Old Dominion University Research Foundation

To: Distribution

From: Julian F. Facenda
Executive Director

Date: December 7, 2020

Subject: Annual Report of Sponsored Program Activity - June 30, 2020

Attached please find the Annual Report of Sponsored Program Activity for the fiscal year ended June 30, 2020. This report measures sponsored program activity administered through Old Dominion University Research Foundation by the amount of actual expenditures (direct costs and indirect cost recoveries) incurred during the fiscal year. Unrecovered indirect cost is not included in this report. This report includes sponsored program activity administered by the Research Foundation for Old Dominion University and for certain independent affiliates with the University. Included in the report is a schedule of proposals submitted and awards funded for the fiscal year ended June 30, 2020 and the four previous fiscal years. Proposal activity is based upon the total dollar amount requested from sponsoring agencies exclusive of institutional or third party cost share amounts. Award activity reflects the dollar amount of actual funding committed during the reporting period.

The format of the report separately discloses the sponsored program activities of the core University units and the activity of affiliated units. The core University units include all of the academic departments, enterprise centers and self-supporting research positions. The affiliated units reflect sponsored programs of the Virginia Space Grant Consortium and the Tidewater Consortium for Higher Education.

Some key points to note with respect to the core University activity are as follows:

- University research expenditures increase by 0.74% from fiscal year 2019 to $45.1 million.
- Expenditures in excess of $1 million by funding source for the fiscal year were:

National Science Foundation	$ 6.5 million
U.S. Department of Health and Human Services	$ 5.3 million
U.S. Department of Education	$ 3.6 million
U.S. Navy	$ 3.5 million
National Aeronautics and Space Administration	$ 2.2 million
U.S. Department of Energy	$ 1.8 million
Virginia Department of Education	$ 1.8 million
U.S. Air Force	$ 1.7 million
Jefferson Science Associates, LLC (JLAB)	$ 1.2 million
Old Dominion University	$ 1.1 million
Virginia Department of Environmental Quality	$ 1.1 million

- The above rankings include agency funding passed-through from the University.

- Activity of individual faculty conducting research through University-wide enterprise centers is reflected under the faculty member's home department. The research activity of core staff assigned to an enterprise center is reflected in the center's activity. The Virginia Modeling, Analysis and Simulation Center (VMASC) and Frank Reidy Research Center for Bioelectrics core staff activities are reported under the Office of Research and Other Units.

- University departments (including SSRP's and center activity) exceeding $1 million for the fiscal year were:

Virginia Modeling, Analysis and Simulation Center	$ 5.3 million
Communication Disorders and Special Education	$ 4.5 million
Physics	$ 3.7 million
Electrical & Computer Engineering	$ 3.4 million
Ocean & Earth Science	$ 3.3 million
Biological Sciences	$ 2.8 million
Computation Modeling & Simulation Engineering	$ 2.1 million
Chemistry and Biochemistry	$ 1.8 million
Medical Diagnostic and Translational Sciences	$ 1.7 million
Mechanical and Aerospace Engineering	$ 1.5 million
Computer Sciences	$ 1.2 million
Institute for Innovation & Enterprise	$ 1.2 million
Mathematics & Statistics	$ 1.0 million
Engineering - Dean's Office	$ 1.0 million

- Total University proposal submissions during fiscal year 2020 increased 7.7% to $247.5 million dollars. Total University Awards funded during fiscal year 2020 increased 22.5% from fiscal year 2019 levels to $57.1 million dollars.

Should you have any questions concerning the enclosed report please do not hesitate to contact me at 683-7210.

DISTRIBUTION

Research Foundation Board of Trustees
University Vice Presidents
College Deans
Academic Department Chairs
Center Directors
Affiliated Unit Directors
Institutional Research Office
University Budget Office

CONTENTS

Schedule 1 - Summary of Sponsored Program Activity
Fiscal Year 2020 through Fiscal Year 2015

Schedule 2 - Summary of Sponsored Program Activity by Major Funding
Source – Fiscal Year 2020 through Fiscal Year 2016

Schedule 3 - Comparison of Direct Cost, Indirect Cost and Effective Indirect
Cost Rates – University Units – Fiscal Year 2020 through Fiscal Year 2018

Schedule 4 - Sponsored Program Activity Individual Project Listing
Fiscal Year 2020

Schedule 5 - Enterprise Centers Including Projects Reported as Activity of an
Academic Department – Fiscal Year 2020

Schedule 6 - Sponsored Program Activity – Proposals Submitted and
Awards Funded – Fiscal Year 2020 through Fiscal Year 2016

SCHEDULE 1

Summary of Sponsored Program Activity

Fiscal Year 2020 through Fiscal Year 2015

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2015

	FY 20	FY 19	FY 18	FY 17	FY 16	FY 15
COLLEGE OF ARTS & LETTERS						
Dean's Office	$ 1	$ 1,999	$ -	$ -	$ 2,129	$ 14,430
Art	1,759	-	-	-	-	-
Communication & Theatre Arts	-	-	-	2,075	33,450	1,868
English	153,783	126,801	106,763	63,828	50,117	60,229
Foreign Languages/Literatures	-	-	-	-	-	3,826
History	37,771	17,014	75,116	6,300	4,259	26,459
Political Science & Geography	97,023	74,398	77,207	27,324	61,425	29,781
Philosophy & Religious Studies	-	-	-	14,629	3,455	-
Philosophy & Religious Studies - Cybersecurity	16,401	2,818	-	-	-	-
Social Science Research Center	144,726	148,221	208,762	166,351	149,199	130,809
Sociology & Criminal Justice	601,295	743,055	766,128	475,311	12,752	13,661
Women's Studies	-	6,465	8,255	15,128	-	-
College Total	$ 1,052,759	$ 1,120,771	$ 1,242,232	$ 770,946	$ 316,786	$ 281,063
% Change from prior year	-6.07%	-9.78%	61.13%	143.37%	12.71%	-36.98%
Average yearly increase (decrease)	54.91%					
STROME COLLEGE OF BUSINESS						
Economics	$ 71,744	$ 139,880	$ 123,154	$ 70,370	$ 126,425	$ (442)
Finance	-	-	-	-	2,444	7,495
Information Systems & Decision Sciences	254,822	224,332	95,253	139,319	158,436	148,544
Information Systems & Decision Sciences - Cybersecurity	19,348	78,759	66,241	381	-	-
Management	-	-	-	663	1,293	-
Marketing	8,953	-	13,760	12,308	3,863	-
Public Service	68,257	43,697	46,269	25,276	10,262	10,404
College Total	$ 423,124	$ 486,668	$ 344,677	$ 248,316	$ 302,722	$ 166,001
% Change from prior year	-13.06%	41.20%	38.81%	-17.97%	82.36%	101.78%
Average yearly increase (decrease)	30.98%					

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2015

	FY 20	FY 19	FY 18	FY 17	FY 16	FY 15
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES						
Dean's Office	$ 506,302	$ 430,047	$ 498,687	$ 465,485	$ 436,482	$ 264,167
Dean's Office - Cybersecurity	16,401	2,818	-	-	-	-
Center for Educational Partnerships	842,939	479,755	555,811	3,240,456	5,183,002	4,669,983
Communication Disorders and Special Education	4,499,676	4,231,210	3,812,902	3,842,934	3,708,022	3,650,009
Counseling and Human Services	422,711	368,595	299,968	345,081	72,310	111,934
Counseling and Human Services - Cybersecurity	1,797	-	-	-	-	-
Educational Foundations and Leadership	235,720	186,213	229,172	562,137	816,336	798,728
Human Movement Sciences	206,586	9,228	30,066	48,658	41,308	109,017
STEM Education and Professional Studies	63,385	144,548	283,082	842,959	1,320,821	1,848,198
Teaching and Learning	395,707	259,091	308,853	410,023	520,525	433,989
College Total	$ 7,191,225	$ 6,111,506	$ 6,018,542	$ 9,757,734	$ 12,098,806	$ 11,886,025
% Change from prior year	17.67%	1.54%	-38.32%	-19.35%	1.79%	9.30%
Average yearly increase (decrease)	-7.90%					

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2015

	FY 20	FY 19	FY 18	FY 17	FY 16	FY 15
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY						
Dean's Office	$ 989,936	$ 1,271,521	$ 533,243	$ 415,031	$ 290,154	$ 101,365
Civil & Environmental Engineering	742,504	942,355	1,013,126	1,381,257	890,440	648,563
Civil & Environmental Engineering - VMASC	-	-	-	-	47,474	-
Electrical & Computer Engineering	1,128,342	1,416,907	1,469,081	1,216,735	921,054	893,818
Electrical & Computer Engineering - ARC	407,780	466,449	475,757	504,233	591,501	1,189,505
Electrical & Computer Engineering - Bioelectrics	1,484,532	1,610,403	1,045,485	534,322	775,182	1,043,637
Electrical & Computer Engineering - Cybersecurity	635,254	838,891	65,508	43,706	-	-
Engineering Management and Systems Engineering	691,376	605,194	554,560	414,241	410,275	536,522
Engineering Management and Systems Engineering - NCSOSE	-	-	-	-	11,012	41,687
Engineering Management and Systems Engineering - Cybersecurity	-	300,740	-	-	-	-
Engineering Management and Systems Engineering - VMASC	110,832	-	-	-	-	-
Engineering Technology	286,616	432,985	726,117	811,348	861,881	370,170
Engineering Technology - ARC	-	-	-	-	-	3,063
Engineering Technology - VMASC	592,632	-	-	-	-	-
Mechanical & Aerospace Engineering	1,442,859	1,015,053	1,012,472	1,181,404	731,570	799,335
Mechanical & Aerospace Engineering - ARC	16,325	-	-	15,438	23,721	24,024
Computation Modeling & Simulation Engineering	714,939	1,735,799	567,858	578,878	505,132	398,185
Computation Modeling & Simulation Engineering - VMASC	1,335,995	-	690,251	597,087	2,003,612	3,087,263
Computation Modeling & Simulation Engineering - Cybersecurity	39,566	320,123	-	-	-	-
College Total	$ 10,619,487	$ 10,956,419	$ 8,153,458	$ 7,693,679	$ 8,063,007	$ 9,137,137
% Change from prior year	-3.08%	34.38%	5.98%	-4.58%	-11.76%	13.85%
Average yearly increase (decrease)	3.24%					

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2015

	FY 20	FY 19	FY 18	FY 17	FY 16	FY 15
COLLEGE OF HEALTH SCIENCES						
Dean's Office	$ 31,468	$ 44,825	$ 17,920	$ -	$ (72)	$ 25,073
Community & Environmental Health	130,146	203,805	209,101	98,912	95,308	99,218
Dental Hygiene	4,849	6,225	(20,221)	42,674	53,022	63,993
Medical Diagnostic & Translational Sciences	207,806	263,858	428,063	691,061	358,374	23,438
Medical Diagnostic & Translational Sciences - Bioelectrics	1,328,351	2,031,413	2,422,581	2,216,849	2,479,922	1,447,102
Nursing	631,623	647,734	1,077,828	1,937,351	1,362,754	930,615
Rehabilitation Sciences	53,055	80,785	122,050	80,427	100,441	199,606
College Total	$ 2,387,297	$ 3,278,645	$ 4,257,321	$ 5,067,273	$ 4,449,749	$ 2,789,045
% Change from prior year	-27.19%	-22.99%	-15.98%	13.88%	59.54%	1.35%
Average yearly increase (decrease)	-2.88%					
COLLEGE OF SCIENCES						
Dean's Office	$ 7,803	$ 37,964	$ -	$ -	$ 1,420	$ 8,820
Biological Sciences	2,795,851	2,755,586	2,535,072	2,039,337	1,742,699	1,614,718
Center for Coastal Physical Oceanography	1,056,101	811,361	822,626	939,208	693,392	865,985
Center for Coastal Physical Oceanography - MARI	10,976	40,412	107,505	58,186	32,915	-
Chemistry and Biochemistry	1,766,205	2,393,826	2,315,738	2,618,322	2,202,356	1,780,131
Chemistry and Biochemistry - ARC	4,319	3,917	357	-	-	-
Chemistry and Biochemistry - VCERC	-	-	-	-	(5,971)	49,077
Computer Science	947,914	1,008,821	1,538,808	1,614,304	1,607,758	1,188,118
Computer Science - VMASC	170,644	107,538	-	-	-	-
Computer Science - Cybersecurity	102,992	317,670	-	-	-	-
Mathematics and Statistics	1,001,018	915,496	833,920	669,176	751,636	684,811
Ocean & Earth Science	2,213,734	2,839,369	2,606,361	2,722,270	3,229,908	2,379,550
Ocean & Earth Science - SSRP	-	-	499,463	558,257	349,294	494,657
Physics	3,702,326	3,874,396	3,439,875	3,571,771	3,562,835	3,415,041
Psychology	846,328	724,267	1,192,251	1,221,594	1,326,747	1,292,856
College Total	$ 14,626,211	$ 15,830,622	$ 15,891,977	$ 16,012,427	$ 15,494,987	$ 13,773,764
% Change from prior year	-7.61%	-0.39%	-0.75%	3.34%	12.50%	-15.27%
Average yearly increase (decrease)	1.24%					

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2015

	FY 20	FY 19	FY 18	FY 17	FY 16	FY 15
OFFICE OF RESEARCH AND OTHER UNITS						
VMASC: Virginia Modeling, Analysis & Simulation Center	$ 5,289,061	$ 3,699,337	$ 2,574,951	$ 2,386,352	$ 1,822,109	$ 1,995,708
Frank Reidy Research Center for Bioelectrics	924,223	963,475	1,528,092	2,267,188	1,350,583	516,121
The Graduate School	97,345	81,109	169,352	-	-	-
Institute for Innovation & Entrepreneurship	1,184,410	1,174,567	1,313,045	1,709,338	1,658,975	1,355,165
Miscellaneous ODU Units	918,075	832,665	859,658	933,229	898,552	744,696
Miscellaneous ODU Units - Cybersecurity	370,004	217,001	184,928	-	-	-
Total Other Units	$ 8,783,118	$ 6,968,154	$ 6,630,025	$ 7,296,107	$ 5,730,219	$ 4,611,690
% Change from prior year	26.05%	5.10%	-9.13%	27.33%	24.25%	-0.06%
Average yearly increase (decrease)	18.09%					
TOTAL UNIVERSITY ACTIVITY	$ 45,083,222	$ 44,752,785	$ 42,538,232	$ 46,846,483	$ 46,456,275	$ 42,644,725
% CHANGE FROM PRIOR YEAR	0.74%	5.21%	-9.20%	0.84%	8.94%	-0.95%
Average yearly increase (decrease)	1.14%					
AFFILIATED ACTIVITY						
Virginia Tidewater Consortium for Higher Education	541,907	662,057	576,141	575,071	633,094	567,905
Virginia Space Grant Consortium	3,240,748	3,486,217	3,485,841	3,499,493	3,369,477	4,136,516
TOTAL AFFILIATED ACTIVITY	$ 3,782,655	$ 4,148,274	$ 4,061,982	$ 4,074,564	$ 4,002,572	$ 4,704,421
% CHANGE FROM PRIOR YEAR	-8.81%	2.12%	-0.31%	1.80%	-14.92%	-12.13%
Average yearly increase (decrease)	-3.92%					
GRAND TOTAL	48,865,877	48,901,059	46,600,214	50,921,047	50,458,846	47,349,146

