,627	\$21,195,576	\$ 2,097,987	\$ 23,293,563
Fringe benefits	5,678,009	1,018,962	6,696,971	5,588,938	948,651	6,537,589
Subcontracts	4,583,951	-	4,583,951	4,620,824	-	4,620,824
Participant support costs	4,205,639	-	4,205,639	3,153,577	-	3,153,577
Contractual services	2,354,358	343,490	2,697,848	1,938,244	514,138	2,452,382
Travel	2,367,311	26,956	2,394,267	2,368,673	27,347	2,396,020
Supplies	2,165,406	32,259	2,197,665	2,435,397	54,444	2,489,841
General expenses	2,000,212	10,498	2,010,710	1,858,511	14,844	1,873,355
Tuition	1,386,819	-	1,386,819	1,008,114	-	1,008,114
Depreciation	-	1,225,346	1,225,346	-	1,274,707	1,274,707
Rent	49,384	132,919	182,303	49,405	132,691	182,096
Insurance and bonds	-	116,883	116,883	-	121,431	121,431
Bad debts	-	105,334	105,334	-	5,834	5,834
Repairs and maintenance	-	99,599	99,599	-	73,793	73,793
Bank service charges	-	21,054	21,054	-	9,329	9,329
Utilities	-	12,904	12,904	-	13,893	13,893
Telephone	-	11,089	11,089	-	11,913	11,913
Meetings and entertainment	-	7,351	7,351	-	9,506	9,506
Postage	-	5,831	5,831	-	7,737	7,737
Memberships	-	4,560	4,560	-	4,224	4,224
Publications	-	3,983	3,983	-	6,083	6,083
Printing and copying	-	1,462	1,462	-	2,989	2,989
(Gain)/loss on sale of fixed assets	-	(417)	(417)	-	16,200	16,200
Transfers to projects	(354,492)	-	(354,492)	(334,372)	-	(334,372)
	<u>\$45,396,509</u>	<u>\$ 5,374,778</u>	<u>\$ 50,771,287</u>	<u>\$43,882,887</u>	<u>\$ 5,347,741</u>	<u>\$ 49,230,628</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Statements of Cash Flows

For the Years Ended June 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
CASH FLOWS FROM OPERATING ACTIVITIES		
Change in net assets	\$ 824,575	\$ (405,342)
Adjustments to reconcile change in net assets to net cash (used in) provided by operating activities:		
Depreciation	1,225,346	1,274,707
(Gain)/loss on sale of fixed assets	(417)	16,200
Unrealized (gain)/loss on investments	(123,063)	44,967
Bad debts	105,334	5,834
Changes in assets and liabilities:		
Grants and contracts receivable	(1,922,125)	19,695
Other research related receivables	87,316	(155,157)
Other receivables	201,143	164,313
Travel advances	(44,132)	15,190
Prepaid expenses	97,398	(67,734)
Accounts payable	10,499	533,317
Accrued expenses	26,279	(307,096)
Due to affiliate	(1,367,469)	(57,900)
Deferred revenue	540,099	52,067
Net cash (used in) provided by operating activities	<u>(339,217)</u>	<u>1,133,061</u>
CASH FLOWS FROM INVESTING ACTIVITIES		
Purchases of property and equipment	(1,932,162)	(583,410)
Purchases of investments	(238,462)	(177,269)
Proceeds from sale of property and equipment	975	36
Net cash used in investing activities	<u>(2,169,649)</u>	<u>(760,643)</u>
NET (DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS	(2,508,866)	372,418
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	<u>9,265,614</u>	<u>8,893,196</u>
CASH AND CASH EQUIVALENTS, END OF YEAR	<u>\$ 6,756,748</u>	<u>\$ 9,265,614</u>

See accompanying notes.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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, 2019 and 2018

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, 2019 and 2018

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.

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.

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.

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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

New Accounting Pronouncements

During 2018, the Foundation adopted Accounting Standards Update (ASU) 2016-14 *Presentation of Financial Statements of Not-for-Profit Entities (Topic 958)*. This guidance is intended to improve the net asset classification requirements and the information presented in the financial statements and notes about a not-for-profit entity's liquidity, financial performance, and cash flows. Main provisions of this guidance include: presentation of two classes of net assets versus the previously required three; recognition of capital gifts for construction as a net asset without donor restrictions when the associated long-lived asset is placed in service; and recognition of underwater endowment funds as a reduction in net assets with donor restrictions. The guidance also enhances disclosures for board designated amounts, composition of net assets with donor restrictions, liquidity, and expenses by both their natural and functional classification.

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, 2019. 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.

In May 2014, the FASB issued ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)*. This standard outlines a single comprehensive model for companies to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance, including industry-specific guidance. The core principle of the revenue model is that revenue is recognized when a customer obtains control of a good or service. A customer obtains control when it has the ability to direct the use of and obtain the benefits from the good or service. Transfer of control is not the same as transfer of risks and rewards, as it is considered in current guidance. The Foundation will also need to apply new guidance to determine whether revenue should be recognized over time or at a point in time. In August 2015, the FASB issued ASU 2015-14 which defers the effective date of ASU 2014-09 one year. ASU 2014-09, as deferred by ASU 2015-14, will be effective for annual reporting periods beginning after December 15, 2018, using either of two methods: (a) retrospective to each prior

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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

New Accounting Pronouncements (Continued)

reporting period presented with the option to elect certain practical expedients as defined within ASU 2014-09; or (b) retrospective with the cumulative effect of initially applying ASU 2014-09 recognized at the date of initial application and providing certain additional disclosures as defined in ASU 2014-09. The Foundation has not yet selected a transition method and is currently evaluating the impact of the pending adoption of ASU 2014-09 on the financial statements.

In June 2018, FASB issued ASU 2018-08, Not-for-Profit Entities (Topic 958): *Clarifying the Scope and Accounting Guidance for Contributions Received and Contributions Made*, which is intended to clarify and improve current guidance about whether a transfer of assets is an exchange transaction or a contribution. The amendments in this ASU provide a more robust framework to determine when a transaction should be accounted for as a contribution under Subtopic 958-605 or as an exchange transaction accounted for under other guidance (for example, Topic 606). The amendments also provide additional guidance about how to determine whether a contribution is conditional or unconditional. The amendments in this ASU could result in more grants and contracts being accounted for as contributions than under previous GAAP. This ASU should be applied on a modified prospective basis. Retrospective application is permitted. The ASU is effective for years beginning after December 31, 2018.

Reclassifications

Certain amounts in the June 30, 2018 financial statements have been reclassified to conform to the current financial statement presentation. These reclassifications had no effect on the change in net assets as previously reported.

NOTE 2. ACCOUNTS RECEIVABLE

Accounts receivable for grants and contracts consists of the following:

	<u>2019</u>	<u>2018</u>
Accounts receivable	\$ 12,469,241	\$ 10,578,450
Less reserve for uncollectible receivables	<u>(201,000)</u>	<u>(127,000)</u>
	<u>\$ 12,268,241</u>	<u>\$ 10,451,450</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

NOTE 3. LIQUIDITY AND AVAILABILITY

Financial assets available for general expenditure, that is, without donor restrictions limiting their use, within one year of the balance sheet date, comprise the following:

	<u>2019</u>	<u>2018</u>
Cash and cash equivalents	\$ 6,756,748	\$ 9,265,614
Less: deferred revenue	(4,477,278)	(3,937,179)
Accounts receivable	12,804,549	11,276,217
Operating investments	<u>8,664,185</u>	<u>8,302,835</u>
	<u>\$ 23,748,204</u>	<u>\$ 29,907,487</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.

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.

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.

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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

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, 2019 and 2018.

<u>Description</u>	<u>Fair Value at 06/30/19</u>	<u>Quoted Prices in Active Markets for Identical Assets Level 1</u>	<u>Significant Other Observable Inputs Level 2</u>	<u>Significant Unobservable Inputs Level 3</u>
Bond funds	\$ 4,036,738	\$ -	\$ 4,036,738	\$ -
Mutual funds	892,788	892,788	-	-
Common stock	<u>456</u>	<u>456</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 4,929,982</u>	<u>\$ 893,244</u>	<u>\$ 4,036,738</u>	<u>\$ -</u>

<u>Description</u>	<u>Fair Value at 06/30/18</u>	<u>Quoted Prices in Active Markets for Identical Assets Level 1</u>	<u>Significant Other Observable Inputs Level 2</u>	<u>Significant Unobservable Inputs Level 3</u>
Bond funds	\$ 3,773,128	\$ -	\$ 3,773,128	\$ -
Mutual funds	841,477	841,477	-	-
Common stock	<u>557</u>	<u>557</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 4,615,162</u>	<u>\$ 842,034</u>	<u>\$ 3,773,128</u>	<u>\$ -</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 – marketable funds pricing and valuation processes are built upon a base of independent third-party pricing. Independent third-party pricing sources are used to price all security position for which a readily determinable market price is available. Investments in third party investment funds are valued based on the most recent Net Asset Value by the fund.