SCHEDULE 2

Summary of University Activity

Major Funding Source

Fiscal Year 2020 through Fiscal Year 2016

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
FEDERAL										
National Science Foundation	$ 6,472,115	13.2%	$ 8,433,159	17.2%	$ 6,529,391	14.0%	$ 6,721,391	14.4%	$ 6,551,190	14.1%
U.S. Department of Health & Human Services	5,315,826	10.9%	5,993,011	12.3%	6,304,663	13.5%	6,633,834	14.2%	4,254,422	9.2%
United States Navy	2,399,235	4.9%	3,086,452	6.3%	1,747,861	3.8%	2,230,435	4.8%	3,063,024	6.6%
U.S. Department of Energy	1,526,120	3.1%	1,468,616	3.0%	1,487,637	3.2%	1,507,898	3.2%	1,644,625	3.6%
National Aeronautics & Space Administration	1,931,690	4.0%	2,383,714	4.9%	2,676,528	5.7%	1,464,654	3.1%	1,157,102	2.5%
U.S. Department of Education	1,271,400	2.6%	1,197,367	2.4%	1,467,534	3.1%	4,216,252	9.0%	6,693,743	14.4%
Small Business Administration	588,860	1.2%	472,226	1.0%	485,835	1.0%	483,600	1.0%	400,172	0.9%
United States Air Force	547,169	1.1%	555,232	1.1%	865,729	1.9%	493,352	1.1%	261,040	0.6%
United States Army	499,767	1.0%	252,225	0.5%	195,239	0.4%	6,079	0.0%	11,638	0.0%
Fermi National Accelerator Lab	260,965	0.5%	373,702	0.8%	167,137	0.4%	159,185	0.3%	251,207	0.5%
National Oceanic & Atmospheric Administration	250,843	0.5%	181,623	0.4%	199,609	0.4%	257,530	0.6%	63,088	0.1%
U.S. Department of Justice	218,227	0.4%	164,119	0.3%	136,825	0.3%	6,218	0.0%	101,136	0.2%
AMES Research Labs	187,742	0.4%	224,239	0.5%	74,070	0.2%	65,865	0.1%	45,922	0.1%
Economic Development Administration (EDA)	158,061	0.3%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
U.S. Department of Defense - Other	155,195	0.3%	-	0.0%	-	0.0%	94,468	0.2%	367,194	0.8%
Brookhaven National Laboratory	120,229	0.2%	37,628	0.1%	42,079	0.1%	20,412	0.0%	55,951	0.1%
National Security Agency	82,733	0.2%	113,989	0.2%	-	0.0%	99,401	0.2%	17,275	0.0%
U.S. Department of Agriculture	64,345	0.1%	172,167	0.4%	167,973	0.4%	139,902	0.3%	707	0.0%
U.S. Fish and Wildlife	60,854	0.1%	66,331	0.1%	69,229	0.1%	58,186	0.1%	27,916	0.1%
Oak Ridge National Laboratory	60,133	0.1%	30,521	0.1%	13,172	0.0%	-	0.0%	-	0.0%
National Association Research and Education Foundation (NATA)	31,588	0.1%	19,551	0.0%	7,082	0.0%	-	0.0%	-	0.0%
National Endowment/Humanities	31,024	0.1%	26,185	0.1%	230,079	0.5%	110,225	0.2%	242,957	0.5%
National Park Foundation	29,716	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
SERDP	24,003	0.0%	146,561	0.3%	-	0.0%	-	0.0%	-	0.0%
Institute of Museum and Library Services	(1)	0.0%	78,293	0.2%	161,725	0.3%	248,376	0.5%	322,314	0.7%
U.S. Environmental Protection Agency	-	0.0%	6,783	0.0%	7,500	0.0%	17,770	0.0%	66,944	0.1%
National Institute of Standards and Technology	-	0.0%	-	0.0%	107,400	0.2%	164,434	0.4%	349,808	0.8%
NON-DISCLOSED SPONSORS	-	0.0%	-	0.0%	-	0.0%	71,852	0.2%	-	0.0%
U.S. Department of Housing and Urban Development	-	0.0%	-	0.0%	-	0.0%	52,377	0.1%	100,248	0.2%
Other Federal	15,867	0.0%	57,145	0.1%	121,498	0.3%	59,897	0.1%	74,135	0.2%
SUBTOTAL FEDERAL	$ 22,303,706	45.6%	$ 25,540,837	52.1%	$ 23,265,797	49.7%	$ 25,383,592	54.3%	$ 26,123,759	56.2%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
STATE & LOCAL GOVERNMENT AND AGREEMENTS WITH OTHER UNIVERSITIES										
Old Dominion University - See Note	$ 11,001,181	22.5%	$ 9,940,511	20.3%	$ 9,398,469	20.2%	$ 8,805,528	18.9%	$ 7,912,031	17.1%
VA Department of Economic Development	892,705	1.8%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
State Council of Higher Education for Virginia	770,053	1.6%	858,379	1.8%	819,088	1.8%	-	0.0%	48,032	0.1%
University of Illinois	392,577	0.8%	231,972	0.5%	337,789	0.7%	263,331	0.6%	-	0.0%
VA Polytechnic Institute and State University	389,892	0.8%	338,460	0.7%	336,387	0.7%	37,868	0.1%	50,062	0.1%
University of Virginia	380,780	0.8%	555,268	1.1%	600,296	1.3%	444,556	1.0%	306,900	0.7%
Hampton Roads Sanitation District Commission	360,749	0.7%	242,952	0.5%	172,771	0.4%	109,972	0.2%	113,734	0.2%
Governor's Office	359,402	0.7%	308,404	0.6%	347,249	0.7%	452,707	1.0%	424,733	0.9%
VA Department of Mines, Minerals, and Energy Total	352,482	0.7%	-	0.0%	-	0.0%	77,905	0.2%	-	0.0%
University of Oregon	317,833	0.7%	268,443	0.5%	-	0.0%	-	0.0%	-	0.0%
Norfolk State University	304,481	0.6%	327,700	0.7%	316,229	0.7%	302,588	0.6%	182,110	0.4%
Virginia Institute of Marine Sciences	304,124	0.6%	255,519	0.5%	196,123	0.4%	122,410	0.3%	101,293	0.2%
Virginia Department of Emergency Management	264,676	0.5%	242,109	0.5%	236,566	0.5%	87,512	0.2%	85,308	0.2%
George Mason University	213,372	0.4%	104,373	0.2%	116,977	0.3%	140,655	0.3%	165,351	0.4%
Virginia Department of Transportation	204,681	0.4%	59,797	0.1%	83,698	0.2%	66,089	0.1%	71,051	0.2%
State University of New Jersey (all campuses)	195,860	0.4%	183,320	0.4%	172,197	0.4%	224,870	0.5%	131,470	0.3%
Virginia Department of Motor Vehicles	194,690	0.4%	153,096	0.3%	275,445	0.6%	234,061	0.5%	246,916	0.5%
Crater Planning District Commission	194,592	0.4%	158,477	0.3%	124,991	0.3%	131,139	0.3%	146,141	0.3%
Vermont Agency of Education Total	117,105	0.2%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Michigan State University	116,081	0.2%	119,238	0.2%	111,685	0.2%	71,699	0.2%	111,461	0.2%
Colorado School of Mines	104,564	0.2%	214,465	0.4%	235,350	0.5%	37,712	0.1%	-	0.0%
Hampton University	90,952	0.2%	84,372	0.2%	63,880	0.1%	-	0.0%	28,084	0.1%
Norfolk Public Schools	89,713	0.2%	-	0.0%	3,100	0.0%	10,900	0.0%	8,741	0.0%
Eastern Virginia Medical School	76,336	0.2%	83,473	0.2%	64,979	0.1%	107,954	0.2%	162,934	0.4%
University of Maine	74,224	0.2%	86,750	0.2%	26,364	0.1%	31,412	0.1%	6,033	0.0%
Iowa State University	72,911	0.1%	55,263	0.1%	200,681	0.4%	229,776	0.5%	236,604	0.5%
Arizona State University	68,682	0.1%	111,238	0.2%	19,921	0.0%	16,832	0.0%	18,168	0.0%
Temple University	67,054	0.1%	74,952	0.2%	77,635	0.2%	111,014	0.2%	59,589	0.1%
Western Carolina University	59,898	0.1%	24,228	0.0%	-	0.0%	-	0.0%	-	0.0%
East Carolina State University	59,831	0.1%	2,175	0.0%	22,184	0.0%	11,803	0.0%	-	0.0%
South Dakota School of Mines & Technology	59,681	0.1%	15,951	0.0%	55,476	0.1%	77,905	0.2%	30,470	0.1%
Children's Hospital of the King's Daughters	55,604	0.1%	33,279	0.1%	(2,025)	0.0%	-	0.0%	20,811	0.0%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
Texas A&M University	50,832	0.1%	206,563	0.4%	163,353	0.4%	133,692	0.3%	130,156	0.3%
Virginia Marine Resources Commission	47,044	0.1%	272,292	0.6%	275,789	0.6%	281,506	0.6%	268,114	0.6%
University of Cincinnati	46,209	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Ohio State University	44,518	0.1%	-	0.0%	-	0.0%	6,881	0.0%	8,706	0.0%
Center of Innovative Technology	41,997	0.1%	155,448	0.3%	-	0.0%	-	0.0%	129,133	0.3%
University of Delaware	41,525	0.1%	-	0.0%	-	0.0%	-	0.0%	18,849	0.0%
University of Southern Mississippi	-	0.0%	28,112	0.1%	71,863	0.2%	163,162	0.3%	50,764	0.1%
City of Virginia Beach	-	0.0%	46,010	0.1%	43,932	0.1%	18,504	0.0%	247,497	0.5%
University of Maryland	-	0.0%	23,261	0.0%	34,433	0.1%	140,576	0.3%	114,225	0.2%
Florida Fish & Wildlife Conservation Commission	-	0.0%	69,643	0.1%	67,166	0.1%	61,844	0.1%	47,258	0.1%
City of Portsmouth	-	0.0%	31,621	0.1%	40,468	0.1%	21,821	0.0%	151,616	0.3%
University of Michigan	-	0.0%	-	0.0%	111,685	0.2%	71,699	0.2%	110,461	0.2%
North Carolina State University	-	0.0%	-	0.0%	85,589	0.2%	61,517	0.1%	43,004	0.1%
Rochester Institute of Technology	-	0.0%	-	0.0%	51,750	0.1%	60,514	0.1%	73,600	0.2%
University of Colorado	-	0.0%	-	0.0%	3,575	0.0%	63,635	0.1%	19,475	0.0%
Georgia Regents University	-	0.0%	-	0.0%	-	0.0%	307,004	0.7%	535,479	1.2%
Johns-Hopkins Hospital	-	0.0%	-	0.0%	-	0.0%	121,847	0.3%	43,157	0.1%
Commonwealth Health Research Board	-	0.0%	-	0.0%	-	0.0%	91,828	0.2%	81,654	0.2%
University of Idaho	-	0.0%	-	0.0%	-	0.0%	-	0.0%	109,712	0.2%
Florida Department of Environmental Protection	-	0.0%	-	0.0%	-	0.0%	-	0.0%	107,779	0.2%
University of Southern California	-	0.0%	-	0.0%	-	0.0%	84,742	0.2%	115,849	0.3%
University of Toledo	-	0.0%	-	0.0%	(16,299)	0.0%	-	0.0%	2,482	0.0%
Other State & Local	553,141	1.1%	455,403	0.9%	743,751	1.6%	609,129	1.3%	590,471	1.3%
SUBTOTAL STATE & LOCAL	$ 19,032,035	38.9%	$ 16,422,515	33.6%	$ 16,090,559	34.5%	$ 14,508,100	31.1%	$ 13,667,468	29.5%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
PRIVATE AND OTHER SPONSORS										
Jefferson Science Associates	$ 1,201,787	2.5%	$ 1,037,551	2.1%	$ 1,004,818	2.2%	$ 1,178,928	2.5%	$ 1,164,984	2.5%
Pulse Biosciences, Inc.	603,786	1.2%	705,637	1.4%	906,568	1.9%	854,008	1.8%	1,006,931	2.2%
Camber Corporation	581,511	1.2%	311,458	0.6%	115,206	0.2%	-	0.0%	-	0.0%
John Templeton Foundation	502,866	1.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
The National Academies	477,689	1.0%	457,152	0.9%	398,008	0.9%	37,576	0.1%	-	0.0%
National Institute of Aerospace	474,265	1.0%	465,890	1.0%	469,843	1.0%	473,785	1.0%	459,190	1.0%
Jeffress	305,809	0.6%	79,919	0.2%	112,751	0.2%	123,323	0.3%	90,880	0.2%
Frontier Technology Inc.	269,650	0.6%	25,799	0.1%	-	0.0%	-	0.0%	-	0.0%
Southern Universities Research Assocation (SURA)	220,918	0.5%	246,227	0.5%	121,800	0.3%	-	0.0%	-	0.0%
United Network for Organ Sharing (UNOS)	139,036	0.3%	24,039	0.0%	-	0.0%	-	0.0%	-	0.0%
Sentara Hospitals	124,825	0.3%	295,977	0.6%	81,296	0.2%	(245)	0.0%	56,745	0.1%
Lifenet	114,452	0.2%	104,238	0.2%	45	0.0%	100,905	0.2%	9,679	0.0%
Applied Research LLC	110,708	0.2%	43,105	0.1%	17,900	0.0%	13,506	0.0%	-	0.0%
Commonwealth Center for Advanced Manufacturing	110,270	0.2%	76,656	0.2%	70,423	0.2%	148,902	0.3%	117,383	0.3%
Prevailance, Inc.	109,778	0.2%	53,003	0.1%	-	0.0%	-	0.0%	-	0.0%
MITRE Corporation	80,439	0.2%	11,250	0.0%	-	0.0%	-	0.0%	-	0.0%
Children's Health Foundation, Inc.	79,421	0.2%	69,372	0.1%	53,569	0.1%	23,664	0.1%	-	0.0%
Great Lakes Systems and Technology	78,212	0.2%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Vr Rehab, Inc.	77,384	0.2%	45,071	0.1%	85,746	0.2%	-	0.0%	-	0.0%
Electric Power Research Institute	68,617	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Spencer Foundation	68,084	0.1%	7,384	0.0%	-	0.0%	-	0.0%	4,887	0.0%
Lockwood Hills Federal LLC	60,303	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
ReInvent Hampton Roads	57,575	0.1%	22,737	0.0%	94,410	0.2%	-	0.0%	-	0.0%
Opportunity, Inc.	52,164	0.1%	121,344	0.2%	91,583	0.2%	-	0.0%	14,376	0.0%
Hazen and Sawyer, P.C.	51,095	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Leidos	45,022	0.1%	11,414	0.0%	-	0.0%	-	0.0%	-	0.0%
Face Construction Technologies	43,730	0.1%	29,812	0.1%	2,929	0.0%	767	0.0%	-	0.0%
Volvo Technology of America, Inc.	43,207	0.1%	13,549	0.0%	-	0.0%	-	0.0%	-	0.0%
Engility	42,687	0.1%	93,518	0.2%	94,136	0.2%	126,096	0.3%	85,513	0.2%
Applied Research Associates, Inc.	-	0.0%	19,453	0.0%	109,811	0.2%	-	0.0%	-	0.0%
WR Systems LTD	-	0.0%	252,545	0.5%	119,355	0.3%	-	0.0%	-	0.0%
Hogan-Lovells	-	0.0%	187,384	0.4%	-	0.0%	-	0.0%	-	0.0%
ALEX - Alternative Experts, LLC	-	0.0%	85,309	0.2%	-	0.0%	-	0.0%	-	0.0%
CACI, Inc.--Federal	-	0.0%	82,909	0.2%	163,551	0.4%	-	0.0%	-	0.0%
Pew Charitable Trusts	-	0.0%	81,025	0.2%	33,755	0.1%	-	0.0%	-	0.0%
Ocean Bay, LLC	-	0.0%	71,939	0.1%	85,398	0.2%	-	0.0%	-	0.0%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
Non-Disclosed	-	0.0%	61,175	0.1%	157,383	0.3%	181,808	0.4%	170,200	0.4%
Genedge Alliance (formerly Philpott Manufacturing)	-	0.0%	54,135	0.1%	179,259	0.4%	307,053	0.7%	259,820	0.6%
BEM Controls, LLC	-	0.0%	53,882	0.1%	-	0.0%	-	0.0%	-	0.0%
Wildlife Management Institute	-	0.0%	53,808	0.1%	-	0.0%		0.0%		0.0%
Ohio Suicide Prevention Foundation	-	0.0%	52,950	0.1%	5,660	0.0%	-	0.0%	-	0.0%
Blue Moon Fund	-	0.0%	39,987	0.1%	48,955	0.1%	147,305	0.3%	166,253	0.4%
Plasser American Corporation	-	0.0%	35,480	0.1%	87,212	0.2%	10,307	0.0%	-	0.0%
Midland GIS Solutions	-	0.0%	14,916	0.0%	66,996	0.1%	-	0.0%		0.0%
General Dynamics	-	0.0%	13,127	0.0%	-	0.0%	-	0.0%	97,954	0.2%
Center for Mind and Culture	-	0.0%	7,436	0.0%	155,875	0.3%	-	0.0%	-	0.0%
Battelle Corporation	-	0.0%	6,268	0.0%	90,337	0.2%	152,594	0.3%	41,146	0.1%
The Geneva Foundation	-	0.0%	-	0.0%	90,574	0.2%	227,252	0.5%	110,173	0.2%
Dominion Resources Services, Inc.	-	0.0%	-	0.0%	19,068	0.0%	(2,504)	0.0%	158,722	0.3%
LMI	-	0.0%	-	0.0%	-	0.0%	100,704	0.2%	113,096	0.2%
Boston VA Research Institute, Inc	-	0.0%	-	0.0%	-	0.0%	61,417	0.1%	67,810	0.1%
Stihl	-	0.0%	-	0.0%	-	0.0%	29,394	0.1%	100,103	0.2%
American Diabetes Association	-	0.0%	-	0.0%	-	0.0%	15,093	0.0%	55,927	0.1%
Advanced Anti-Terror Technologies, Inc.	-	0.0%	-	0.0%	-	0.0%	-	0.0%	117,383	0.3%
OncoSec Medical, Inc.	-	0.0%	-	0.0%	-	0.0%	-	0.0%	25,764	0.1%
Niowave, Inc.	-	0.0%	-	0.0%	-	0.0%	84,145	0.2%	27,620	0.1%
Other Private Sponsors	965,581	2.0%	819,532	1.7%	968,225	2.1%	1,107,313	2.4%	958,234	2.1%
SUBTOTAL PRIVATE	$ 7,160,872	14.7%	$ 6,345,364	13.0%	$ 6,102,444	13.1%	$ 5,503,097	11.8%	$ 5,480,772	11.8%
FOREIGN										
World Conservation Union (IUCN)	$ 190,918	0.4%	$ 157,874	0.3%	$ 188,617	0.4%	$ 213,108	0.5%	$ 152,773	0.3%
NATO	65,012	0.1%	-	0.0%	56,000	0.1%	56,800	0.1%	-	0.0%
Acharya Institute of Technology	43,213	0.1%	28,115	0.1%	20,196	0.0%	13,334	0.0%	8,997	0.0%
Norwegian Maritime Museum	37,771	0.1%	37,500	0.1%	-	0.0%	-	0.0%	-	0.0%
Myongji University	14,210	0.0%	40,161	0.1%	34,961	0.1%	55,265	0.1%	55,221	0.1%
University of Southampton	-	0.0%	183,197	0.4%	463,067	1.0%	594,160	1.3%	606,869	1.3%
Ferring Pharmaceuticals Inc.	-	0.0%	37,631	0.1%	135,072	0.3%	43,345	0.1%	-	0.0%
University of Agder	-	0.0%	85,040	0.2%	58,937	0.1%	84,299	0.2%	-	0.0%
Qatar University	-	0.0%	(11,325)	0.0%	27,745	0.1%	84,255	0.2%	127,698	0.3%
Other	18,137	0.0%	34,152	0.1%	156,822	0.3%	112,255	0.2%	101,248	0.2%
SUBTOTAL FOREIGN	$ 369,262	0.8%	$ 592,345	1.2%	$ 1,141,417	1.6%	$ 1,256,820	1.8%	$ 1,052,807	1.4%
TOTAL	$ 48,865,874	99.2%	$ 48,901,062	98.7%	$ 46,600,216	97.3%	$ 46,651,610	97.2%	$ 46,324,805	97.6%

Note: Certain agencies require direct award to Old Dominion University. The following represents the expenditures by agency on projects passed through by the University.

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

FUNDING SOURCE / AGENCY	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total	FY18 Amount	FY18 Percent of Total	FY17 Amount	FY17 Percent of Total	FY16 Amount	FY16 Percent of Total
Old Dominion University pass through from:										
U.S. Department of Education	$ 2,376,437	4.9%	$ 2,279,784	4.7%	$ 2,107,455	4.5%	$ 1,173,032	2.5%	$ 758,034	1.6%
Virginia Department Of Education	1,760,387	3.6%	2,148,830	4.4%	2,299,531	4.9%	3,464,512	7.4%	4,138,355	8.9%
United States Air Force	1,137,083	2.3%	1,007,042	2.1%	1,684,133	3.6%	1,304,868	2.8%	466,154	1.0%
United States Navy	1,129,056	2.3%	601,723	1.2%	151,106	0.3%	-	0.0%	-	0.0%
Old Dominion University	1,106,771	2.3%	359,595	0.7%	247,671	0.5%	376,791	0.8%	352,261	0.8%
Virginia Department of Environmental Quality	1,068,010	2.2%	1,134,626	2.3%	1,179,356	2.5%	1,236,651	2.7%	1,068,484	2.3%
Hampton Roads Cyber Collaboration	569,798	1.2%	600,656	1.2%	71,733	0.2%	-	0.0%	-	0.0%
U.S. Department of Labor	518,414	1.1%	361,896	0.7%	553,902	1.2%	364,696	0.8%	-	0.0%
Virginia Biosciences Health Research Corp.	350,389	0.7%	632,238	1.3%	106,679	0.2%	339,013	0.7%	508,416	1.1%
National Aeronautics & Space Administration	296,315	0.6%	296,181	0.6%	330,780	0.7%	-	0.0%	-	0.0%
U.S. Department of Energy	266,527	0.5%	155,540	0.3%	90,334	0.2%	226,505	0.5%	480,206	1.0%
Coast Virginia Martime Advanced MAP	138,644	0.3%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Virginia Department Of Behavorial Health and Developmental Serv	70,278	0.1%	183,488	0.4%	224,750	0.5%	192,742	0.4%	76,500	0.2%
Department of Interior	60,188	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
Virginia Department Of Health	37,308	0.1%	36,505	0.1%	-	0.0%	4,349	0.0%	-	0.0%
Foreign	8,898	0.0%	40,857	0.1%	62,128	0.1%	-	0.0%	(210)	0.0%
State Council of Higher Education for Virginia	-	0.0%	(100)	0.0%	101,004	0.2%	17,139	0.0%	-	0.0%
Other Sponsors	106,679	0.2%	101,651	0.2%	187,908	0.4%	105,230	0.2%	63,831	0.1%
Old Dominion University Total	$ 11,001,181	22.5%	$ 9,940,511	20.3%	$ 9,398,469	20.2%	$ 8,805,528	18.9%	$ 7,912,031	17.1%

Note: Certain prior year amounts have been restated to be consistent with current year presentation.

SCHEDULE 3

Comparison of Direct Cost, Indirect Cost and Effective Indirect Cost Rates

Fiscal Year 2020 through Fiscal Year 2018

SCHEDULE 3

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

REPORT OF SPONSORED PROGRAM ACTIVITY

DIRECT COST, INDIRECT COST AND EFFECTIVE INDIRECT COST RATE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2018

	Fiscal Year 2020				Fiscal Year 2019				Fiscal Year 2018			
	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate
COLLEGE OF ARTS AND LETTERS												
Dean's Office	$ 1	$ -	$ 1	0.0%	$ 1,999	$ -	$ 1,999	0.0%	$ -	$ -	$ -	0.0%
Art	1,759	-	1,759	0.0%	-	-	-	0.0%	-	-	-	0.0%
English	147,486	6,297	153,783	4.3%	120,525	6,276	126,801	5.2%	100,876	5,887	106,763	5.8%
History	29,977	7,794	37,771	26.0%	9,276	7,738	17,014	83.4%	75,116	-	75,116	0.0%
Philosophy & Religious Studies - Cybersecurity	10,872	5,529	16,401	50.9%	1,818	1,000	2,818	55.0%	-	-	-	0.0%
Political Science & Geography	69,156	27,867	97,023	40.3%	58,723	15,675	74,398	26.7%	55,679	21,528	77,207	38.7%
Social Science Research Center	134,253	10,473	144,726	7.8%	128,683	19,538	148,221	15.2%	189,245	19,517	208,762	10.3%
Sociology & Criminal Justice	471,492	129,803	601,295	27.5%	573,332	169,723	743,055	29.6%	646,432	119,697	766,128	18.5%
Women's Studies	-	-	-	0.0%	6,465	-	6,465	0.0%	8,255	-	8,255	0.0%
College Total	$ 864,996	$ 187,764	$ 1,052,759	21.7%	$ 900,821	$ 219,950	$ 1,120,772	24.4%	$ 1,075,603	$ 166,629	$ 1,242,231	15.5%
STROME COLLEGE OF BUSINESS												
Economics	$ 66,053	$ 5,690	$ 71,744	8.6%	$ 95,017	$ 44,863	$ 139,880	47.2%	$ 113,057	$ 10,097	$ 123,154	8.9%
Information Systems / Decision Sciences	242,252	12,570	254,822	5.2%	206,883	17,449	224,332	8.4%	62,755	32,499	95,253	51.8%
Information Systems & Decision Sciences - Cybersecurity	17,170	2,178	19,348	12.7%	64,322	14,437	78,759	22.4%	51,716	14,525	66,241	28.1%
Marketing	8,208	745	8,953	9.1%	-	-	-	0.0%	11,008	2,752	13,760	25.0%
Public Service	54,745	13,511	68,257	24.7%	35,697	8,001	43,697	22.4%	31,661	14,608	46,269	46.1%
College Total	$ 388,429	$ 34,694	$ 423,124	8.9%	$ 401,919	$ 84,749	$ 486,668	21.1%	$ 270,197	$ 74,481	$ 344,677	27.6%
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES												
Dean's Office	$ 506,302	$ -	$ 506,302	0.0%	$ 430,047	$ -	$ 430,047	0.0%	$ 498,687	$ -	$ 498,687	0.0%
Dean's Office - Cybersecurity	10,872	5,529	16,401	50.9%	1,818	1,000	2,818	55.0%	-	-	-	0.0%
Center for Education Partnerships	718,578	124,361	842,939	17.3%	444,863	34,892	479,755	7.8%	537,382	18,429	555,811	3.4%
Communication Disorders and Special Education	4,125,852	373,824	4,499,676	9.1%	3,880,395	350,816	4,231,210	9.0%	3,527,428	285,474	3,812,902	8.1%
Counseling and Human Services	407,481	15,231	422,711	3.7%	355,883	12,713	368,595	3.6%	289,571	10,396	299,968	3.6%
Counseling and Human Services - Cybersecurity	1,160	638	1,797	55.0%	-	-	-	0.0%	-	-	-	0.0%
Educational Foundations and Leadership	194,261	41,459	235,720	21.3%	139,533	46,681	186,213	33.5%	173,444	55,728	229,172	32.1%
Human Movement Sciences	191,509	15,077	206,586	7.9%	9,228	-	9,228	0.0%	30,013	53	30,066	0.2%
STEM Education and Professional Studies	53,799	9,586	63,385	17.8%	107,847	36,701	144,548	34.0%	261,567	21,515	283,082	8.2%
Teaching and Learning	325,008	70,699	395,707	21.8%	226,187	32,904	259,091	14.5%	269,854	39,000	308,853	14.5%
College Total	$ 6,534,822	$ 656,403	$ 7,191,225	10.0%	$ 5,595,800	$ 515,706	$ 6,111,506	9.2%	$ 5,587,947	$ 430,595	$ 6,018,542	7.7%