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, 2019 and 2018 are certificates of deposit totaling \$3,734,203 and \$3,687,673, respectively.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

NOTE 5. RELATED PARTY TRANSACTIONS

	2019	2018
Old Dominion University:		
Payables	\$ 2,289,558	\$ 2,380,433
Receivables	\$ 3,162,177	\$ 2,319,743
Receipts	\$ 10,082,829	\$ 9,820,384
Disbursements	\$ 9,091,637	\$ 8,428,453

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.

The other related entity is the Virginia Commercial Space Flight Authority (VCSFA). The Foundation is the fiscal agent for VCSFA. The Due to VCSFA is the balance of cash held by the Foundation for VCSFA's current operational expenses. The balance in the Deposits held for VCSFA represent cash available to be invested in the near term. This entity operates as a separate organization; therefore, their transactions are excluded from these financial statements.

	2019	2018
VCSFA:		
Due to VCSFA	\$ 1,730,074	\$ 3,097,543
Deposits held for VCSFA	\$ 0	\$ 20,567,296
Administrative fees charged	\$ 80,482	\$ 82,598

NOTE 6. NET ASSETS

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

	2019	2018
Applied Marine Research Laboratory		
Operations Funds	\$ 294,464	\$ 258,784
Other Cost Centers Fund	38,635	277,633
Old Dominion University Indirect		
Cost Allocation Fund	10,396,639	10,044,854
Other Old Dominion University		
Designated Funds	5,495,329	5,689,921
	\$ 16,225,067	\$ 16,271,192

(Continued)

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

NOTE 6. NET ASSETS (Concluded)

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

	<u>2019</u>	<u>2018</u>
Undesignated General Funds	\$ (1,764,220)	\$ (1,367,097)
Designated Foundation Reserve Funds	<u>1,943,632</u>	<u>1,382,242</u>
	<u>\$ 179,412</u>	<u>\$ 15,145</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, 2019 and 2018 was \$1,022,267 and \$1,001,565, respectively.

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 April 1, 2007 and terminating as jointly agreed by both parties. The agreement was been extended through April 30, 2019 and currently operates on a month-to-month basis. The Foundation also leases office equipment under noncancellable operating lease agreements. The estimated future commitments for these leases as of June 30, 2019, are as follows:

2020	\$ 19,761
2021	20,493
2022	18,621
2023	<u>3,256</u>
	<u>\$ 62,131</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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, 2019 and 2018 were \$472,150 and \$603,380, 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 \$354,492 and \$334,372 for the years ended June 30, 2019 and 2018, respectively.

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 that are donated and not reimbursed by the Foundation. These contributed services are recorded at their estimated fair value and totaled \$440,524 and \$571,549 for the years ended June 30, 2019 and 2018, 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 \$737,955 and \$756,399 as of June 30, 2019 and 2018.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Notes to Financial Statements

June 30, 2019 and 2018

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, 2019 and 2018.

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.

NOTE 14. SUBSEQUENT EVENTS

The Foundation has evaluated all events and transactions for potential recognition or disclosure through September 16, 2019, 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.

SUPPLEMENTAL INFORMATION

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Operating Funds

Year Ended June 30, 2019 With Comparative Totals for the Year Ended June 30, 2018

	Designated ODU Funds						Total Unrestricted Funds Before Eliminations	Cost Reimbursable	Fixed Cost	Paid In Advance	Total Funds Before Eliminations	Total Operating Funds			
	Foundation General and Reserve Funds	AMRL Operations Funds	Other Cost Centers Fund	IDC Revenue Allocation Fund	Other Designated Funds	Investment In Plant						Eliminations	Eliminations	2019	2018
PUBLIC SUPPORT AND REVENUES															
Direct revenue	\$ -	\$ 4,123	\$ 145,451	\$ 857,509	\$ 468,160	\$ -	\$ 1,475,243	\$ 31,864,523	\$ 6,978,461	\$ 1,615,213	\$ 40,458,197	\$ -	\$ 41,933,440	\$ 39,562,242	
Indirect cost revenue	-	-	-	-	-	-	-	7,305,807	1,214,435	91,889	8,612,131	-	8,612,131	8,331,674	
Interfund revenue	-	62,222	294,727	(356,575)	711,401	-	711,775	212,503	-	9,000	221,503	(933,278)	-	-	
Administration fee	80,482	-	-	-	-	-	80,482	-	-	-	-	-	80,482	82,598	
Contributed services	-	-	-	-	440,524	-	440,524	-	-	-	-	-	440,524	571,549	
Interest and investment income	442,122	-	-	-	-	-	442,122	-	-	-	-	-	442,122	178,955	
Memberships	-	-	-	-	-	-	-	-	14,000	-	14,000	-	14,000	11,250	
Other	73,163	-	-	-	-	-	73,163	-	-	-	-	-	73,163	87,018	
Total public support and revenues	<u>595,767</u>	<u>66,345</u>	<u>440,178</u>	<u>500,934</u>	<u>1,620,085</u>	<u>-</u>	<u>3,223,309</u>	<u>39,382,833</u>	<u>8,206,896</u>	<u>1,716,102</u>	<u>49,305,831</u>	<u>(933,278)</u>	<u>51,595,862</u>	<u>48,825,286</u>	
EXPENSES															
Program expenses:															
Salaries and wages	-	-	73,144	1,765,721	846,590	-	2,685,455	14,305,051	3,669,871	299,535	18,274,457	-	20,959,912	21,195,576	
Fringe benefits	-	-	36,080	549,519	291,129	-	876,728	3,708,568	1,021,318	71,395	4,801,281	-	5,678,009	5,588,938	
Supplies	-	21,855	121,669	190,982	304,039	-	638,545	1,291,637	221,175	24,412	1,537,224	(10,363)	2,165,406	2,435,397	
Contractual services	-	7,331	362,522	384,872	63,446	-	818,171	1,112,948	288,380	134,859	1,536,187	-	2,354,358	1,938,244	
Property rental	-	-	-	8	-	-	8	49,376	-	-	49,376	-	49,384	49,405	
General expense	-	1,427	45,985	511,435	249,719	-	808,566	1,033,942	328,517	20,133	1,382,592	(190,946)	2,000,212	1,858,511	
Transfers to projects	-	-	-	-	-	-	-	-	-	-	-	(354,492)	(354,492)	(334,372)	
Travel	-	52	11,942	404,990	420,102	-	837,086	1,325,750	173,308	31,475	1,530,533	(308)	2,367,311	2,368,673	
Subcontracts	-	-	-	13,436	102,736	-	116,172	3,141,021	649,123	677,635	4,467,779	-	4,583,951	4,620,824	
Tuition	-	-	-	938	36,527	-	37,465	1,283,450	60,565	5,339	1,349,354	-	1,386,819	1,008,114	
Other expenses	-	-	(98)	664,773	6,452	-	671,127	2,914,774	994,802	2,105	3,911,681	(377,169)	4,205,639	3,153,577	
Total program expenses	-	<u>30,665</u>	<u>651,244</u>	<u>4,486,674</u>	<u>2,320,740</u>	<u>-</u>	<u>7,489,323</u>	<u>30,166,517</u>	<u>7,407,059</u>	<u>1,266,888</u>	<u>38,840,464</u>	<u>(933,278)</u>	<u>45,396,509</u>	<u>43,882,887</u>	
SUPPORTING EXPENSES	<u>3,901,856</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>3,901,856</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>3,901,856</u>	<u>3,867,221</u>	
Total expenses	<u>3,901,856</u>	<u>30,665</u>	<u>651,244</u>	<u>4,486,674</u>	<u>2,320,740</u>	<u>-</u>	<u>11,391,179</u>	<u>30,166,517</u>	<u>7,407,059</u>	<u>1,266,888</u>	<u>38,840,464</u>	<u>(933,278)</u>	<u>49,298,365</u>	<u>47,750,108</u>	
CHANGE IN NET ASSETS BEFORE NON-BUDGETED SUPPORTING EXPENSES	(3,306,089)	35,680	(211,066)	(3,985,740)	(700,655)	-	(8,167,870)	9,216,316	799,837	449,214	10,465,367	-	2,297,497	1,075,178	
NON-BUDGETED SUPPORTING EXPENSES	<u>1,472,922</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,472,922</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,472,922</u>	<u>1,480,520</u>	
CHANGE IN NET ASSETS	(4,779,011)	35,680	(211,066)	(3,985,740)	(700,655)	-	(9,640,792)	9,216,316	799,837	449,214	10,465,367	-	824,575	(405,342)	
NET ASSETS, BEGINNING OF YEAR	15,145	258,784	277,633	10,044,854	5,689,921	2,565,362	18,851,699	-	-	-	-	-	18,851,699	19,257,041	
TRANSFERS															
Invested in plant, net	383	-	(27,932)	(51,362)	(7,470)	1,931,779	1,845,398	(1,812,691)	(32,707)	-	(1,845,398)	-	-	-	
Depreciation expense	1,225,346	-	-	-	-	(1,225,346)	-	-	-	-	-	-	-	-	
Indirect cost transfers	3,984,357	-	-	4,388,887	513,533	-	8,886,777	(7,549,717)	(1,244,989)	(92,071)	(8,886,777)	-	-	-	
Funds designated from restricted fund	(266,808)	-	-	-	-	-	(266,808)	146,092	477,859	(357,143)	266,808	-	-	-	
NET ASSETS, END OF YEAR	<u>\$ 179,412</u>	<u>\$ 294,464</u>	<u>\$ 38,635</u>	<u>\$ 10,396,639</u>	<u>\$ 5,495,329</u>	<u>\$ 3,271,795</u>	<u>\$ 19,676,274</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 19,676,274</u>	<u>\$ 18,851,699</u>	