SCHEDULE 3

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

REPORT OF SPONSORED PROGRAM ACTIVITY

DIRECT COST, INDIRECT COST AND EFFECTIVE INDIRECT COST RATE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2018

	Fiscal Year 2020				Fiscal Year 2019				Fiscal Year 2018			
	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY												
Dean's Office	$ 808,261	$ 181,675	$ 989,936	22.5%	$ 983,927	$ 287,594	$ 1,271,521	29.2%	$ 424,865	$ 108,378	$ 533,243	25.5%
Civil & Environmental Engineering	604,241	138,263	742,504	22.9%	700,483	241,873	942,356	34.5%	797,222	215,904	1,013,126	27.1%
Electrical & Computer Engineering	873,965	254,378	1,128,342	29.1%	1,029,710	387,197	1,416,907	37.6%	1,020,967	448,113	1,469,081	43.9%
Electrical & Computer Engineering - ARC	317,168	90,613	407,780	28.6%	367,620	98,829	466,449	26.9%	356,225	119,532	475,757	33.6%
Electrical & Computer Engineering - Bioelectrics	1,082,253	402,279	1,484,532	37.2%	1,264,333	346,070	1,610,403	27.4%	685,184	360,301	1,045,485	52.6%
Electrical & Computer Engineering - Cybersecurity	470,001	165,253	635,254	35.2%	770,985	67,906	838,892	8.8%	58,408	7,101	65,508	12.2%
Engineering Management and Systems Engineering	450,454	240,922	691,376	53.5%	410,629	194,564	605,194	47.4%	367,836	186,724	554,560	50.8%
Engineering Management and Systems Engineering - Cybersecur	-	-	-	0.0%	300,740	-	300,740	0.0%	-	-	-	0.0%
Engineering Management and Systems Engineering - VMASC	68,990	41,843	110,832	60.7%	-	-	-	0.0%	-	-	-	0.0%
Engineering Technology	217,819	68,797	286,616	31.6%	317,150	115,835	432,985	36.5%	574,639	151,477	726,117	26.4%
Engineering Technology - VMASC	579,592	13,040	592,632	2.2%	-	-	-	0.0%	-	-	-	0.0%
Mechanical & Aerospace Engineering	1,154,238	288,621	1,442,859	25.0%	801,325	213,728	1,015,053	26.7%	745,804	266,668	1,012,472	35.8%
Mechanical & Aerospace Engineering - ARC	12,956	3,369	16,325	26.0%	-	-	-	0.0%	-	-	-	0.0%
Computation Modeling & Simulation Engineering	542,290	172,649	714,939	31.8%	1,233,990	501,809	1,735,799	40.7%	396,259	171,599	567,858	43.3%
Computation Modeling & Simulation Engineering - VMASC	901,712	434,283	1,335,995	48.2%	-	-	-	0.0%	458,142	232,108	690,251	50.7%
Computation Modeling & Simulation Engineering - Cybersecurity	26,194	13,371	39,566	51.0%	313,671	6,452	320,123	2.1%	-	-	-	0.0%
College Total	$ 8,110,133	$ 2,509,355	$ 10,619,488	30.9%	$ 8,494,563	$ 2,461,857	$ 10,956,420	29.0%	$ 5,885,552	$ 2,267,907	$ 8,153,459	38.5%
COLLEGE OF HEALTH SCIENCES												
Dean's Office	$ 27,363	$ 4,105	$ 31,468	15.0%	$ 41,227	$ 3,598	$ 44,825	8.7%	$ 17,352	$ 568	$ 17,920	3.3%
Community & Environmental Health	113,500	16,646	130,146	14.7%	167,928	35,877	203,805	21.4%	155,379	53,722	209,101	34.6%
Dental Hygiene	4,666	183	4,849	3.9%	5,764	461	6,225	8.0%	(15,216)	(5,005)	(20,221)	32.9%
Medical Diagnostic & Translational Sciences	154,511	53,295	207,806	34.5%	217,839	46,018	263,858	21.1%	364,162	63,900	428,063	17.5%
Medical Diagnostic & Translational Sciences - Bioelectrics	981,387	346,964	1,328,351	35.4%	1,433,430	597,983	2,031,413	41.7%	1,874,813	547,768	2,422,581	29.2%
Nursing	591,157	40,466	631,623	6.8%	618,705	29,029	647,734	4.7%	1,032,499	45,329	1,077,828	4.4%
Rehabilitation Sciences	50,915	2,140	53,055	4.2%	77,255	3,529	80,785	4.6%	115,783	6,267	122,050	5.4%
College Total	$ 1,923,499	$ 463,799	$ 2,387,297	24.1%	$ 2,562,149	$ 716,496	$ 3,278,645	28.0%	$ 3,544,772	$ 712,549	$ 4,257,321	20.1%

SCHEDULE 3

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

REPORT OF SPONSORED PROGRAM ACTIVITY

DIRECT COST, INDIRECT COST AND EFFECTIVE INDIRECT COST RATE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2020 THROUGH FISCAL YEAR 2018

	Fiscal Year 2020				Fiscal Year 2019				Fiscal Year 2018			
	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate	TOTAL DIRECT COSTS	TOTAL INDIRECT COSTS	TOTAL PROJECT COSTS	Effective Indirect Cost Rate
COLLEGE OF SCIENCES												
Dean's Office	$ 5,100	$ 2,703	$ 7,803	53.0%	$ 24,813	$ 13,151	$ 37,964	53.0%	$ -	$ -	$ -	0.0%
Biological Sciences	2,279,931	515,920	2,795,851	22.6%	2,236,900	518,686	2,755,586	23.2%	2,047,524	487,548	2,535,072	23.8%
Center for Coastal Physical Oceanography	807,463	248,637	1,056,101	30.8%	529,359	282,003	811,361	53.3%	579,340	243,286	822,626	42.0%
Center for Coastal Physical Oceanography - MARI	10,976	-	10,976	0.0%	40,332	80	40,412	0.2%	104,002	3,503	107,505	3.4%
Chemistry and Biochemistry	1,385,275	380,929	1,766,205	27.5%	1,814,855	578,971	2,393,826	31.9%	1,761,776	553,963	2,315,738	31.4%
Chemistry and Biochemistry - ARC	3,322	997	4,319	30.0%	3,013	904	3,917	30.0%	263	94	357	35.8%
Computer Sciences	798,511	149,403	947,914	18.7%	817,294	191,526	1,008,821	23.4%	1,160,155	378,653	1,538,808	32.6%
Computer Sciences - Cybersecurity	71,258	31,733	102,992	44.5%	312,456	5,213	317,670	1.7%	-	-	-	0.0%
Computer Sciences - VMASC	157,437	13,207	170,644	8.4%	88,513	19,024	107,538	21.5%	-	-	-	0.0%
Mathematics & Statistics	796,001	205,017	1,001,018	25.8%	719,652	195,845	915,496	27.2%	653,234	180,686	833,920	27.7%
Ocean & Earth Science	1,594,032	619,702	2,213,733	38.9%	2,086,305	753,064	2,839,369	36.1%	1,949,829	656,532	2,606,361	33.7%
Ocean & Earth Science - SSRP	-	-	-	0.0%	-	-	-	0.0%	412,654	86,810	499,463	21.0%
Physics	2,881,017	821,310	3,702,326	28.5%	3,128,475	745,921	3,874,396	23.8%	2,777,603	662,272	3,439,875	23.8%
Psychology	636,333	209,995	846,328	33.0%	567,597	156,670	724,267	27.6%	973,559	218,693	1,192,251	22.5%
College Total	$ 11,426,657	$ 3,199,553	$ 14,626,210	28.0%	$ 12,369,564	$ 3,461,059	$ 15,830,622	28.0%	$ 12,419,938	$ 3,472,039	$ 15,891,977	28.0%
OFFICE OF RESEARCH AND OTHER ACTIVITY												
Frank Reidy Research Center for Bioelectrics	$ 616,984	$ 307,239	$ 924,223	49.8%	$ 653,323	$ 310,152	$ 963,475	47.5%	$ 1,054,270	$ 473,822	$ 1,528,092	44.9%
Virginia Modeling, Analysis and Simulation Center	4,430,142	858,919	5,289,061	19.4%	3,143,126	556,211	3,699,337	17.7%	1,996,377	578,573	2,574,951	29.0%
The Graduate School	80,095	17,250	97,345	21.5%	64,446	16,663	81,109	25.9%	141,159	28,193	169,352	20.0%
Institute for Innovation & Entrepreneurship	1,018,373	166,037	1,184,410	16.3%	1,021,496	153,071	1,174,567	15.0%	1,150,599	162,446	1,313,045	14.1%
Miscellaneous ODU Units	828,832	89,243	918,075	10.8%	746,229	86,436	832,665	11.6%	784,646	75,012	859,658	9.6%
Miscellaneous ODU Units - Cybersecurity	270,405	99,599	370,004	36.8%	166,577	50,424	217,001	30.3%	151,910	33,018	184,928	21.7%
College Total Other Units	$ 7,244,830	$ 1,538,287	$ 8,783,118	21.2%	$ 5,795,196	$ 1,172,958	$ 6,968,154	20.2%	$ 5,278,960	$ 1,351,065	$ 6,630,025	25.6%
TOTAL UNIVERSITY ACTIVITY	$ 36,493,366	$ 8,589,855	$ 45,083,221	23.5%	$ 36,120,012	$ 8,632,775	$ 44,752,787	23.9%	$ 34,062,968	$ 8,475,264	$ 42,538,233	24.9%
AFFILIATED ACTIVITY												
Virginia Space Grant Consortium	3,048,175	192,573	3,240,748	6.3%	3,278,671	207,546	3,486,217	6.3%	3,274,896	210,945	3,485,841	6.4%
Virginia Tidewater Consortium for Higher Education	503,489	38,418	541,907	7.6%	615,601	46,456	662,057	7.5%	534,687	41,454	576,141	7.8%
TOTAL AFFILIATED ACTIVITY	$ 3,551,664	$ 230,991	$ 3,782,655	13.9%	$ 3,894,272	$ 254,002	$ 4,148,274	13.9%	$ 3,809,584	$ 252,398	$ 4,061,982	14.2%
GRAND TOTAL	$ 40,045,030	$ 8,820,847	$ 48,865,876	22.0%	$ 40,014,284	$ 8,886,777	$ 48,901,061	22.2%	$ 37,872,552	$ 8,727,663	$ 46,600,215	23.0%

SSRP= self supporting research program

SCHEDULE 4

Sponsored Program Activity

Individual Project Listing

Fiscal Year 2020

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
ARTS AND LETTERS												
Dean's Office												
200279-010	NORFOLK COMMISSION ON THE ARTS & HUMANITIES	STRAWN, C.	-	-	-	1	1	-	-	1		TRAD
			-	-	-	1	1	-	-	1	0.00%	
Art												
200299-010	VA COMMISSION OF THE ARTS	BAYLOR, B.	1,309	450	-	-	1,759	-	-	1,759		TRAD
			1,309	450	-	-	1,759	-	-	1,759	0.00%	
English												
400350-010	NATIONAL COUNCIL OF TEACHERS OF ENGLISH	FOWLER-AMATO, M.	-	2,500	-	-	2,500	-	-	2,500		TRAD
200312-010	HAMPTON ROADS PLANNING DISTRICT COMMISSION	RICHARDS, D.	21,091	-	-	(91)	21,000	-	-	21,000		
300396-010	* OLD DOMINION UNIVERSITY	ZAREVA, A.	47,321	31,392	-	45,273	123,986	6,297	-	130,283		TRAD
			68,412	33,892	-	45,182	147,486	6,297	-	153,783	4.27%	
History												
600219-010	NORWEGIAN MARITIME MUSEUM	HEIDBRINK, I.	29,977	-	-	-	29,977	7,794	-	37,771		TRAD
			29,977	-	-	-	29,977	7,794	-	37,771	26.00%	
Philosophy & Religious Studies - Cybersecurity												
100799-010	* NATIONAL SECURITY AGENCY	WITTKOWER, D.	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
			7,082	2,970	-	820	10,872	5,529	-	16,401	50.85%	
Political Science and Geography												
400394-010	VIRGINIA GEOGRAPHIC ALLIANCE	ADAMS, F.	1,145	1,050	-	-	2,195	-	-	2,195		TRAD
300543-010	* OLD DOMINION UNIVERSITY	ALLEN, M.	18,156	6,345	-	1,282	25,783	13,476	-	39,258		TRAD
400392-010	VIRGINIA GEOGRAPHIC ALLIANCE	ALLEN, M.	-	2,971	-	3,105	6,076	-	-	6,076		TRAD
300526-010	VA INSTITUTE OF MARINE SCIENCE (VIMS)	ALLEN, T.	20,449	-	-	-	20,449	11,247	-	31,696		TRAD
300565-010	EAST CAROLINA STATE UNIVERSITY	ALLEN, T.	7,826	-	-	-	7,826	1,370	-	9,196		TRAD
400361-010	WILDLIFE MANAGEMENT INSTITUTE	ALLEN, T.	6,827	-	-	-	6,827	1,775	-	8,602		TRAD
			54,403	10,366	-	4,386	69,156	27,867	-	97,023	40.30%	
Sociology and Criminal Justice												
100640-010	NATIONAL INSTITUTE OF JUSTICE	DAI, M.	34,892	10,209	-	-	45,101	24,805	-	69,906		TRAD
100792-010	NATIONAL INSTITUTE OF JUSTICE	DAI, M.	56,404	29,283	-	15,506	101,193	47,128	-	148,321		TRAD
200248-010	* VIRGINIA OFFICE OF THE ATTORNEY GENERAL	GAINEY, R.	4,067	-	-	-	4,067	1,057	-	5,125		TRAD
300519-010	* EASTERN VIRGINIA MEDICAL SCHOOL	GAINEY, R.	842	149	-	0	991	-	-	991		TRAD
200248-010	* VIRGINIA OFFICE OF THE ATTORNEY GENERAL	TRIPLETT, R.	4,067	-	-	-	4,067	1,057	-	5,125		TRAD
100581-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	YANG, X.	92,903	8,470	-	214,700	316,073	55,755	-	371,828		TRAD
			193,176	48,111	-	230,206	471,492	129,803	-	601,295	27.53%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Social Science Research Center												
200269-010	VIRGINIA BEACH DEPARTMENT OF PUBLIC HEALTH	VANDECAR-BURDIN, T.	-	-	-	0	0	-	-	0		SSRC
200295-010	CITY OF CHESAPEAKE	VANDECAR-BURDIN, T.	1,120	548	-	-	1,668	917	-	2,586		SSRC
200296-010	VA DEPARTMENT OF BEHAVIORAL HEALTH AND DEV	VANDECAR-BURDIN, T.	27,214	7,949	-	-	35,163	1,758	-	36,921		SSRC
200296-020	VA DEPARTMENT OF BEHAVIORAL HEALTH AND DEV	VANDECAR-BURDIN, T.	703	-	-	-	703	35	-	738		SSRC
200301-010	CITY OF CHESAPEAKE	VANDECAR-BURDIN, T.	2,034	-	-	0	2,034	529	-	2,563		SSRC
200311-010	CITY OF VIRGINIA BEACH	VANDECAR-BURDIN, T.	1,027	-	-	51	1,078	-	-	1,078		SSRC
200322-010	VA DEPARTMENT OF SOCIAL SERVICES	VANDECAR-BURDIN, T.	13,658	409	-	-	14,067	1,407	-	15,474		SSRC
300513-010	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	9,002	2,827	-	-	11,828	591	-	12,420		SSRC
300521-010	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	10,882	510	-	-	11,392	-	-	11,392		SSRC
300575-010	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	9,723	7,148	-	-	16,871	844	-	17,714		SSRC
300600-010	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	117	6,300	-	-	6,417	-	-	6,417		SSRC
400371-010	AMERICAN SOCIETY OF BIOMECHANICS	VANDECAR-BURDIN, T.	291	-	-	-	291	160	-	451		SSRC
400411-010	VIRGINIA ARTS FESTIVAL	VANDECAR-BURDIN, T.	4,127	-	-	0	4,128	1,073	-	5,201		SSRC
400447-010	CENTER FOR MIND AND CULTURE	VANDECAR-BURDIN, T.	809	-	-	-	809	121	-	930		SSRC
200248-010	* VIRGINIA OFFICE OF THE ATTORNEY GENERAL	VANDECAR-BURDIN, T.	4,190	-	-	-	4,190	1,090	-	5,280		SSRC
300356-040	* OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	5,926	674	-	-	6,600	528	-	7,129		SSRC
300519-010	* EASTERN VIRGINIA MEDICAL SCHOOL	VANDECAR-BURDIN, T.	7,579	1,340	-	0	8,919	-	-	8,919		SSRC
300574-010	* OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	3,466	336	-	-	3,802	304	-	4,106		SSRC
300577-010	* OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	4,292	-	-	-	4,292	1,116	-	5,408		SSRC
			106,161	28,040	-	51	134,253	10,473	-	144,726	7.80%	
TOTAL ARTS AND LETTERS			**$ 460,520**	**$ 123,829**	**$ -**	**$ 280,647**	**$ 864,996**	**$ 187,764**	**$ -**	**$ 1,052,759**	**21.71%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
STROME COLLEGE OF BUSINESS												
Economics												
300566-010	UNIVERSITY OF VIRGINIA	AGARWAL, V.	-	1,444	-	-	1,444	375	-	1,820		TRAD
300566-011 *	UNIVERSITY OF VIRGINIA	AGARWAL, V.	7,078	-	-	-	7,078	1,840	-	8,918		TRAD
200313-010	VIRGINIA ISRAEL ADVISORY BOARD	MCNAB, R.	21,942	275	-	-	22,217	-	-	22,217		TRAD
300520-010	GEORGE MASON UNIVERSITY	MCNAB, R.	11,146	586	-	13	11,746	1,174	-	12,920		TRAD
300566-011 *	UNIVERSITY OF VIRGINIA	MCNAB, R.	8,847	-	-	-	8,847	2,300	-	11,148		TRAD
400435-010	REINVENT HAMPTON ROADS	MCNAB, R.	14,721	-	-	-	14,721	-	-	14,721		TRAD
			63,735	2,305	-	13	66,053	5,690	-	71,744	8.61%	
Information Systems / Decision Sciences												
100731-010	NATIONAL SCIENCE FOUNDATION	HE, W.	214,500	-	-	-	214,500	-	-	214,500		TRAD
100673-010 *	NATIONAL SCIENCE FOUNDATION	LI, L.	6,228	1,065	-	622	7,915	4,011	-	11,926		TRAD
100621-010	NATIONAL SCIENCE FOUNDATION	XU, L.	8,269	-	-	3,653	11,922	4,548	-	16,470		TRAD
100673-010 *	NATIONAL SCIENCE FOUNDATION	XU, L.	6,228	1,065	-	622	7,915	4,011	-	11,926		TRAD
			235,225	2,130	-	4,897	242,252	12,570	-	254,822	5.19%	
Information Systems & Decision Sciences - CYBERSECURITY												
100648-010 *	NATIONAL SCIENCE FOUNDATION	HE, W.	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
			1,502	2,457	-	13,211	17,170	2,178	-	19,348	12.68%	
Marketing												
300535-010 *	DUKE UNIVERSITY	TANG, C.	4,849	359	-	-	5,208	625	-	5,833		TRAD
300535-011 *	DUKE UNIVERSITY	TANG, C.	-	3,000	-	-	3,000	120	-	3,120		TRAD
			4,849	3,359	-	-	8,208	745	-	8,953	9.08%	
Public Service												
200246-020 *	CITY OF VIRGINIA BEACH	NICULA, J.	1,073	17	-	-	1,090	283	-	1,373		TRAD
300534-010	UNIVERSITY OF VIRGINIA	YUSUF, J.	20,311	-	-	-	20,311	-	-	20,311		TRAD
100625-010 *	NATIONAL SCIENCE FOUNDATION	YUSUF, J.	4,860	76	-	-	4,936	2,715	-	7,650		TRAD
100824-010 *	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	YUSUF, J.	11,586	570	-	-	12,156	6,686	-	18,841		TRAD
200246-020 *	CITY OF VIRGINIA BEACH	YUSUF, J.	1,073	17	-	-	1,090	283	-	1,373		TRAD
300366-010 *	UNIVERSITY OF NORTH CAROLINA	YUSUF, J.	5,964	480	-	-	6,444	3,544	-	9,988		TRAD
300471-010 *	VA INSTITUTE OF MARINE SCIENCE (VIMS)	YUSUF, J.	6,867	1,853	-	-	8,720	-	-	8,720		TRAD
			51,734	3,012	-	-	54,745	13,511	-	68,257	24.68%	
TOTAL STROME COLLEGE OF BUSINESS			**$ 357,044**	**$ 13,263**	**$ -**	**$ 18,121**	**$ 388,429**	**$ 34,694**	**$ -**	**$ 423,124**	8.93%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES												
Dean's Office												
300360-040	* OLD DOMINION UNIVERSITY	BARBER, M.	3,405	3,960	-	28,893	36,258	-	-	36,258		TRAD
300360-050	* OLD DOMINION UNIVERSITY	BARBER, M.	6,416	-	-	-	6,416	-	-	6,416		TRAD
300360-810	OLD DOMINION UNIVERSITY	BARBER, M.	-	2,282	-	-	2,282	-	-	2,282		TRAD
300478-020	OLD DOMINION UNIVERSITY	BARBER, M.	-	3,137	-	112,660	115,796	-	-	115,796		TRAD
300360-810	OLD DOMINION UNIVERSITY	BRAY, J.	-	888	-	140	1,028	-	-	1,028		TRAD
300360-040	* OLD DOMINION UNIVERSITY	BRAY, J.	1,703	1,980	-	14,446	18,129	-	-	18,129		TRAD
300478-010	* OLD DOMINION UNIVERSITY	BRAY, J.	-	-	-	4,007	4,007	-	-	4,007		TRAD
300360-040	* OLD DOMINION UNIVERSITY	BURRELL-CRAFT, K.	25,539	29,698	-	216,696	271,933	-	-	271,933		TRAD
300360-050	* OLD DOMINION UNIVERSITY	BURRELL-CRAFT, K.	6,416	-	-	-	6,416	-	-	6,416		TRAD
300478-010	* OLD DOMINION UNIVERSITY	BURRELL-CRAFT, K.	-	-	-	3,889	3,889	-	-	3,889		TRAD
400389-010	THE UP CENTER	DICE, T.	(0)	-	-	-	(0)	-	-	(0)		TRAD
300360-040	* OLD DOMINION UNIVERSITY	DICKINSON, G.	3,405	3,960	-	28,893	36,258	-	-	36,258		TRAD
300478-010	* OLD DOMINION UNIVERSITY	DICKINSON, G.	-	-	-	3,889	3,889	-	-	3,889		TRAD
			46,885	45,904	-	413,513	506,302	-	-	506,302	0.00%	
Dean's Office - Cybersecurity												
100799-010	* NATIONAL SECURITY AGENCY	DICE, T.	7,082	2,970	-	820	10,872	5,528.61	-	16,401		CYBER
			7,082	2,970	-	820	10,872	5,529	-	16,401	50.85%	
Center for Educational Partnerships												
200210-010	* NEWPORT NEWS PUBLIC SCHOOLS	ARNOLD-PUCHALSKI, P.	-	-	-	1,263	1,263	-	-	1,263		TCEP
100835-010	* U.S. DEPARTMENT OF EDUCATION	BROBST, J.	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
300502-010	* WESTERN WASHINGTON UNIVERSITY	BROBST, J.	8,031	-	-	147	8,178	431	-	8,609		TCEP
300503-010	WESTERN WASHINGTON UNIVERSITY	BROBST, J.	7,844	250	-	-	8,094	4,452	-	12,545		TCEP
300527-010	WESTERN WASHINGTON UNIVERSITY	BROBST, J.	15,955	250	-	-	16,205	8,913	-	25,118		TCEP
100721-010	* OFFICE OF NAVAL RESEARCH	CHAPPELL, S.	6,329	50	-	69,395	75,774	2,296	-	78,071		TCEP
100835-010	* U.S. DEPARTMENT OF EDUCATION	CHAPPELL, S.	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200210-010	* NEWPORT NEWS PUBLIC SCHOOLS	CHAPPELL, S.	-	-	-	421	421	-	-	421		TCEP
200213-010	* CHESAPEAKE PUBLIC SCHOOLS	CHAPPELL, S.	12,605	-	-	-	12,605	-	-	12,605		TCEP
300502-010	* WESTERN WASHINGTON UNIVERSITY	CHAPPELL, S.	8,031	-	-	147	8,178	431	-	8,609		TCEP
100826-010	SMITHSONIAN INSTITUTION	GARNER, J.	8,488	764	-	249	9,500	-	-	9,500		TCEP
200009-022	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	GARNER, J.	640	3,578	-	-	4,218	-	-	4,218		TCEP
200225-010	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	GARNER, J.	2,740	-	-	-	2,740	1,507	-	4,248		TCEP
300557-010	OKLAHOMA STATE UNIVERSITY	GARNER, J.	1,838	-	-	-	1,838	478	-	2,316		TCEP
500430-010	BIOSTL STEM COACHING, LLC, DBA: SCIENCE COAC	GARNER, J.	2,005	-	-	-	2,005	301	-	2,305		TCEP
100721-010	* OFFICE OF NAVAL RESEARCH	GARNER, J.	6,521	52	-	71,498	78,070	2,366	-	80,436		TCEP
100835-010	* U.S. DEPARTMENT OF EDUCATION	GARNER, J.	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200210-010	* NEWPORT NEWS PUBLIC SCHOOLS	GARNER, J.	-	-	-	211	211	-	-	211		TCEP
200213-010	* CHESAPEAKE PUBLIC SCHOOLS	GARNER, J.	12,605	-	-	-	12,605	-	-	12,605		TCEP
300587-010	* OLD DOMINION UNIVERSITY	GARNER, J.	10,975	2,202	-	2,255	15,432	-	-	15,432		TCEP
400346-010	* JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	GARNER, J.	57,530	-	-	400	57,930	-	-	57,930		TCEP