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedules of Supporting Expenses

For the Years Ended June 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
Personnel services	\$ 2,194,715	\$ 2,097,987
Fringe benefits	1,018,962	948,651
Professional services	254,550	389,968
Rental	132,919	132,691
Insurance and bonds	116,883	121,431
Maintenance services	59,702	29,012
Supplies	32,259	54,444
Travel	26,956	26,754
Bank service charges	21,054	9,329
Telephone	10,557	11,375
Miscellaneous	10,420	15,057
Meetings and entertainment	7,043	9,505
Postage	5,831	7,721
Professional memberships	4,560	4,224
Publications and subscriptions	3,983	6,083
Printing and copying	<u>1,462</u>	<u>2,989</u>
 Total supporting expenses	 <u>\$ 3,901,856</u>	 <u>\$ 3,867,221</u>

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
<u>Research and Development Cluster</u>						
<u>Corporation for National and Community Service</u>						
Pass-Through Programs from:						
94.006	Western Washington University	AmeriCorps	190221	\$ 24,383		*
		Subtotal Pass-Through Programs		\$ 24,383		
		Total Corporation for National and Community Service		\$ 24,383		
<u>U.S. Department of Homeland Security</u>						
Pass-Through Programs from:						
97.061	University Of Illinois (All Campuses)	Centers for Homeland Security	077083-15891	\$ 34,531		*
97.061	University Of Illinois (All Campuses)	Centers for Homeland Security	077083-17277	39,414		*
97.061	University Of North Carolina	Centers for Homeland Security	5101653	17,084		*
97.067	Virginia Department Of Emergency Management	Homeland Security Grant Program	7359	(4,415)		*
(1)	Applied Research Associates, Inc.	System of Systems Operational Analysis	S-003146-14-TO-01-VMASC M	14,166		*
(1)	Applied Research Associates, Inc.	FPS Risk Analysis Peer Review	S-003146-14-TO-02-VMASC	2		*
(1)	Applied Research Associates, Inc.	CBP Preclearance	S-003146-14-TO-03-VMASC	5,284		*
		Subtotal Pass-Through Programs		\$ 106,066		
		Total U.S. Department of Homeland Security		\$ 106,066		
<u>U.S. Department of Commerce</u>						
Direct Programs:						
11.433	National Oceanic And Atmospheric Administration	Marine Fisheries Initiative	NA16NMF4330160	\$ 54,274		*
11.433	National Oceanic And Atmospheric Administration	Marine Fisheries Initiative	NA18NMF4330243	23,750		*
11.478	National Oceanic And Atmospheric Administration	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA18NOS4780176	85,672		*
11.478	National Oceanic And Atmospheric Administration	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA18NOS4780176	17,927		*
		Subtotal Direct Programs		\$ 181,623		
Pass-Through Programs from:						
11.008	Elizabeth River Project (Living River Restoration Trust)	NOAA Mission-Related Education Awards	#1	\$ 12,654		*
11.012	State University of New Jersey (All Campuses)	Integrated Ocean Observing System (IOOS)	6168	183,321	\$ 8,412	*
11.303	VA Polytechnic Institute And State University	Economic Development Technical Assistance	545239-19076	26,092		*
11.417	Michigan Tech University	Sea Grant Support	1703012Z1	6,031		*
11.417	University of Florida	Sea Grant Support	UFDSP00011218	(1)		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	718542-712684	2,512		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	71856J-712684	6,990		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	71856U-712684	38,296		*
11.417	Virginia Institute of Marine Science	Sea Grant Support	721545-712684	48,748		*
11.419	University of Virginia	Coastal Zone Management Administration Awards	GS11502.158083	7,120		*
11.431	East Carolina State University	Climate and Atmospheric Research	A15-0252-S001	2,175		*
11.472	North Pacific Research Board	Unallied Science Program	1501	1,580		*
11.473	City of Virginia Beach	Office for Coastal Management	PWCN-17-0114	12,876		*
11.473	City of Virginia Beach	Office for Coastal Management	PWCN-18-0025	8,195		*

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
11.478	Virginia Institute of Marine Science	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	720364-712683	84,430		*
11.478	Virginia Institute of Marine Science	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	721733-712685	40,735		*
11.482	National Fish and Wildlife Foundation	Coral Reef Conservation Program	0302.18.060888	16,599		*
11.549	Virginia Department of Emergency Management	State and Local Implementation Grant Program	17-839	(1)		*
11.611	Genedge Alliance - (Formerly Philpott Manufacturing Center)	Manufacturing Extension Partnership	70NANB15H030	52,296		*
Subtotal Pass-Through Programs				\$ 550,648		
Total U.S. Department of Commerce				\$ 732,271		
<u>U.S. Department of Defense</u>						
Direct Programs:						
12.300	Air Force Material Command	Basic and Applied Scientific Research	FA8750-16-1-0301	\$ 141,406	77,953	*
12.300	Office of Naval Research	Basic and Applied Scientific Research	HQ00341810010	69,927		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-15-1-2487	8,153		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-16-1-2819	501,372		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2668	113,244		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2682	384,484		*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N00014-18-1-2804	232,365	192,421	*
12.300	Office of Naval Research	Basic and Applied Scientific Research	N0014-15-1-2436	146,730		*
12.431	Army Contracting Command	Basic Scientific Research	W909MY-17-1-0002	101,330	63,394	*
12.431	Army Research Office	Basic Scientific Research	W911NF-17-1-0443	150,895		*
12.800	Air Force Office of Scientific Research (AFOSR)	Air Force Defense Research Sciences Program	FA9550-14-1-0123	34,195		*
12.800	Air Force Office of Scientific Research (AFOSR)	Air Force Defense Research Sciences Program	FA9550-15-1-0080	(6,978)		*
12.800	Air Force Office of Scientific Research (AFOSR)	Air Force Defense Research Sciences Program	FA9550-17-1-0196	48,201		*
12.800	Air Force Research Laboratory	Air Force Defense Research Sciences Program	FA9453-15-1-0307	(7,169)		*
12.800	Air Force Research Laboratory	Air Force Defense Research Sciences Program	FA9550-17-1-0257	142,721		*
12.903	National Security Agency	GenCyber Grants Program	H98230-18-1-0088	53,274		*
12.903	National Security Agency	GenCyber Grants Program	H98230-19-1-0122	14,091		*
12.905	National Security Agency	CyberSecurity Core Curriculum	H98230-17-1-0228	1,714		*
12.905	National Security Agency	GenCyber Grants Program	H98230-17-1-0410	44,910		*
12.910	Air Force Material Command	Research and Technology Development	FA8750-18-1-0075	202,855	86,150	*
(1)	Strategic Environmental Research & Development Program (SERDP)	Next-Gen Rainfall IDF Curves for the Virginian Drainage Area of Chesapeake Bay	W912HQ18C0061	146,561		*
(1)	Naval Air Warfare Center TSD	DOD Modeling and Simulation Technology Readiness	N6134019C0011	14,081		*
(1)	Naval Medical Center Portsmouth	Preference in Information Processing Approach to Suicide Risk in U.S. Naval Vets	N0018317P0703	(1,736)		*
(1)	Naval Sea Systems Command	Risk Factor Assessment for NNS	GS-10F-097CA	302,838		*
(1)	Naval Spec Warfare Development Group	NSWC Modeling and Simulation Programs	H92244-18-P-0163	(1)		*
(1)	NAVSUP Fleet Logistics Center Norfolk	CCO Beyond Convergence Phase 5 Western Hemisphere	N00189-16-P-Z854	725,030	718,476	*
(1)	NAVSUP Fleet Logistics Center Norfolk	Impunity and Convergence Courseware	N00189-17-P-Z-0008	(116)	(116)	*
(1)	Norfolk Naval Shipyard	Lean Six Sigma Training Space	N42158-16-P-N035	23,274		*
(1)	Office of Naval Research	Secure Distributed Digital Manufacturing	N00014-18-P-2019	142,978		*
(1)	Office of Naval Research	Exploration of Additive Manuf Naval App Exped Warfare	N00174-16-C-0031	126,947		*
Subtotal Direct Programs				\$ 3,857,576		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
Pass-Through Programs from:						
12.002	Crater Planning District Commission	Procurement Technical Assistance for Business	18-419	\$ 147,857		*
12.002	Crater Planning District Commission	Procurement Technical Assistance for Business	SP4800-17-2-1740	10,620		*
12.002	Ocean Bay, LLC	Procurement Technical Assistance for Business	ODU-191020-2017	71,939		*
12.300	Rochester Institute of Technology	Basic and Applied Scientific Research	32109-01	18,967		*
12.300	Tidewater Community College	Basic and Applied Scientific Research	15-727	53,702		*
12.300	University of Toledo	Basic and Applied Scientific Research	2016-6	46		*
12.556	Chesapeake Public Schools	Competitive Grants: Promoting K-12 Student Achievement at Military-Connect Schools	CPS 15-816	11,419		*
12.556	York County Schools	Competitive Grants: Promoting K-12 Student Achievement at Military-Connect Schools	ODU-190226	17,636		*
12.557	Virginia Beach City Public Schools	Invitational Grants for Military-Connected Schools	15-818	6,915		*
12.611	Governor's Office	Community Economic Adjustment Assistance for Reductions in Defense Industry Employment	RA0690-16-04	207,000		*
12.617	Governor's Office	Economic Adjustment Assistance for State Governments	18-593	101,404		*
12.630	Commonwealth Center for Advanced Manufacturing	Basic, Applies, and Advanced Research in Science and Engineering	E-022	63,267		*
12.630	Norfolk State University	Basic, Applies, and Advanced Research in Science and Engineering	F1040077-01	144,580		*
12.630	Norfolk State University	Basic, Applies, and Advanced Research in Science and Engineering	FA1040077	173,291		*
12.800	Iowa State University	Air Force Defense Research Sciences Program	421-21-03A	35,343		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517	594,185	266,914	*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-10517/011	114,922		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517/012	177,973		*
12.800	Old Dominion University	Air Force Defense Research Sciences Program	FA9550-15-1-0517/013	119,962		*
12.910	Applied Research LLC	Research and Technology Development	112-1	43,105		*
(1)	Battelle Corporation	Mitigation Optimization & Net Assessment Decision Support System	US001-0000574374	6,268		*
(1)	Iowa State University	Enabling Exascale Calculations for Electronic Structure Theory	130186.1	19,920		*
(1)	Microxact, Inc.	Microxact Next Generation Device	MICROXACT AFOSR	(19,045)		*
(1)	South Dakota School of Mines and Technology	Smart ECU Controller & High-Efficient Power Distribution in Smart Shelter	SDSMT-ODU 16-19	(1,078)		*
(1)	A-Zone Environmental Services LLC	Lab Testing Atlantic Wood Industries Superfund Site Cap Material	7022.4_01	3,647		*
(1)	Contracting Resources Group	Support Arm Enterprise Workbook Ph II	17-526	137		*
(1)	Contracting Resources Group	CRG Support Army G-1	18-476	18,105		*
(1)	Intelligent Automation, Inc.	IAI Ph II Tpm Voice Tele-PTSD Monitor	2179-2	2,020		*
(1)	MTEQ Manufacturing Services	Collaborative Senior Design Project/Idispla	29411	2,421		*
(1)	University Of Virginia	VMEC Night Vision NCE	GG13316-153198	(114)		*
(1)	Non-Disclosed Sponsor	NDS Manned Unmanned Teaming For Abrams Lethality Enabler	SCR1146008	12,934		*
(1)	Frontier Technology Inc.	FTI Phase I STTR	ODU-19-208825-287	25,799		*
(1)	MTEQ Manufacturing Services	Capstone Idispla Army Cerdec Night Vision And Electronic Sensors Directorate	36318	17,600		*
(1)	VR Rehab, Inc.	Augmented Reality User Interfaces for Tactical Drones	ARDRONES-17-ODURF-1	29,168		*
(1)	Alex – Alternative Experts, LLC	Non-Lethal Fires Course Development	ODURF-5084	85,309		*

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(1)	Camber Corporation	NIPO Ipoet	3011	137,037		*
(1)	Camber Corporation	Ipoet	0000010309	1		*
(1)	Camber Corporation	Coalition Interoperability Readiness Products	0000010846	45,000		*
(1)	Camber Corporation	Ipoet	0000011192	129,420		*
(1)	D'Angelo Technologies LLC	Advanced Ship-Handling Simulators	2018-11	35,271		*
(1)	Engility	Design AMD Impl Scalble Opt Kernels for Lrg Sc	PO-0008601-ACE-KY09-003	93,518		*
(1)	Prevailance, Inc.	Repurposing Computational Analyses of Tactics	DO-VMASC-20180410-00	33,878		*
(1)	VR Rehab, Inc.	Rugged Touchscreen Button with Positive Indication Feedback	NAVY-Haptic-ODURF-Opt	7,951		*
(1)	VR Rehab, Inc.	Synthetic Vision Systems for Ground Forces	NAVY-SV4GF-ODURF-Opt	7,951		*
(1)	WR Systems, Ltd.	Develop Spectrum Monitoring System for Std and Non-Std Based Wireless Protocols	7995-0002-03-03	44,070		*
(1)	WR Systems, Ltd.	Engineering Design Support for the Tactical Remote Sensor System	7995-0002-03-04	11,015		*
(1)	WR Systems, Ltd.	Engineering Design Support for the Tactical Remote Sensor System	7995-002-03-01	14,825		*
(1)	WR Systems, Ltd.	Engineering Design Support for the Tactical Remote Sensor System	7995-002-03-02	59,296		*
(1)	WR Systems, Ltd.	Nav Suite Cert M&S Tech Support	OD-0045-8001	123,339		*
		Subtotal Pass-Through Programs		\$ 3,059,796		
		Total U.S. Department of Defense		\$ 6,917,372		
<u>U.S. Department of Energy</u>						
Direct Programs:						
81.049	Brookhaven National Laboratory	Office of Science Financial Assistance Program	332888	\$ 15,814		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-FG02-96ER40960	950,760		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-FG0297ER41028	123,281		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DESC0010081 MOD3	245,173	87,859	*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0014397	78,581		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019125	21,945		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019149	40,540		*
81.049	U.S. Department of Energy	Office of Science Financial Assistance Program	DE-SC0019399	8,336		*
(1)	Ames Research Labs	Enabling Games for Exascale Computing	SC-18-462	180,635		*
(1)	Ames Research Labs	Development of Exascale Software for Interfacial Catalysis	SC-19-496	19,238		*
(1)	Brookhaven National Laboratory	EIC Background Studies and the Impact on the IR and Detector Design	341538	21,815		*
(1)	Fermi National Accelerator Laboratory	Fermilab Crabbing System	FERMILAB 595657	216,486		*
(1)	Fermi National Accelerator Laboratory	HL- LHC Accelerator Upgrade FY18	PO 642567	157,216	21,996	*
(1)	Los Alamos National Laboratories	Circum-Antarctic Ocean/Sea Ice/Ice Shelf Model Configuration and Testing	432672	32,614		*
(1)	Oak Ridge National Laboratory	Characterization of Natural Organic Matter by Advanced Analytical Techniques	4000158068	30,521		*
(1)	Sandia National Laboratories	Sandia Flash Hydrolysis of Algae Biomass	1639572	23,592		*
		Subtotal Direct Programs		\$ 2,166,547		
Pass-Through Programs from:						
81.049	Bem Controls, LLC	Office of Science Financial Assistance Program	190208	\$ 53,882		*
81.049	Old Dominion University	Office of Science Financial Assistance Program	DE-SC0018106	147,031		*
81.049	Old Dominion University	Office of Science Financial Assistance Program	DE-SC0019229	8,596		*

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81.049	Transient Plasma Systems, Inc.	Office of Science Financial Assistance Program	17-460	11,614		*
81.087	Colorado School of Mines	Renewable Energy Research and Development	401230-5802	160,193		*
81.087	Colorado School of Mines	Renewable Energy Research and Development	401234-5801	54,272		*
81.087	South Dakota School of Mines and Technology	Renewable Energy Research and Development	SDSMT-ODU 19-06 R1	17,029		*
81.113	Old Dominion University	Defense Nuclear Nonproliferation Research	DE-NA0002483	(86)		*
81.122	University of Illinois (All Campuses)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	078260-15890	158,026		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JSA Faculty Salaries	17-C1093	687,516		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	Huang Support	17-C1093	61,854		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JSA Physics GRA Support FY18	17-C1150	247,254		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	N Sayeed Support	17-C1150	29,927		*
(1)	Jefferson Science Associates, LLC (Jefferson Lab)	JSA Fellow Khachatryan	18-836	11,000		*
		Subtotal Pass-Through Programs		<u>\$ 1,648,108</u>		
		Total U.S. Department of Energy		<u>\$ 3,814,655</u>		
	<u>U.S. Department of the Interior</u>					
	Direct Programs:					
15.655	U.S. Fish and Wildlife Services	Migratory Bird Monitoring, Assessment and Conservation	F17AC00938	\$ 26,306		*
15.676	U.S. Fish and Wildlife Services	Youth Engagement, Education, and Employment (YEEEP)	F15AC01153	40,025		*
15.808	U.S. Geological Survey	U.S. Geological Survey_ Research and Data Collection	G16AC00419	6,535		*
		Subtotal Direct Programs		<u>\$ 72,866</u>		
	Pass-Through Programs from:					
15.153	Old Dominion University	Hurricane Sandy Disaster Relief – Coastal Resiliency Grants	14-463	\$ 19,218		*
15.634	Florida Fish & Wildlife Conservation	State Wildlife Grants	17001	57,474		*
		Subtotal Pass-Through Programs		<u>\$ 76,692</u>		
		Total U.S. Department of the Interior		<u>\$ 149,558</u>		
	<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	2016-IJ-CX-0020	\$ 164,119		*
16.560	National Institute of Justice	National Institute of Justice Research, Evaluation, and Development Project Grants	2018-75-CX-0002	21,686		*
		Subtotal Direct Programs		<u>\$ 185,805</u>		
	Pass-Through Programs from:					
16.738	City of Suffolk	Edward Byrne Memorial Justice Assistance Grant Program	18-C3197AD11	\$ 4,197		*
16.738	Virginia Department of Criminal Justice	Edward Byrne Memorial Justice Assistance Grant Program	18-A4427AD12	3,501		*