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100721-010	* OFFICE OF NAVAL RESEARCH	LONEY, M.	6,329	50	-	69,395	75,774	2,296	-	78,071		TCEP
100835-010	* U.S. DEPARTMENT OF EDUCATION	LONEY, M.	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200290-010	* YORK COUNTY SCHOOLS	LONEY, M.	15,531	628	-	-	16,159	808	-	16,967		TCEP
300587-010	* OLD DOMINION UNIVERSITY	LONEY, M.	14,633	2,936	-	3,007	20,576	-	-	20,576		TCEP
400346-010	* JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	LONEY, M.	86,295	-	-	600	86,895	-	-	86,895		TCEP
200210-010	* NEWPORT NEWS PUBLIC SCHOOLS	NUNNERY, J.	-	-	-	211	211	-	-	211		TCEP
100835-010	* U.S. DEPARTMENT OF EDUCATION	WEBSTER, H.	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200290-010	* YORK COUNTY SCHOOLS	WEBSTER, H.	6,656	269	-	-	6,925	346	-	7,272		TCEP
300587-010	* OLD DOMINION UNIVERSITY	WEBSTER, H.	10,975	2,202	-	2,255	15,432	-	-	15,432		TCEP
			451,492	45,631	-	221,455	718,578	124,361	-	842,939	17.31%	
Communication Disorders and Special Education												
100559-010	* U.S. DEPARTMENT OF EDUCATION	BOBZIEN, J.	12,932	-	-	60,609	73,540	1,035	-	74,575		TRAD
300506-010	* GEORGE MASON UNIVERSITY	BOBZIEN, J.	8,576	139	-	3,721	12,436	697	-	13,133		TRAD
300573-010	* GEORGE MASON UNIVERSITY	BOBZIEN, J.	-	-	-	8,440	8,440	-	-	8,440		TRAD
200169-010	OLD DOMINION UNIVERSITY	GABLE, R.	-	(100)	-	-	(100)	(8)	-	(108)		TRAD
300351-010	OLD DOMINION UNIVERSITY	GABLE, R.	-	(1,280)	-	-	(1,280)	(102)	-	(1,382)		TRAD
300449-010	OLD DOMINION UNIVERSITY	GABLE, R.	24,558	38,341	-	-	62,899	5,032	-	67,931		TRAD
200291-010	* VERMONT AGENCY OF EDUCATION	GABLE, R.	16,253	16,919	-	2,820	35,991	2,654	-	38,645		TRAD
200309-010	* NORFOLK PUBLIC SCHOOLS	GABLE, R.	23,171	325	-	-	23,496	6,109	-	29,605		TRAD
300356-040	* OLD DOMINION UNIVERSITY	GABLE, R.	14,816	1,685	-	-	16,501	1,320	-	17,821		TRAD
300456-010	* OLD DOMINION UNIVERSITY	GABLE, R.	-	33,945	-	5,033	38,979	2,716	-	41,694		TRAD
300480-010	* OLD DOMINION UNIVERSITY	GABLE, R.	178,763	52,017	-	9,965	240,744	18,462	-	259,207		TRAD
300496-010	* OLD DOMINION UNIVERSITY	GABLE, R.	110,741	5,660	-	-	116,401	9,312	-	125,713		TRAD
300499-010	* OLD DOMINION UNIVERSITY	GABLE, R.	587	-	-	-	587	47	-	634		TRAD
300500-010	* OLD DOMINION UNIVERSITY	GABLE, R.	207,895	55,047	-	16,010	278,952	21,035	-	299,987		TRAD
300500-020	* OLD DOMINION UNIVERSITY	GABLE, R.	139,886	8,715	-	5,479	154,081	11,888	-	165,969		TRAD
300501-010	* GEORGE MASON UNIVERSITY	GABLE, R.	665	369	-	1,556	2,590	83	-	2,673		TRAD
300505-010	* UNIVERSITY OF OREGON	GABLE, R.	64,321	18,921	-	-	83,242	21,643	-	104,885		TRAD
300550-010	* OLD DOMINION UNIVERSITY	GABLE, R.	10,761	2,250	-	29,957	42,968	-	-	42,968		TRAD
300552-010	* OLD DOMINION UNIVERSITY	GABLE, R.	64,183	-	-	-	64,183	5,135	-	69,317		TRAD
300560-010	* OLD DOMINION UNIVERSITY	GABLE, R.	149,896	167	-	-	150,062	12,005	-	162,067		TRAD
300560-020	* OLD DOMINION UNIVERSITY	GABLE, R.	126,990	-	-	-	126,990	10,159	-	137,149		TRAD
300563-010	* OLD DOMINION UNIVERSITY	GABLE, R.	1,643	-	-	-	1,643	131	-	1,775		TRAD
300574-010	* OLD DOMINION UNIVERSITY	GABLE, R.	20,794	2,016	-	-	22,810	1,825	-	24,635		TRAD
300578-010	* OLD DOMINION UNIVERSITY	GABLE, R.	13,353	10,743	-	-	24,096	1,928	-	26,024		TRAD
300582-010	* OLD DOMINION UNIVERSITY	GABLE, R.	2,926	5,052	-	-	7,979	638	-	8,617		TRAD
400383-010	* SASED - MIDWEST PBIS	GABLE, R.	1,846	-	-	-	1,846	480	-	2,326		TRAD
100559-010	* U.S. DEPARTMENT OF EDUCATION	GEAR, S.	13,324	-	-	62,445	75,769	1,066	-	76,835		TRAD
100601-010	* U.S. DEPARTMENT OF EDUCATION	GEAR, S.	48,301	1,090	-	6,416	55,807	12,842	-	68,649		TRAD
100559-010	* U.S. DEPARTMENT OF EDUCATION	HESTER, P.	12,932	-	-	60,609	73,540	1,035	-	74,575		TRAD
100601-010	* U.S. DEPARTMENT OF EDUCATION	HESTER, P.	96,603	2,180	-	12,832	111,615	25,683	-	137,298		TRAD
300396-010	* OLD DOMINION UNIVERSITY	JUDGE, S.	47,321	31,392	-	45,273	123,986	6,297	-	130,283		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
300524-010		OLD DOMINION UNIVERSITY	LAYDEN, S.	2,300	-	-	-	2,300	184	-	2,484		TRAD
300550-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	10,761	2,250	-	29,957	42,968	-	-	42,968		TRAD
300563-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	1,643	-	-	-	1,643	131	-	1,775		TRAD
300571-010	*	GEORGE MASON UNIVERSITY	MAYDOSZ, A.	504	-	-	979	1,483	40	-	1,523		TRAD
300573-010	*	GEORGE MASON UNIVERSITY	MAYDOSZ, A.	-	-	-	8,440	8,440	-	-	8,440		TRAD
300574-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	20,794	2,016	-	-	22,810	1,825	-	24,635		TRAD
300577-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	4,292	-	-	-	4,292	1,116	-	5,408		TRAD
300582-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	2,926	5,052	-	-	7,979	638	-	8,617		TRAD
200291-010	*	VERMONT AGENCY OF EDUCATION	MAYDOSZ, A.	16,253	16,919	-	2,820	35,991	2,654	-	38,645		TRAD
200309-010	*	NORFOLK PUBLIC SCHOOLS	MAYDOSZ, A.	23,171	325	-	-	23,496	6,109	-	29,605		TRAD
300356-040	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	14,816	1,685	-	-	16,501	1,320	-	17,821		TRAD
300499-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	587	-	-	-	587	47	-	634		TRAD
300501-010	*	GEORGE MASON UNIVERSITY	MAYDOSZ, A.	665	369	-	1,556	2,590	83	-	2,673		TRAD
300505-010	*	UNIVERSITY OF OREGON	MAYDOSZ, A.	64,321	18,921	-	-	83,242	21,643	-	104,885		TRAD
300506-010	*	GEORGE MASON UNIVERSITY	MAYDOSZ, A.	8,576	139	-	3,721	12,436	697	-	13,133		TRAD
300530-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	24,434	778	-	-	25,212	2,017	-	27,229		TRAD
300578-010	*	OLD DOMINION UNIVERSITY	MAYDOSZ, A.	13,353	10,743	-	-	24,096	1,928	-	26,024		TRAD
400383-010	*	SASED - MIDWEST PBIS	MAYDOSZ, A.	1,846	-	-	-	1,846	480	-	2,326		TRAD
300588-010		OLD DOMINION UNIVERSITY	MURPHY, K.	434	1,500	-	-	1,934	155	-	2,089		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
200291-010	* VERMONT AGENCY OF EDUCATION	TONELSON, S.	16,745	17,431	-	2,905	37,082	2,734	-	39,816		TRAD
300456-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	-	21,562	-	4,285	25,846	1,725	-	27,571		TRAD
300456-020	* OLD DOMINION UNIVERSITY	TONELSON, S.	-	12,384	-	749	13,132	991	-	14,123		TRAD
300497-010	OLD DOMINION UNIVERSITY	TONELSON, S.	-	8,213	-	496	8,709	657	-	9,366		TRAD
300516-010	OLD DOMINION UNIVERSITY	TONELSON, S.	-	36,473	-	2,397	38,870	2,918	-	41,788		TRAD
300523-010	OLD DOMINION UNIVERSITY	TONELSON, S.	-	35,240	-	32,588	67,828	2,819	-	70,647		TRAD
300531-010	OLD DOMINION UNIVERSITY	TONELSON, S.	-	13,817	-	3,060	16,877	1,105	-	17,982		TRAD
300550-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	11,087	2,318	-	30,865	44,270	-	-	44,270		TRAD
300560-020	* OLD DOMINION UNIVERSITY	TONELSON, S.	126,990	-	-	-	126,990	10,159	-	137,149		TRAD
300574-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	24,260	2,352	-	-	26,612	2,129	-	28,741		TRAD
300577-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	4,422	-	-	-	4,422	1,150	-	5,572		TRAD
300582-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	3,015	5,205	-	-	8,220	658	-	8,878		TRAD
200309-010	* NORFOLK PUBLIC SCHOOLS	TONELSON, S.	23,873	335	-	-	24,208	6,294	-	30,502		TRAD
300356-040	* OLD DOMINION UNIVERSITY	TONELSON, S.	23,705	2,697	-	-	26,402	2,112	-	28,514		TRAD
300480-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	178,763	52,017	-	9,965	240,744	18,462	-	259,207		TRAD
300496-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	110,741	5,660	-	-	116,401	9,312	-	125,713		TRAD
300499-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	604	-	-	-	604	48	-	653		TRAD
300500-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	207,895	55,047	-	16,010	278,952	21,035	-	299,987		TRAD
300500-020	* OLD DOMINION UNIVERSITY	TONELSON, S.	139,886	8,715	-	5,479	154,081	11,888	-	165,969		TRAD
300501-010	* GEORGE MASON UNIVERSITY	TONELSON, S.	685	380	-	1,603	2,668	85	-	2,754		TRAD
300505-010	* UNIVERSITY OF OREGON	TONELSON, S.	66,270	19,494	-	-	85,765	22,299	-	108,063		TRAD
300506-010	* GEORGE MASON UNIVERSITY	TONELSON, S.	8,836	143	-	3,834	12,813	718	-	13,531		TRAD
300530-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	24,434	778	-	-	25,212	2,017	-	27,229		TRAD
300552-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	64,183	-	-	-	64,183	5,135	-	69,317		TRAD
300560-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	149,896	167	-	-	150,062	12,005	-	162,067		TRAD
300563-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	1,693	-	-	-	1,693	135	-	1,829		TRAD
300571-010	* GEORGE MASON UNIVERSITY	TONELSON, S.	504	-	-	979	1,483	40	-	1,523		TRAD
300573-010	* GEORGE MASON UNIVERSITY	TONELSON, S.	-	-	-	8,696	8,696	-	-	8,696		TRAD
300578-010	* OLD DOMINION UNIVERSITY	TONELSON, S.	13,758	11,069	-	-	24,827	1,986	-	26,813		TRAD
400383-010	* SASED - MIDWEST PBIS	TONELSON, S.	1,902	-	-	-	1,902	495	-	2,396		TRAD
100673-010	* NATIONAL SCIENCE FOUNDATION	WATSON, S.	6,228	1,065	-	622	7,915	4,011	-	11,926		TRAD
300396-010	* OLD DOMINION UNIVERSITY	WATSON, S.	48,755	32,343	-	46,645	127,743	6,488	-	134,231		TRAD
			2,884,843	691,193	-	549,816	4,125,852	373,824	-	4,499,676	9.06%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Counseling and Human Services													
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	CARLISLE, K.	1,953	-	-	5,264	7,217	156	-	7,373		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	CARLISLE, K.	-	-	-	2,700	2,700	-	-	2,700		TRAD
100689-020	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	KEMER, G.	6,787	-	-	3,679	10,466	543	-	11,009		TRAD
100689-030	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	KEMER, G.	15,833	-	-	30,082	45,915	1,267	-	47,182		TRAD
100689-020	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	MOE, J.	11,635	-	-	6,306	17,941	931	-	18,872		TRAD
100689-030	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	MOE, J.	27,143	-	-	51,569	78,712	2,171	-	80,883		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	MOE, J.	976	-	-	3,982	4,959	78	-	5,037		TRAD
300349-010		EASTERN VIRGINIA MEDICAL SCHOOL	REHFUSS, M.	31,715	-	-	11,810	43,525	2,537	-	46,063		TRAD
100689-020	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	REHFUSS, M.	12,120	-	-	6,569	18,689	970	-	19,658		TRAD
100689-030	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	REHFUSS, M.	28,273	-	-	53,718	81,991	2,262	-	84,253		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	REHFUSS, M.	6,835	-	-	27,875	34,710	547	-	35,257		TRAD
300349-011	*	EASTERN VIRGINIA MEDICAL SCHOOL	REHFUSS, M.	3,429	-	-	-	3,429	274	-	3,704		TRAD
300566-011	*	UNIVERSITY OF VIRGINIA	REHFUSS, M.	5,308	-	-	-	5,308	1,380	-	6,689		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	SIMMONS, J.	1,953	-	-	7,964	9,917	156	-	10,073		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	SPARKMAN-KEY, N.	3,320	-	-	13,539	16,859	266	-	17,125		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	TARVER, S.	1,953	-	-	7,964	9,917	156	-	10,073		TRAD
100819-010	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	WINFIELD, C.	1,953	-	-	7,964	9,917	156	-	10,073		TRAD
300566-011	*	UNIVERSITY OF VIRGINIA	WINFIELD, C.	5,308	-	-	-	5,308	1,380	-	6,689		TRAD
				166,495	-	-	240,986	407,481	15,231	-	422,711	3.74%	