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		Subtotal Pass-Through Programs		\$ 7,698		
		Total U.S. Department of Justice		\$ 193,503		
	<u>U.S. Department of Transportation</u>					
	Pass-Through Programs from:					
20.701	University of Maryland	University Transportation Centers Program	Z9600002-A	\$ 3,813		*
20.701	University of Virginia	University Transportation Centers Program	CG11746 146796	226,876		*
20.701	University of Virginia	University Transportation Centers Program	GG11746-146796-01	4,351		*
(1)	George Mason University	Corridor Based Tolling Strategies	E2047272	8,076		*
(1)	The National Academies	NAS ACRP Grad Research Award Mod#2	A11-04	457,152		*
		Subtotal Pass-Through Programs		\$ 700,268		
		Total U.S. Department of Transportation		\$ 700,268		
	<u>U.S. Department of Veterans Affairs</u>					
	Direct Programs:					
(1)	Alabama Veterans Affairs Medical Center	Serving All Who Served: Improving Access to Healthcare for LGBT Veterans	679-C80644	\$ 12,373		*
		Subtotal Direct Programs		\$ 12,373		
		Total U.S. Department of Veterans Affairs		\$ 12,373		
	<u>U.S. Department of Education</u>					
	Direct Programs:					
84.324A	U.S. Department of Education	Special Education Research Grants	R324A160277	\$ 420,556	56,835	*
84.325K	U.S. Department of Education	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	H325K150208	236,098		*
		Subtotal Direct Programs		\$ 656,654		
	Pass-Through Programs from:					
84.287	Gar-Field High School	Twenty-First Century Community Learning Centers	18-634	\$ 11,844		*
84.184A	Old Dominion University	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)	876-61400-S184F140020-16	141		*
84.184F	Old Dominion University	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)	876-61400-S184F140020	(324)		*
84.184F	Old Dominion University	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)	876-61400-S184F140020-17	77,488		*
84.305A	Temple University	Education Research, Development and	300161-ODU	7,682		*
84.323A	Old Dominion University	Special Education - State Personnel Development	2016-876-61270-H323A120026	186,078		*
84.323A	Old Dominion University	Special Education - State Personnel Development	2017-876-60300-H323A170018	351,635		*
84.326S	University of Oregon	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	282070A	268,443		*
84.365Z	Old Dominion University	OELA - National Professional Development (NPD) program	T365Z160151	381,852		*
84.367D	National Writing Project Corporation	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-VA07-SEED2017-CRWPAI	117		*

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84.367D	National Writing Project Corporation	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-VA07-SEED2017-ILI	13,871		*
84.424A	Old Dominion University	Student Support and Academic Enrichment Program	S424A170048	62,549		*
		Subtotal Pass-Through Programs		\$ 1,361,376		
		Total U.S. Department of Education		\$ 2,018,030		
<u>Environmental Protection Agency</u>						
Direct Programs:						
66.516	U.S. Environmental Protection Agency	P3 Award: National Student Design Competition for Sustainability	83926601	\$ 6,783		*
		Subtotal Direct Programs		\$ 6,783		
Pass-Through Programs from:						
66.436	Florida Fish & Wildlife Conservation Commission	Surveys, Studies, Investigations, Demonstrations, and Training Grants-Section 1442 of the Safe Drinking Water Act	15239	\$ 12,169		*
66.466	Old Dominion University	Chesapeake Bay Program	16514	170,386		*
		Subtotal Pass-Through Programs		\$ 182,555		
		Total Environmental Protection Agency		\$ 189,338		
<u>U.S. Department of Health and Human Services</u>						
Direct Programs:						
93.113	U.S. Public Health Service (Including NIH)	Environmental Health	1 R21 ES029309-02	\$ 201,222		*
93.113	U.S. Public Health Service (Including NIH)	Environmental Health	1r21es030528-01	174,130		*
93.124	U.S. Department of Health and Human Services	Nurse Anesthetist Traineeships	A22HP30949-02-00	30,717		*
93.173	U.S. Public Health Service (Including NIH)	Research Related to Deafness and Communication Disorders	U01DC014756	95,573		*
93.173	U.S. Public Health Service (Including NIH)	Research Related to Deafness and Communication Disorders	U01DC01475602S1	(234)		*
93.247	U.S. Department of Health and Human Services	Advanced Nursing Education Grant Program	4 D09HP28668-03-01	134,518	59,584	*
93.247	U.S. Department of Health and Human Services	Advanced Nursing Education Grant Program	T94HP30910-02-01	49,547		*
93.247	U.S. Public Health Service (Including NIH)	Advanced Nursing Education Grant Program	1 T94HP30910-01-00	19,891		*
93.247	U.S. Public Health Service (Including NIH)	Advanced Nursing Education Grant Program	5 T94HP30910-02-00	397,746	28,151	*
93.273	U.S. Public Health Service (Including NIH)	Alcohol Research Programs	1K01AA023849-01A1	149,978		*
93.273	U.S. Public Health Service (Including NIH)	Alcohol Research Programs	2R15AA020424-02	132,133		*
93.273	U.S. Public Health Service (Including NIH)	Alcohol Research Programs	5 R01 AA023197-04	202,830	114,323	*
93.279	U.S. Public Health Service (Including NIH)	Drug Abuse and Addiction Research Programs	5R01DA039904-04	463,216	253,418	*
93.283	Centers for Disease Control and Prevention (DHHS)	Centers for Disease Control and Prevention Investigations and Technical Assistance	200-2018-M-00751	89,138		*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB023878-01A1	157,517		*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	3R01EB020683-03S1	44,399		*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	5 R01 EB018956-04	234,636		*
93.286	U.S. Public Health Service (Including NIH)	Discovery and Applied Research for Technological Innovations to Improve Human Health	5R01EB020683-03	390,294	72,154	*
93.307	U.S. Public Health Service (Including NIH)	Minority Health and Health Disparities Research	1R01MD012598-01A1	52,588		*
93.393	U.S. Public Health Service (Including NIH)	Cancer Cause and Prevention Research	1R21CA229939-01	89,829		*
93.395	U.S. Public Health Service (Including NIH)	Cancer Treatment Research	5R01CA186730-05	316,471		*

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93.395	U.S. Public Health Service (Including NIH)	Cancer Treatment Research	7R01CA15155	(343)		*
93.395	U.S. Public Health Service (Including NIH)	Cancer Treatment Research	R01CA196796-04	203,667	66,632	*
93.396	U.S. Public Health Service (Including NIH)	Cancer Biology Research	R21CA177395-04	134,809	71,578	*
93.732	U.S. Department of Health and Human Services	Mental and Behavioral Health Education and Training Grants	1M01HP31324-01-00	150,879		*
93.732	U.S. Department of Health and Human Services	Mental and Behavioral Health Education and Training Grants	5M01HP31324-02-00	333,480		*
93.837	U.S. Public Health Service (Including NIH)	Cardiovascular Diseases Research	5R01HL128381-03	113,300		*
93.837	U.S. Public Health Service (Including NIH)	Cardiovascular Diseases Research	5R21HL127580-02	79,462		*
93.855	U.S. Department of Health and Human Services	Allergy, Immunology, and Transplantation Research	R01AI136035	414,878	214,682	*
93.855	U.S. Public Health Service (Including NIH)	Allergy, Immunology, and Transplantation Research	1K22AI118929-01	62,626		*
93.855	U.S. Public Health Service (Including NIH)	Allergy, Immunology, and Transplantation Research	RO1AI130116	326,368		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM116082-01	99,775		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM119063-01A1	100,825		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	1R15GM119116-01	60,074		*
93.859	U.S. Public Health Service (Including NIH)	Child Health and Human Development Extramural Research	1R15GM131330-01	44,893		*
93.859	U.S. Public Health Service (Including NIH)	Child Health and Human Development Extramural Research	1T34GM118259-01A1	156,533		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	2R01GM06296810	115,950		*
93.859	U.S. Public Health Service (Including NIH)	Biomedical Research and Research Training	3R15GM119116-01S1	17,569		*
93.859	U.S. Public Health Service (Including NIH)	Child Health and Human Development Extramural Research	5T34GM118259-02	22,431		*
93.865	U.S. Department of Health and Human Services	Child Health and Human Development Extramural Research	5R13HD080721-03	322		*
93.865	U.S. Public Health Service (Including NIH)	Child Health and Human Development Extramural Research	5 R03 HD090387-02	43,779	3,750	*
(1)	Centers for Disease Control and Prevention (DHHS)	NIOSH Violence Prevention Mod8	CDC 212-2012-M-51289	13,786		*
		Subtotal Direct Programs		\$ 5,921,202		
	Pass-Through Programs from:					
93.226	University of Colorado	Research on Healthcare Costs, Quality and Outcomes	FY19.291.001	\$ 6,929		*
93.247	Western Carolina University	Advanced Nursing Education Grant Program	A18-0005-S005	24,228		*
93.307	University of North Texas Health Science Center	Minority Health and Health Disparities Research	RI10078-2018-0108	336		*
93.393	The Wistar Institute	Cancer Cause and Prevention Research	24512-03-319	8,926		*
93.859	College of William and Mary	Biomedical Research and Research Training	741851-712687	6,347		*
93.859	College of William and Mary	Child Health and Human Development Extramural Research	743311-712687	2,669		*
93.859	Michigan State University	Biomedical Research and Research Training	RC106661OD	119,238		*
93.884	Eastern Virginia Medical School	Grants for Primary Care Training and Enhancement	S151311	54,112		*
93.884	Eastern Virginia Medical School	Grants for Primary Care Training and Enhancement	S151311 #2	15,562		*
(1)	Centers for Disease Control and Prevention (DHHS)	Three Occupational Units for Workplace Violence Focus Groups	75D30118P03123	11,181		*
		Subtotal Pass-Through Programs		\$ 249,528		
		Total U.S. Department of Health and Human Services		\$ 6,170,730		

Institute of Museum and Library Sciences

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Direct Programs:						
45.312	Institute of Museum and Library Services	National Leadership Grants	LG-71-15-0077-15	\$ 78,293	30,000	*
		Subtotal Direct Programs		\$ 78,293		
Pass-Through Programs from:						
45.313	University of Maryland	Laura Bush 21st Century Librarian Program	40279-Z9281101	\$ 19,449		*
45.313	VA Polytechnic Institute and State University	Laura Bush 21st Century Librarian Program	545262-19076	9,426		*
		Subtotal Pass-Through Programs		\$ 28,875		
		Total Institute of Museum and Library Sciences		\$ 107,168		
<u>Library of Congress</u>						
Pass-Through Programs from:						
(1)	Waynesburg University	The Local and the Global: School Desegregation in the Context of US History	18-072	\$ 3,674	404	*
		Subtotal Pass-Through Programs		\$ 3,674		
		Total Library of Congress		\$ 3,674		
<u>National Aeronautics and Space Administration</u>						
Direct Programs:						
43.001	Langley Research Center	Science	NNX15AW39G S06	\$ 23,850		*
43.001	NASA Goddard Spaceflight Center	Science	NNX13AK95G	(2,895)		*
43.001	NASA Goddard Spaceflight Center	Science	NNX16AB51G	110,644		*
43.001	NASA Goddard Spaceflight Center	Science	NNX16AG44G	298,266		*
43.001	NASA Goddard Spaceflight Center	Science	NNX16AH56G	53,219		*
43.001	NASA Goddard Spaceflight Center	Science	NNX17AH01G	169,012		*
43.001	NASA Goddard Spaceflight Center	Science	NNX17AH35G	26,032		*
43.001	NASA/Headquarters	Science	80NSSC17K0241	387		*
43.001	NASA/Headquarters	Science	80NSSC17K0564	160,308	65,952	*
43.001	NASA/Headquarters	Science	80NSSC18K0240	135,680		*
43.001	NASA/Headquarters	Science	NNX15AG45G	17,427		*
43.002	Langley Research Center	Aeronautics	NNX15AU39A	107,583	11,309	*
43.003	Langley Research Center	Exploration	80NSSC18M0050	238,642		*
43.007	Langley Research Center	Space Operations	NNX14AI77A	168,435		*
43.008	Ames Research Labs	Education	NNX16AT14H	25,533		*
43.008	NASA Goddard Spaceflight Center	Education	190621	3,300		*
43.008	NASA Goddard Spaceflight Center	Education	18-391	6,176		*
43.008	NASA Goddard Spaceflight Center	Education	18-418	4,208		*
43.008	NASA Goddard Spaceflight Center	Education	18-482	3,543		*
43.008	NASA Goddard Spaceflight Center	Education	18-545	5,346		*
43.008	NASA Goddard Spaceflight Center	Education	18-632	10,000		*
43.008	NASA Goddard Spaceflight Center	Education	NNX15AI20H	691,689	25,770	*
43.008	NASA Goddard Spaceflight Center	Education	NNX16AI80A	50,652	44,371	*
43.008	NASA/Headquarters	Education	NNX16AB41G	8,225		*
43.009	Langley Research Center	Cross Agency Support	NNX15AI50G	93,986		*
(1)	Ames Research Labs	Ames Lab MPO	SC-15-425	(1,167)		*
		Subtotal Direct Programs		\$ 2,408,081		
Pass-Through Programs from:						
43.001	Midland Geospatial Support Services Joint Venture	Science	17-595	\$ 14,916		*

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43.001	Pennsylvania State University	Science	5023-ODURF-NASA-F93G	14,914		*
43.008	Hampton University	Education	HU-160020	60,561		*
43.008	National Institute of Aerospace Associates (NIA)	Education	201001-ODURF	62,842		*
43.008	National Institute of Aerospace Associates (NIA)	Education	201017-ODURF	69,920		*
43.008	National Institute of Aerospace Associates (NIA)	Education	2B00-ODURF	4,390		*
43.008	National Institute of Aerospace Associates (NIA)	Education	2B51	1,748		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401006_ODURF	38,555		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401009-ODURF	16,754		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401010-ODURF	6,222		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401010-ODURF-38	(6,222)		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401014-ODURF	43,648		*
43.008	National Institute of Aerospace Associates (NIA)	Education	401015-ODURF	6,959		*
(1)	National Institute of Aerospace Associates (NIA)	Aerodynamic & Aeroacoustic Prediction	190291	2,565		*
(1)	National Institute of Aerospace Associates (NIA)	Wind Tunnel Balance Design Trade Study	601013-OD	26,759		*
(1)	National Institute of Aerospace Associates (NIA)	Mars Sample Return Earth Entry Vehicle Design	6569-OD	729		*
(1)	National Institute of Aerospace Associates (NIA)	TD-FAST (Time Domain Fast Acoustic Scattering Toolkit) App and Enhancement	T13-6500-ODU-601051	38,152		*
(1)	National Institute of Aerospace Associates (NIA)	TD-FAST (Time Domain Fast Acoustic Scattering Tool Kit)	T13-6500-ODU-601029	43,681		*
		Subtotal Pass-Through Programs		\$ 447,093		
		Total National Aeronautics and Space		\$ 2,855,174		
<u>National Endowment for the Humanities</u>						
Direct Programs:						
45.169	National Endowment for the Humanities	Promotion of the Humanities Office of Digital Humanities	HAA-256368-17	\$ 26,185		*
		Subtotal Direct Programs		\$ 26,185		
Pass-Through Programs from:						
45.024	Arts Midwest	Promotion of the Arts_Grants to Organizations and Individuals	18-294	\$ 14,998		*
		Subtotal Pass-Through Programs		\$ 14,998		
		Total National Endowment for the Humanities		\$ 41,183		
<u>National Science Foundation</u>						
Direct Programs:						
47.041	National Science Foundation	Engineering Grants	1351413	\$ 12,289		*
47.041	National Science Foundation	Engineering Grants	1450936	5,491		*
47.041	National Science Foundation	Engineering Grants	1537100	4,323		*
47.041	National Science Foundation	Engineering Grants	1560194	138,703		*
47.041	National Science Foundation	Engineering Grants	1640593	70,222	2,000	*
47.041	National Science Foundation	Engineering Grants	1825338	27,823		*
47.041	National Science Foundation	Engineering Grants	1832788	16,311		*
47.041	National Science Foundation	Engineering Grants	1839378	33,844		*
47.041	National Science Foundation	Engineering Grants	1840458	37,160		*
47.041	National Science Foundation	Engineering Grants	1921363	23,877		*
47.041	National Science Foundation	Engineering Grants	1925806	89,648		*
47.041	National Science Foundation	Engineering Grants	EEC-1700047	12,962		*
47.041	National Science Foundation	Engineering Grants	EEC-1723314	283,461	123,595	*
47.041	National Science Foundation	Engineering Grants	nsf cbet1351413	77,187		*