Counseling and Human Services - Cybersecurity													
300594-010	*	OLD DOMINION UNIVERSITY	DICE, T.	1,160	-	-	-	1,160	638	-	1,797		TRAD
				1,160	-	-	-	1,160	638	-	1,797	55.00%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Educational Foundations and Leadership												
300402-010	MICHIGAN STATE UNIVERSITY	PEREZ, A.	60,970	3,584	-	16,023	80,577	35,504	-	116,081		TRAD
400419-010	SPENCER FOUNDATION	PEREZ, A.	29,195	6,825	-	6,599	42,619	-	-	42,619		TRAD
100673-010	* NATIONAL SCIENCE FOUNDATION	PRIBESH, S.	6,228	1,065	-	622	7,915	4,011	-	11,926		TRAD
100709-010	* NATIONAL SCIENCE FOUNDATION	PRIBESH, S.	2,369	1,072	-	28,452	31,893	1,892	-	33,786		TRAD
100856-010	* NATIONAL SCIENCE FOUNDATION	SANZO, K.	93	-	-	-	93	51	-	144		TRAD
200305-010	* HALIFAX COUNTY SCHOOL	SANZO, K.	4,274	-	-	-	4,274	-	-	4,274		TRAD
200305-010	* HALIFAX COUNTY SCHOOL	SCRIBNER, J.	1,425	-	-	-	1,425	-	-	1,425		TRAD
400401-010	SPENCER FOUNDATION	WHITE, R.	15,409	10,056	-	-	25,465	-	-	25,465		TRAD
			119,963	22,602	-	51,697	194,261	41,459	-	235,720	21.34%	
Human Movement Sciences												
100829-010	* NATIONAL SCIENCE FOUNDATION	BENNETT, H.	3,354	312	-	-	3,667	2,017	-	5,683		TRAD
400398-010	* JEFFRESS RESEARCH GRANTS PROGRAM	BENNETT, H.	38,916	20,345	-	5,435	64,696	-	-	64,696		TRAD
300564-010	EAST CAROLINA STATE UNIVERSITY	HAEGELE, J.	9,089	1,266	-	39,451	49,807	828	-	50,636		TRAD
400398-010	* JEFFRESS RESEARCH GRANTS PROGRAM	HAEGELE, J.	9,729	5,086	-	1,359	16,174	-	-	16,174		TRAD
100813-010	* NATIONAL SCIENCE FOUNDATION	REYNOLDS, L.	3,927	2,014	-	-	5,941	3,268	-	9,209		TRAD
300541-001	* OLD DOMINION UNIVERSITY	ZAJCHOWSKI, C.	14,406	36,818	-	-	51,224	8,964	-	60,188		TRAD
			79,421	65,843	-	46,245	191,509	15,077	-	206,586	7.87%	
STEM Education and Professional Studies												
100599-010	* OFFICE OF NAVAL RESEARCH	ARCAUTE, K.	867	-	-	-	867	477	-	1,343		TRAD
100702-010	* NATIONAL SCIENCE FOUNDATION	ARCAUTE, K.	459	-	-	-	459	253	-	712		TRAD
300395-010	UNIVERSITY OF MARYLAND	DISCALA, J.	9,090	-	-	-	9,090	4,999	-	14,089		TRAD
100833-010	* U.S. DEPARTMENT OF EDUCATION	KATSIOLOUDIS, P.	-	-	-	-	-	-	-	-		TRAD
300567-010	* OLD DOMINION UNIVERSITY	KATSIOLOUDIS, P.	5,624	1,976	-	2,921	10,520	608	-	11,128		TRAD
300572-010	* OLD DOMINION UNIVERSITY	LUO, T.	3,054	-	-	-	3,054	-	-	3,054		TRAD
300572-010	* OLD DOMINION UNIVERSITY	MA, G.	764	-	-	-	764	-	-	764		TRAD
200300-010	VA DEPARTMENT OF EDUCATION	REED, P.	3,273	-	-	-	3,273	262	-	3,534		TRAD
300030-013	UNIVERSITY OF VIRGINIA	TOMOVIC, C.	-	-	-	(515)	(515)	-	-	(515)		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	TOMOVIC, C.	2,434	-	-	9,000	11,434	1,339	-	12,773		TRAD
300030-014	* UNIVERSITY OF VIRGINIA	TOMOVIC, C.	1,794	124	-	1,688	3,606	-	-	3,606		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	TOMOVIC, M.	2,915	81	-	8,250	11,247	1,648	-	12,895		TRAD
			30,274	2,182	-	21,344	53,799	9,586	-	63,385	17.82%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Teaching and Learning												
300570-010	* OLD DOMINION UNIVERSITY	BECK, J.	1,864	-	-	3,055	4,919	-	-	4,919		TRAD
300507-010	* OLD DOMINION UNIVERSITY	BECK. J.	71	-	-	3,574	3,645	-	-	3,645		TRAD
300488-010	* GEORGE MASON UNIVERSITY	COLWELL, J.	29,999	418	-	4,680	35,098	7,909	-	43,006		TRAD
300518-010	* OLD DOMINION UNIVERSITY	CROMPTON, H.	52,106	3,477	-	-	55,584	2,223	-	57,807		TRAD
300592-010	* OLD DOMINION UNIVERSITY	CROMPTON, H.	27,729	-	-	-	27,729	-	-	27,729		TRAD
300548-010	OLD DOMINION UNIVERSITY	ECKHOFF, A.	3,021	1,601	-	19,363	23,985	370	-	24,355		TRAD
100802-010	* NATIONAL SCIENCE FOUNDATION	ENDERSON, M .	5,640	122	-	-	5,761	3,169	-	8,930		TRAD
100802-010	* NATIONAL SCIENCE FOUNDATION	GRANT, M.	5,640	122	-	-	5,761	3,169	-	8,930		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	GUTIERREZ, K.	13,770	1,634	-	1,601	17,005	8,472	-	25,478		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	GUTIERREZ, K.	18,543	5,107	-	504	24,154	13,007	-	37,161		TRAD
300488-010	* GEORGE MASON UNIVERSITY	GUTIERREZ, K.	12,857	179	-	2,006	15,042	3,389	-	18,431		TRAD
300507-010	* OLD DOMINION UNIVERSITY	GUTIERREZ, K.	71	-	-	3,574	3,645	-	-	3,645		TRAD
300570-010	* OLD DOMINION UNIVERSITY	GUTIERREZ, K.	1,864	-	-	3,055	4,919	-	-	4,919		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	KIDD, J.	18,360	2,179	-	2,135	22,674	11,297	-	33,970		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	KIDD, J.	22,906	6,309	-	623	29,837	16,068	-	45,905		TRAD
400370-010	* ARTS MIDWEST	LEE, G.	-	-	-	1	1	0	-	1		TRAD
300507-010	* OLD DOMINION UNIVERSITY	SOMMERFELDT, J.	567	-	-	28,589	29,156	-	-	29,156		TRAD
300570-010	* OLD DOMINION UNIVERSITY	SOMMERFELDT, J.	3,728	-	-	6,110	9,838	-	-	9,838		TRAD
100832-010	NATIONAL ENDOWMENT FOR THE HUMANITIES	SUH, Y.	1,596	4,660	-	-	6,256	1,626	-	7,882		TRAD
			220,332	25,808	-	78,868	325,008	70,699	-	395,707	21.75%	
TOTAL DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES			**$ 4,007,946**	**$ 902,132**	**$ -**	**$ 1,624,743**	**$ 6,534,822**	**$ 656,403**	**$ -**	**$ 7,191,225**	**10.04%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY												
Dean's Office												
100638-010	NATIONAL SCIENCE FOUNDATION	ADAMS, S.	-	-	-	-	-	-	-	-		TRAD
100644-010	NATIONAL SCIENCE FOUNDATION	ADAMS, S.	(43)	20,269	-	117,447	137,673	11,124	-	148,797		TRAD
100734-010	NATIONAL SCIENCE FOUNDATION	ADAMS, S.	-	7,203	-	12,997	20,200	1,873	-	22,072		TRAD
300537-010	* OLD DOMINION UNIVERSITY	ARCAUTE, K.	-	-	31,145	-	31,145	-	-	31,145		TRAD
400335-010	ACS PETROLEUM RESEARCH FOUNDATION	AYALA, O.	17,888	-	-	-	17,888	-	-	17,888		TRAD
300537-010	* OLD DOMINION UNIVERSITY	DEAN, A.	-	-	218,015	-	218,015	-	-	218,015		TRAD
100599-010	* OFFICE OF NAVAL RESEARCH	DEAN, A.	2,600	-	-	-	2,600	1,430	-	4,029		TRAD
100702-010	* NATIONAL SCIENCE FOUNDATION	DEAN, A.	459	-	-	-	459	253	-	712		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	DEAN, A.	10,700	163	-	34,500	45,362	5,974	-	51,337		TRAD
100720-010	* OFFICE OF NAVAL RESEARCH	DEAN, A.	24,085	93,612	-	-	117,697	64,734	-	182,431		TRAD
100720-013	* OFFICE OF NAVAL RESEARCH	DEAN, A.	996	667	-	-	1,663	-	-	1,663		TRAD
100791-010	* OFFICE OF NAVAL RESEARCH	DEAN, A.	18,556	2,527	-	480	21,563	13,704	-	35,266		TRAD
100839-010	* OFFICE OF NAVAL RESEARCH	DEAN, A.	16,942	-	-	-	16,942	9,318	-	26,260		TRAD
100527-029	NASA GODDARD SPACEFLIGHT CENTER	LANDAETA, R.	-	-	-	4,600	4,600	-	-	4,600		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	LANDAETA, R.	5,350	81	-	17,250	22,681	2,987	-	25,668		TRAD
100720-010	* OFFICE OF NAVAL RESEARCH	LANDAETA, R.	23,141	89,941	-	-	113,082	62,195	-	175,277		TRAD
100720-013	* OFFICE OF NAVAL RESEARCH	LANDAETA, R.	957	641	-	-	1,598	-	-	1,598		TRAD
300447-010	UNIVERSITY OF VIRGINIA	LANDAETA, R.	10,447	1,578	-	15,367	27,393	3,848	-	31,241		TRAD
300485-010	* SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY	STUART, B.	6,616	1,085	-	-	7,701	4,235	-	11,936		TRAD
			138,694	217,766	249,160	202,641	808,261	181,675	-	989,936	22.48%	
Civil and Environmental Engineering												
400430-010	COASTAL COMMUNITY RESILIENCE, INC.	CETIN, M.	18,272	-	-	1,351	19,623	-	-	19,623		TRAD
200284-010	* VA TRANSPORTATION RESEARCH COUNCIL	CETIN, M.	12,943	165	-	2,489	15,598	3,408	-	19,006		TRAD
200316-010	* VA TRANSPORTATION RESEARCH COUNCIL	CETIN, M.	2,239	249	-	-	2,488	647	-	3,134		TRAD
200317-010	* VA TRANSPORTATION RESEARCH COUNCIL	CETIN, M.	12,872	-	-	-	12,872	3,347	-	16,219		TRAD
200321-010	* VA TRANSPORTATION RESEARCH COUNCIL	CETIN, M.	3,992	-	-	-	3,992	1,038	-	5,030		TRAD
300305-019	* UNIVERSITY OF VIRGINIA	CETIN, M.	4,853	-	-	-	4,853	2,669	-	7,522		TRAD
300511-010	* GEORGE MASON UNIVERSITY	CETIN, M.	26,010	1,003	-	335	27,348	7,023	-	34,371		TRAD
500382-010	* LEIDOS	CETIN, M.	11,619	-	-	-	11,619	6,390	-	18,009		TRAD
600221-010	MYONGJI UNIVERSITY	CHAE, Y.	8,458	-	-	709	9,167	5,042	-	14,210		TRAD
600226-010	KOREA ATOMIC ENERGY RESEARCH INSTITUTE	CHAE, Y.	1,105	5,930	-	-	7,035	3,869	-	10,904		TRAD
300030-014	* UNIVERSITY OF VIRGINIA	ERTEN-UNAL, M.	3,588	249	-	3,376	7,213	-	-	7,213		TRAD
300494-010	* HAMPTON UNIVERSITY	ERTEN-UNAL, M.	12,743	-	-	-	12,743	7,009	-	19,752		TRAD
200325-010	* VA TRANSPORTATION RESEARCH COUNCIL	ISHAK, S.	702	-	-	-	702	183	-	885		TRAD
400382-010	LOUISIANA TRANSPORTATION RESEARCH CENTER	ISHAK, S.	22,987	-	-	-	22,987	5,747	-	28,734		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100250-010		NATIONAL SCIENCE FOUNDATION	KUMAR, S.	1,572	-	-	-	1,572	833	-	2,405		TRAD
100250-020		NATIONAL SCIENCE FOUNDATION	KUMAR, S.	-	-	-	1,150	1,150	-	-	1,150		TRAD
100574-010		SANDIA NATIONAL LABORATORIES	KUMAR, S.	19,757	-	-	-	19,757	-	-	19,757		TRAD
100630-011		NATIONAL SCIENCE FOUNDATION	KUMAR, S.	1,497	1,774	-	1,082	4,353	1,799	-	6,153		TRAD
100836-010		NATIONAL RENEWABLE ENERGY LABORATORY	KUMAR, S.	3,135	233	-	-	3,368	-	-	3,368		TRAD
300533-010		MONTANA STATE UNIVERSITY NORTHERN	KUMAR, S.	16,351	471	-	-	16,822	7,209	-	24,031		TRAD
500141-020		TYTON BIOSCIENCES CORP. LLC	KUMAR, S.	-	-	-	7,637	7,637	1,221	-	8,858		TRAD
500402-010		ZIVO BIOSCIENCE	KUMAR, S.	212	3,295	-	-	3,507	1,929	-	5,436		TRAD
600228-010		NATIONAL RESEARCH COUNCIL CANADA	KUMAR, S.	2,184	-	-	-	2,184	-	-	2,184		TRAD
100593-010	*	NATIONAL SCIENCE FOUNDATION	KUMAR, S.	2,085	2,315	-	23,586	27,986	2,420	-	30,406		TRAD
100630-010	*	NATIONAL SCIENCE FOUNDATION	KUMAR, S.	-	3,698	-	223	3,921	2,034	-	5,956		TRAD
100847-010	*	NATIONAL SCIENCE FOUNDATION	KUMAR, S.	-	57	-	-	57	31	-	89		TRAD
300485-010	*	SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY	KUMAR, S.	26,464	4,339	-	-	30,803	16,942	-	47,744		TRAD
100544-010		NATIONAL SCIENCE FOUNDATION	MA, G.	-	1,590	-	-	1,590	842	-	2,432		TRAD
300482-010		MICHIGAN TECH UNIVERSITY	MA, G.	9,012	-	-	-	9,012	4,956	-	13,968		TRAD
200304-010		HAMPTON ROADS SANITATION DISTRICT COMMISSIC	SCHAFRAN, G.	70,046	3,382	-	19,212	92,640	18,357	-	110,997		TRAD
500408-010		HAZEN AND SAWYER, P.C.	SCHAFRAN, G.	15,716	4,342	-	-	20,058	5,015	-	25,073		TRAD
100630-010	*	NATIONAL SCIENCE FOUNDATION	STUART, B.	-	1,849	-	112	1,961	1,017	-	2,978		TRAD
300435-010		VA INSTITUTE OF MARINE SCIENCE (VIMS)	TAHVILDARI, N.	803	101	-	583	1,488	-	-	1,488		TRAD
400413-010		JEFFRESS RESEARCH GRANTS PROGRAM	TAHVILDARI, N.	41,544	2,720	18,590	-	62,854	-	-	62,854		TRAD
500408-011		HAZEN AND SAWYER, P.C.	TAHVILDARI, N.	18,546	2,272	-	-	20,818	5,205	-	26,023		TRAD
100653-010		NATIONAL SCIENCE FOUNDATION	WANG, X.	5,963	6,590	-	40,550	53,103	3,264	-	56,367		TRAD
100699-010		STRATEGIC ENVIRONMENTAL RESEARCH & DEVELC	WANG, X.	8,053	-	-	7,713	15,766	8,237	-	24,003		TRAD
200328-010		CITY OF VIRGINIA BEACH	WANG, X.	8,041	19	-	-	8,061	2,096	-	10,156		TRAD
300448-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	WANG, X.	11,357	244	-	1,695	13,296	3,016	-	16,312		TRAD
300486-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	WANG, X.	8,181	1,232	-	-	9,413	2,447	-	11,861		TRAD
300538-010		VIRGINIA WESLEYAN COLLEGE	WANG, X.	-	1,208	-	-	1,208	-	-	1,208		TRAD
200316-010	*	VA TRANSPORTATION RESEARCH COUNCIL	XIE, K.	4,030	448	-	-	4,478	1,164	-	5,642		TRAD
200317-010	*	VA TRANSPORTATION RESEARCH COUNCIL	XIE, K.	6,436	-	-	-	6,436	1,673	-	8,109		TRAD
200325-010	*	VA TRANSPORTATION RESEARCH COUNCIL	XIE, K.	702	-	-	-	702	183	-	885		TRAD