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
47.041	National Science Foundation	Engineering Grants	NSF CBET1450936	21,995		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1464966	6,851		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1535641	100,262		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1606743	129,671		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1610021	49,674		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1632749	64,822		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1659177	85,052		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1659476	97,421		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1708717	82,277		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1709714	32,415		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1808609	73,450		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1830861	6,090		*
47.049	National Science Foundation	Mathematical and Physical Sciences	1839457	11,544		*
47.049	National Science Foundation	Mathematical and Physical Sciences	DMS-1412826	32,822	20,293	*
47.049	National Science Foundation	Mathematical and Physical Sciences	NFS DMS 1319078	11,168		*
47.049	National Science Foundation	Mathematical and Physical Sciences	NSF 1517519	9,450		*
47.049	National Science Foundation	Mathematical and Physical Sciences	NSF CHE 1431172	30,918		*
47.049	National Science Foundation	Mathematical and Physical Sciences	NSF DMS-1720408	32,407		*
47.049	National Science Foundation	Mathematical and Physical Sciences	PHY-1314245	9,787		*
47.049	National Science Foundation	Mathematical and Physical Sciences	PHY-1416051	161,843	42,545	*
47.050	National Science Foundation	Geosciences	1443657	677	443	*
47.050	National Science Foundation	Geosciences	1451452	4,847		*
47.050	National Science Foundation	Geosciences	1459698	42,934		*
47.050	National Science Foundation	Geosciences	1524482	2,256		*
47.050	National Science Foundation	Geosciences	1531877	3,509		*
47.050	National Science Foundation	Geosciences	1543018	33,502		*
47.050	National Science Foundation	Geosciences	1543483	86,064		*
47.050	National Science Foundation	Geosciences	1551195	84,456	39,235	*
47.050	National Science Foundation	Geosciences	1558741	80,646		*
47.050	National Science Foundation	Geosciences	1600062	25,541		*
47.050	National Science Foundation	Geosciences	1603548	93,112		*
47.050	National Science Foundation	Geosciences	1623816	1,756		*
47.050	National Science Foundation	Geosciences	1635403	185,474		*
47.050	National Science Foundation	Geosciences	1636045	118,469		*
47.050	National Science Foundation	Geosciences	1643386	13,268		*
47.050	National Science Foundation	Geosciences	1643652	52,530		*
47.050	National Science Foundation	Geosciences	1658069	5,822		*
47.050	National Science Foundation	Geosciences	1658318	410,839		*
47.050	National Science Foundation	Geosciences	1659543	123,092		*
47.050	National Science Foundation	Geosciences	1701380	137,763		*
47.050	National Science Foundation	Geosciences	1737342	47,958		*
47.050	National Science Foundation	Geosciences	1745011	13,687		*
47.050	National Science Foundation	Geosciences	1756590	10,050		*
47.050	National Science Foundation	Geosciences	1756669	42,009		*
47.050	National Science Foundation	Geosciences	1803933	40,932		*
47.050	National Science Foundation	Geosciences	1829833	35,263		*
47.050	National Science Foundation	Geosciences	1833201	7,476		*
47.050	National Science Foundation	Geosciences	1850925	41,121		*
47.050	National Science Foundation	Geosciences	1851368	38,646		*
47.050	National Science Foundation	Geosciences	1852759	2,179		*

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
47.050	National Science Foundation	Geosciences	NSF OCE-1355913	22,191		*
47.050	National Science Foundation	Geosciences	oCE-1435708	60,981		*
47.050	National Science Foundation	Geosciences	PLR 1443646	34,080		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1418012	3,887		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1526700	137,385		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1608140	46,582	6,285	*
47.070	National Science Foundation	Computer and Information Science and Engineering	1649676	92,146		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1659795	141,569		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1745632	25,753		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1760347	32,759		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1828593	1,503,701		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1829771	64,596		*
47.070	National Science Foundation	Computer and Information Science and Engineering	1850045	2,245		*
47.070	National Science Foundation	Computer and Information Science and Engineering	CNS-1454285	(2,366)		*
47.070	National Science Foundation	Computer and Information Science and Engineering	NSF 1066471	2,070		*
47.070	National Science Foundation	Computer and Information Science and Engineering	NSF CCF-1439079	104,769		*
47.071	National Science Foundation	Undergraduate Science, Engineering, and Mathematics Education	1351413	6,963		*
47.074	National Science Foundation	Biological Sciences	1455900	120,849		*
47.074	National Science Foundation	Biological Sciences	1557669	77,535		*
47.074	National Science Foundation	Biological Sciences	1802342	15,094		*
47.074	National Science Foundation	Biological Sciences	NSF DBI-1356621	18,234		*
47.075	National Science Foundation	Social, Behavioral, and Economic Sciences	1631953	(4,643)	(4,643)	*
47.076	National Science Foundation	Education and Human Resources	1355678	115,154		*
47.076	National Science Foundation	Education and Human Resources	1623646	23,220		*
47.076	National Science Foundation	Education and Human Resources	1712251	87,952		*
47.076	National Science Foundation	Education and Human Resources	1723635	169,672		*
47.076	National Science Foundation	Education and Human Resources	1742118	205,357		*
47.076	National Science Foundation	Education and Human Resources	1742309	136,921		*
47.076	National Science Foundation	Education and Human Resources	1749566	66,190		*
47.076	National Science Foundation	Education and Human Resources	1753793	45,566		*
47.076	National Science Foundation	Education and Human Resources	1821658	54,811		*
47.076	National Science Foundation	Education and Human Resources	1833896	88,990		*
47.076	National Science Foundation	Education and Human Resources	1852813	23,115		*
47.076	National Science Foundation	Education and Human Resources	DUE-1432580	26,552		*
47.076	National Science Foundation	Education and Human Resources	NSF 1504741	13,942		*
47.076	National Science Foundation	Education and Human Resources	NSF DUE1323419	146,339	5,088	*
47.076	National Science Foundation	Education and Human Resources	NSF DUE-1601614	307,602	158,550	*
47.079	National Science Foundation	Office of International Science and Engineering	1654957	101,575		*
47.079	National Science Foundation	Office of International Science and Engineering	1743711	478,796	25,698	*
NSF	National Science Foundation	IPA Assign Wu He	1851410	165,931		*
		Subtotal Direct Programs		\$ 8,433,163		
	Pass-Through Programs from:					
47.049	Temple University	Mathematical and Physical Sciences	260765-ODU	\$ 67,270		*
47.049	The Catholic University of America	Mathematical and Physical Sciences	361226	17,418		*
47.050	James Madison University	Geosciences	S15-235-02	1,131		*
47.050	University of Rhode Island	Geosciences	0004450/100517	27,703		*
47.070	Pennsylvania State University	Computer and Information Science and Engineering	5922-ODU-NSF-3288	5,435		*
47.076	George Mason University	Education and Human Resources	E204629-1	27,485		*

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
47.076	Hampton University	Education and Human Resources	HU-190003	23,811		*
47.076	Norfolk State University	Education and Human Resources	F1040086	9,828		*
47.076	University of Virginia	Education and Human Resources	GA11257 155806	18,765		*
47.076	Western Washington University	Education and Human Resources	51202-ODUX-00	25,175		*
		Subtotal Pass-Through Programs		\$ 224,021		
		Total National Science Foundation		\$ 8,657,184		
<u>Small Business Administration</u>						
Direct Programs:						
59.043	Small Business Administration	Women's Business Ownership Assistance	SBAHQ-12-W-0067	\$ (10,541)		*
59.043	Small Business Administration	Women's Business Ownership Assistance	SBAHQ-17-W-0022	160,132		*
59.044	Small Business Administration	Veterans Business Development	SBAHQ18V0022	295,588		*
59.044	Small Business Administration	Veterans Business Development	SBAHQ19V0024	27,047		*
		Subtotal Direct Programs		\$ 472,226		
		Total Small Business Administration		\$ 472,226		
<u>U.S. Department of Agriculture</u>						
Direct Programs:						
10.001	U.S. Department of Agriculture	Agricultural Research_Basic and Applied Research - Extramural Research	58-3094-6-010	\$ 2,757		*
10.219	U.S. Department of Agriculture	Biotechnology Risk Assessment Research	2016-33522-25624	147,118		*
10.253	U.S. Department of Agriculture	Consumer Data and Nutrition Research	58-4000-6-0061-R	22,292	2,499	*
10.253	U.S. Department of Agriculture	Consumer Data and Nutrition Research	58-4000-8-0038-R	3,402		*
		Subtotal Direct Programs		\$ 175,569		
Pass-Through Programs from:						
10.170	Virginia Department of Agriculture	Specialty Crop Block Grant Program - Farm Bill	301-16-013	\$ 1,548		*
10.170	Virginia Department of Agriculture	Specialty Crop Block Grant Program - Farm Bill	301-17-039	1,139		*
10.170	Virginia Department of Agriculture	Specialty Crop Block Grant Program - Farm Bill	FFY 2017-4F7 301-18-024	19,157		*
10.170	Virginia Department of Agriculture	Specialty Crop Block Grant Program - Farm Bill	FFY 2018-584 301-19-032	33,676		*
10.310	University of Maine	Agriculture and Food Research Initiative (AFRI)	UMS-1154	86,750		*
10.578	Old Dominion University	WIC Grants To States (WGS)	7070732604	8,565		*
		Subtotal Pass-Through Programs		\$ 150,835		
		Total U.S. Department of Agriculture		\$ 326,404		
		Total Research and Development Cluster		\$ 33,491,560		
<u>Special Education Cluster (IDEA)</u>						
<u>U.S. Department of Education</u>						
Pass-Through Programs from:						
84.027A	George Mason University	Special Education--Grants to States	E204371-4	\$ 11,296		
84.027A	George Mason University	Special Education--Grants to States	E204375-4	10,415		
84.027A	George Mason University	Special Education--Grants to States	E2046881	13,902		
84.027A	George Mason University	Special Education--Grants to States	E2047061	13,845		
84.027A	Old Dominion University	Special Education--Grants to States	876-61244-H027A160107	53,699		
84.027A	Old Dominion University	Special Education--Grants to States	876-61244-H027A160107	172,491		
84.027A	Old Dominion University	Special Education--Grants to States	876-APE61191-H027A170107	4,015		
84.027A	Old Dominion University	Special Education--Grants to States	876-APE61244-H027A170107	583,536		
84.027A	Old Dominion University	Special Education--Grants to States	876-APE61244-H027A170107	387,785		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
84.027A	Old Dominion University	Special Education--Grants to States	876-APE61244-H027A180107	333,519		
84.027A	Old Dominion University	Special Education--Grants to States	876-APE61244-H027A180107	256,074		
84.027A	Old Dominion University	Special Education--Grants to States	876-APE62555-H027A180107	49,150		
84.027A	Old Dominion University	Special Education--Grants to States	876-DOE87017-H027A170107	9,305		
84.027A	Old Dominion University	Special Education--Grants to States	876-doe87017-h027a180107	13,508		
84.173A	Old Dominion University	Special Education--Preschool Grants	876-62685-H173A160112	25,002		
84.173A	Old Dominion University	Special Education--Preschool Grants	876-APE62685-H173A170112	242,860		
84.173A	Old Dominion University	Special Education--Preschool Grants	876-APE62685-H173A180112	136,640		
		Subtotal Pass-Through Programs		\$ 2,317,042		
		Total U.S. Department of Education		\$ 2,317,042		
		Total Special Education Cluster (IDEA)		\$ 2,317,042		
<u>TRIO Cluster</u>						
<u>U.S. Department of Education</u>						
Direct Programs:						
84.066A	U.S. Department of Education	Educational Opportunity Centers	P066A160013	\$ 540,713		
		Subtotal Direct Programs		\$ 540,713		
Pass-Through Programs from:						
84.042A	Old Dominion University	TRIO_Student Support Services	PO42A150060-16	\$ 7		
84.042A	Old Dominion University	TRIO_Student Support Services	PO42A150060-17	338,494		
84.047A	Old Dominion University	TRIO_Student Support Services	P047A171195	363,845		
		Subtotal Pass-Through Programs		\$ 702,346		
		Total U.S. Department of Education		\$ 1,243,059		
		Total TRIO Cluster		\$ 1,243,059		
<u>Fish and Wildlife Cluster</u>						
<u>U.S. Department of the Interior</u>						
Pass-Through Programs from:						
15.605	Virginia Marine Resources Commission	Sport Fish Restoration Program	F17AF01056	\$ 78,415		
15.605	Virginia Marine Resources Commission	Sport Fish Restoration Program	F18AF01166	193,877		
		Subtotal Pass-Through Programs		\$ 272,292		
		Total U.S. Department of the Interior		\$ 272,292		
		Total Fish and Wildlife Cluster		\$ 272,292		
<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	FOP-2018-58071-8071	\$ 2,205		
20.600	Virginia Department of Motor Vehicles	State and Community Highway Safety	FOP-2019-59312-9312	52,621		
20.602	Virginia Department of Motor Vehicles	Occupant Protection Incentive Grants	FM2PE-2018-58216-8216	29,451	2,547	
20.616	Old Dominion University	National Priority Safety Programs	M6OT-2018-58062-8062	2,785		
20.616	Virginia Department of Motor Vehicles	National Priority Safety Programs	FM2OP-2018-58217-8217	26,830		
20.616	Virginia Department of Motor Vehicles	National Priority Safety Programs	FM2OP-2019-59314-9314	44,194		

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards
Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/Expenditures	Amount Provided to Subrecipients	Major Program
		Subtotal Pass-Through Programs		\$ 158,086		
		Total U.S. Department of Transportation		\$ 158,086		
		Total Highway Safety Cluster		\$ 158,086		
<u>WIOA Cluster</u>						
<u>U.S. Department of Labor</u>						
	Pass-Through Programs from:					
17.259	Opportunity, Inc.	WIA Youth Activities	WIOA-OSY-PY'15/16- MOD	\$ 119,041		
17.259	Opportunity, Inc.	WIA Youth Activities	WIOA-OSY-PY'15/16-2	2,304		
		Subtotal Pass-Through Programs		\$ 121,345		
		Total U.S. Department of Labor		\$ 121,345		
		Total WIOA Cluster		\$ 121,345		
<u>CDBG - Disaster Recovery Grants - Pub. L. No. 113-2 Cluster</u>						
<u>U.S. Department of Housing and Urban Development</u>						
	Pass-Through Programs from:					
14.272	Coastal Community Resilience, Inc.	National Disaster Resilience Competition	190023	\$ 21,665		
		Subtotal Pass-Through Programs		\$ 21,665		
		Total U.S. Department of Housing and Urban Development		\$ 21,665		
		Total CDBG - Disaster Recovery Grants - Pub. L. No. 113-2 Cluster		\$ 21,665		
<u>Non-Cluster Programs</u>						
<u>U.S. Department of Defense</u>						
	Direct Programs:					
(1)	NAVSUP Fleet Logistics Center Norfolk	Joint Forces Staff College Senior Fellows Program	N00189-17-P-Z080	\$ 82,692		
		Subtotal Direct Programs		\$ 82,692		
		Total U.S. Department of Defense		\$ 82,692		
<u>U.S. Department of Education</u>						
	Pass-Through Programs from:					
84.366B	Old Dominion University	Mathematics and Science Partnerships	S366B150047-APE6073012-8\$	118,688		
84.366B	Old Dominion University	Mathematics and Science Partnerships	S366B150047-APE60730-876	44,419		(1,595)
		Subtotal Pass-Through Programs		\$ 163,107		
		Total U.S. Department of Education		\$ 163,107		
<u>U.S. Department of Health and Human Services</u>						
	Direct Programs:					
93.243	U.S. Department of Health and Human Services	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79SM080472-01	\$ 57,225		
		Subtotal Direct Programs		\$ 57,225		
	Pass-Through Programs from:					
93.243	Ohio Suicide Prevention Foundation	Substance Abuse and Mental Health Services Projects of Regional and National Significance	SM062894	\$ 52,950		27,316

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2019

CFDA Number	Agency/Pass Through Grantor	Program Title	Pass-Through Entity Identifying No.	Disbursements/ Expenditures	Amount Provided to Subrecipients	Major Program
		Subtotal Pass-Through Programs		\$ 52,950		
		Total U.S. Department of Health and Human Services		\$ 110,175		
				<u> </u>		
	<u>National Aeronautics and Space Administration</u>					
	Pass-Through Programs from:					
(1)	National Institute of Aerospace Associates (NIA)	Director of Graduate Programs, National Institute of Aerospace	X17-0810-ODU	\$ 109,187		
		Subtotal Pass-Through Programs		\$ 109,187		
		Total National Aeronautics and Space		\$ 109,187		
				<u> </u>		
		Total Non-Cluster Programs		\$ 465,161		
				<u> </u>		
		Total Expenditures of Federal Awards		\$ 38,090,210	\$ 3,092,229	
				<u> </u>	<u> </u>	

Notes to the Schedule of Expenditures of Federal Awards

(1) CFDA 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.

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

Schedule of Findings and Questioned Costs

For the Year Ended June 30, 2019

SECTION I. SUMMARY OF AUDITOR'S RESULTS

Financial Statements

Type of auditor's report issued: 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:

Research and Development Cluster

TRIO Cluster

Dollar threshold used to distinguish between type A and type B programs: \$ 1,142,706

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, 2019

NONE



**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
Norfolk, Virginia

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Old Dominion University Research Foundation (the “Foundation”), a nonprofit organization and component unit of Old Dominion University, which comprise the statement of financial position as of June 30, 2019, and 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 16, 2019.

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) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control. Accordingly, we do not express an opinion on the effectiveness of the Foundation's internal control.

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

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

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Foundation's financial statements are free of 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 determination of financial statement amounts. 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 16, 2019



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

To the Board of Trustees
Old Dominion University Research Foundation
Norfolk, Virginia

Report on Compliance for Each Major Federal Program

We have audited Old Dominion University Research Foundation's (the "Foundation") compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the Foundation's major federal programs for the year ended June 30, 2019. The Foundation's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the Foundation's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; 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). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the Foundation's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the Foundation's compliance.

Opinion on Each Major Federal Program

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 each of its major federal programs for the year ended June 30, 2019.

Report on Internal Control Over Compliance

Management of the Foundation is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the Foundation's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing our opinion on compliance for each major federal program 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 internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Foundation's 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 first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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 16, 2019