				424,072	49,775	18,590	111,804	604,241	138,263	-	742,504	22.88%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Electrical and Computer Engineering												
500420-010	GREAT LAKES SYSTEMS AND TECHNOLOGY	BELFORE, L.	5,649	440	68,772	-	74,862	3,349	-	78,212		TRAD
100256-010	* NATIONAL SCIENCE FOUNDATION	CHEN, C.	-	(2)	-	-	(2)	(1)	-	(3)		TRAD
100256-010	* NATIONAL SCIENCE FOUNDATION	DHALI, S.	-	(3)	-	-	(3)	(2)	-	(5)		TRAD
100820-010	U.S. DEPARTMENT OF ENERGY	DHALI, S.	5,017	1,119	-	-	6,136	3,375	-	9,511		TRAD
400376-010	* COMMONWEALTH CENTER FOR ADVANCED MANUF/	DHALI, S.	15,398	5,945	-	0	21,343	11,738	-	33,081		TRAD
500426-010	* DURO WORKFORCE	DHALI, S.	8,738	-	-	-	8,738	2,272	-	11,010		TRAD
400345-010	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	GONZALEZ, O.	42,703	4,276	-	5,943	52,922	12,215	-	65,137		TRAD
100737-010	NATIONAL SCIENCE FOUNDATION	GRAY, W.	49,529	4,453	-	7,982	61,964	29,690	-	91,654		TRAD
100594-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	IFTEKHARUDDIN, K.	80,027	12,204	-	62,589	154,821	50,727	-	205,548		TRAD
100594-020	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	IFTEKHARUDDIN, K.	-	446	-	-	446	245	-	691		TRAD
100594-030	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	IFTEKHARUDDIN, K.	41,940	25,000	-	56,594	123,533	36,817	-	160,350		TRAD
100594-040	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	IFTEKHARUDDIN, K.	602	3,267	-	-	3,869	2,128	-	5,997		TRAD
100659-010	ARMY CONTRACTING COMMAND	IFTEKHARUDDIN, K.	34,866	4,492	-	83,399	122,757	21,647	-	144,404		TRAD
100720-011	OFFICE OF NAVAL RESEARCH	IFTEKHARUDDIN, K.	992	591	(1,504)	-	79	-	-	79		TRAD
100720-017	OFFICE OF NAVAL RESEARCH	IFTEKHARUDDIN, K.	20,613	9,437	-	-	30,050	-	-	30,050		TRAD
100838-010	* NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, K.	-	75	-	-	75	41	-	116		TRAD
300305-019	* UNIVERSITY OF VIRGINIA	IFTEKHARUDDIN, K.	3,971	-	-	-	3,971	2,184	-	6,155		TRAD
300525-010	OHIO STATE UNIVERSITY	IFTEKHARUDDIN, K.	13,323	3,370	24,264	1,892	42,849	1,669	-	44,518		TRAD
400346-027	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	IFTEKHARUDDIN, K.	3,929	-	-	-	3,929	-	-	3,929		TRAD
400346-044	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	IFTEKHARUDDIN, K.	6,793	-	-	-	6,793	-	-	6,793		TRAD
500312-030	APPLIED RESEARCH LLC	LI, J.	54,765	3,970	-	8,606	67,340	32,304	-	99,644		TRAD
500431-010	APPLIED RESEARCH LLC	LI, J.	6,705	-	-	-	6,705	4,358	-	11,064		TRAD
100656-010	* NASA GODDARD SPACEFLIGHT CENTER	LI, J.	36,489	2,123	-	546	39,158	21,237	-	60,395		TRAD
100256-010	* NATIONAL SCIENCE FOUNDATION	MARSILLAC, S.	-	(3)	-	-	(3)	(2)	-	(4)		TRAD
300428-010	COLORADO SCHOOL OF MINES	MARSILLAC, S.	5,201	(4,480)	-	-	720	396	-	1,116		TRAD
300436-010	COLORADO SCHOOL OF MINES	MARSILLAC, S.	9,347	14,392	-	-	23,739	13,057	-	36,796		TRAD
100833-010	* U.S. DEPARTMENT OF EDUCATION	VAHALA, L.	-	-	-	-	-	-	-	-		TRAD
300567-010	* OLD DOMINION UNIVERSITY	VAHALA, L.	5,624	1,976	-	2,921	10,520	608	-	11,128		TRAD
500413-010	SEMICYBER, LLC	VAHALA, L.	6,653	-	-	-	6,653	4,324	-	10,977		TRAD
			458,873	93,087	91,532	230,472	873,965	254,378	-	1,128,342	29.11%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Electrical and Computer Engineering - Applied Research Center												
400346-026	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	BAUMGART, H.	14,159	-	-	-	14,159	-	-	14,159		ARC
400346-028	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	BAUMGART, H.	13,500	-	-	-	13,500	-	-	13,500		ARC
400346-043	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	BAUMGART, H.	13,637	-	-	-	13,637	-	-	13,637		ARC
100567-020	LANGLEY RESEARCH CENTER	ELSAYED-ALI, H.	1,345	-	-	-	1,345	350	-	1,694		ARC
100674-010	NATIONAL SCIENCE FOUNDATION	ELSAYED-ALI, H.	45,259	1,248	-	-	46,507	25,579	-	72,086		ARC
300467-010	UNIVERSITY OF VIRGINIA	ELSAYED-ALI, H.	5,831	676	-	218	6,725	-	-	6,725		ARC
400346-011	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	ELSAYED-ALI, H.	29,299	606	-	-	29,905	-	-	29,905		ARC
400434-010	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	ELSAYED-ALI, H.	-	210	-	-	210	-	-	210		ARC
500369-010	EVERGREEN TECHNOLOGIES, LLC	ELSAYED-ALI, H.	11,548	10,219	-	-	21,767	5,659	-	27,426		ARC
500374-010	II-VI INFARED, INC.	ELSAYED-ALI, H.	27,622	-	-	-	27,622	7,182	-	34,804		ARC
500378-010	FACE CONSTRUCTION TECHNOLOGIES	ELSAYED-ALI, H.	27,115	1,099	-	-	28,213	15,517	-	43,730		ARC
500380-010	MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	-	1,966	-	434	2,400	-	-	2,400		ARC
500405-010	MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	12,055	2,697	-	-	14,752	-	-	14,752		ARC
500415-010	MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	-	5,317	-	-	5,317	-	-	5,317		ARC
500428-010	MIL-SPEC ABRASIVES, LLC	ELSAYED-ALI, H.	-	200	-	-	200	110	-	310		ARC
200272-010	* CENTER FOR INNOVATIVE TECHNOLOGY	ELSAYED-ALI, H.	20,996	8,903	-	-	29,898	8,970	-	38,868		ARC
100256-010	* NATIONAL SCIENCE FOUNDATION	MARSILLAC, S.	-	(3)	-	-	(3)	(2)	-	(4)		ARC
300428-010	COLORADO SCHOOL OF MINES	MARSILLAC, S.	5,201	(4,480)	-	-	720	396	-	1,116		ARC
300436-010	COLORADO SCHOOL OF MINES	MARSILLAC, S.	27,536	14,745	-	-	42,281	23,255	-	65,536		ARC
300392-010	NORFOLK STATE UNIVERSITY	NAMKOONG, G.	6,549	-	-	-	6,549	3,602	-	10,151		ARC
600211-010	SAMIL TECH COMPANY, LTD	NAMKOONG, G.	4,726	324	-	-	5,050	-	-	5,050		ARC
100256-010	* NATIONAL SCIENCE FOUNDATION	NAMKOONG, G.	-	(9)	-	-	(9)	(5)	-	(14)		ARC
100527-028	NASA GODDARD SPACEFLIGHT CENTER	NAMKOONG, G.	3,006	3,417	-	-	6,423	-	-	6,423		ARC
			269,383	47,133	-	652	317,168	90,613	-	407,780	28.57%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Electrical and Computer Engineering - Center for Bioelectrics												
300474-010	OLD DOMINION UNIVERSITY	BULYSHEVA, A.	13,135	35,278	41,955	123,750	214,118	14,524	-	228,641		CBE
500417-010	EMBODY	BULYSHEVA, A.	23,210	3,940	-	-	27,150	14,933	-	42,083		CBE
100517-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BULYSHEVA, A.	814	1,530	-	-	2,345	1,243	-	3,587		CBE
300487-010	* OLD DOMINION UNIVERSITY	BULYSHEVA, A.	15,608	21,567	-	12,545	49,721	11,153	-	60,874		CBE
500381-010	* LIFENET	BULYSHEVA, A.	21,356	21,311	-	1,758	44,426	12,800	-	57,226		CBE
100661-010	AIR FORCE RESEARCH LABORATORY	JIANG, C.	58,397	11,059	-	-	69,456	38,201	-	107,656		CBE
300595-010	UNIVERSITY OF SOUTH FLORIDA	JIANG, C.	5,896	-	-	-	5,896	3,243	-	9,138		CBE
100732-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	JIANG, C.	26,308	11,597	-	2,573	40,478	20,848	-	61,326		CBE
100740-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	JIANG, C.	15,670	2,333	-	-	18,003	9,902	-	27,904		CBE
100804-010	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	14,082	803	-	-	14,885	7,889	-	22,775		CBE
100807-010	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	24,362	-	-	-	24,362	13,399	-	37,762		CBE
100809-010	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	32,387	666	-	-	33,053	18,179	-	51,232		CBE
100823-010	UNITED STATES ARMY MEDICAL RESEARCH AND MA	SLAUGHTER, G.	143,617	26,600	-	12,605	182,822	90,215	-	273,037		CBE
100548-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	XIAO, S.	7,249	915	1,787	-	9,951	4,490	-	14,442		CBE
300479-010	* VIRGINIA COMMONWEALTH UNIVERSITY	XIAO, S.	77	101	-	-	179	-	-	179		CBE
300345-011	OLD DOMINION UNIVERSITY	XIAO, S.	112,785	12,548	20,917	-	146,250	68,933	-	215,183		CBE
300345-013	* OLD DOMINION UNIVERSITY	XIAO, S.	5,264	1,243	-	-	6,507	3,579	-	10,086		CBE
100548-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	ZEMLIN, C.	57,994	7,320	14,297	-	79,611	35,923	-	115,534		CBE
300487-010	* OLD DOMINION UNIVERSITY	ZEMLIN, C.	15,608	21,567	-	12,545	49,721	11,153	-	60,874		CBE
400333-010	AMERICAN HEART ASSOCIATION	ZEMLIN, C.	931	-	-	1,829	2,760	-	-	2,760		CBE
500359-010	ATRICURE, INC	ZEMLIN, C.	-	16,134	-	-	16,134	8,874	-	25,008		CBE
500381-010	* LIFENET	ZEMLIN, C.	21,356	21,311	-	1,758	44,426	12,800	-	57,226		CBE
			616,107	217,826	78,956	169,363	1,082,253	402,279	-	1,484,532	37.17%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Electrical and Computer Engineering - Center for Cybersecurity												
100648-010	* NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, K.	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100648-010	* NATIONAL SCIENCE FOUNDATION	LI, J.	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100612-010	NATIONAL SCIENCE FOUNDATION	WU, H.	44,211	9,218	-	1,221	54,649	29,386	-	84,035		CYBER
100709-010	* NATIONAL SCIENCE FOUNDATION	WU, H.	2,369	1,072	-	28,452	31,893	1,892	-	33,786		CYBER
100723-010	* NATIONAL SCIENCE FOUNDATION	WU, H.	25,049	-	-	1,940	26,988	13,777	-	40,765		CYBER
100745-010	* NATIONAL SCIENCE FOUNDATION	WU, H.	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100791-010	* OFFICE OF NAVAL RESEARCH	WU, H.	19,118	2,604	-	494	22,216	14,119	-	36,335		CYBER
100799-010	* NATIONAL SECURITY AGENCY	WU, H.	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100814-010	* NATIONAL SCIENCE FOUNDATION	WU, H.	16,906	4,655	-	-	21,560	11,858	-	33,418		CYBER
100833-010	* U.S. DEPARTMENT OF EDUCATION	WU, H.	-	-	-	-	-	-	-	-		CYBER
100839-010	* OFFICE OF NAVAL RESEARCH	WU, H.	17,455	-	-	-	17,455	9,600	-	27,055		CYBER
100856-010	* NATIONAL SCIENCE FOUNDATION	WU, H.	93	-	-	-	93	51	-	144		CYBER
300537-010	* OLD DOMINION UNIVERSITY	WU, H.	-	-	31,145	-	31,145	-	-	31,145		CYBER
300567-010	* OLD DOMINION UNIVERSITY	WU, H.	5,624	1,976	-	2,921	10,520	608	-	11,128		CYBER
300594-010	* OLD DOMINION UNIVERSITY	WU, H.	1,160	-	-	-	1,160	638	-	1,797		CYBER
600223-010	NATO	WU, H.	5,801	-	-	13,554	19,355	10,645	-	30,000		CYBER
100680-010	NATIONAL SCIENCE FOUNDATION	XIN, C.	32,736	1,469	-	-	34,205	18,813	-	53,018		CYBER
100680-020	NATIONAL SCIENCE FOUNDATION	XIN, C.	-	-	-	6,000	6,000	-	-	6,000		CYBER
100648-010	* NATIONAL SCIENCE FOUNDATION	XIN, C.	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100709-010	* NATIONAL SCIENCE FOUNDATION	XIN, C.	4,738	2,144	-	56,905	63,786	3,785	-	67,571		CYBER
100745-010	* NATIONAL SCIENCE FOUNDATION	XIN, C.	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100791-010	* OFFICE OF NAVAL RESEARCH	XIN, C.	18,556	2,527	-	480	21,563	13,704	-	35,266		CYBER
100799-010	* NATIONAL SECURITY AGENCY	XIN, C.	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100838-010	* NATIONAL SCIENCE FOUNDATION	XIN, C.	-	75	-	-	75	41	-	116		CYBER
100839-010	* OFFICE OF NAVAL RESEARCH	XIN, C.	16,942	-	-	-	16,942	9,318	-	26,260		CYBER
100856-010	* NATIONAL SCIENCE FOUNDATION	XIN, C.	93	-	-	-	93	51	-	144		CYBER
300594-010	* OLD DOMINION UNIVERSITY	XIN, C.	1,739	-	-	-	1,739	957	-	2,696		CYBER
			246,199	39,418	31,145	153,239	470,001	165,253	-	635,254	35.16%	
Mechanical & Aerospace Engineering												
100720-018	OFFICE OF NAVAL RESEARCH	ALBERTS, T.	36,452	8,022	-	-	44,474	-	-	44,474		TRAD
100527-035	* NASA GODDARD SPACEFLIGHT CENTER	ASH, R.	368	-	-	-	368	-	-	368		TRAD
100595-010	* NASA GODDARD SPACEFLIGHT CENTER	ASH, R.	-	-	-	10	10	-	-	10		TRAD
100827-010	NATIONAL SCIENCE FOUNDATION	ASUNDI, S.	29,778	1,961	13,349	1,300	46,388	17,457	-	63,845		TRAD
100628-010	AMES RESEARCH LABS	BAWAB, S.	-	-	-	5,444	5,444	-	-	5,444		TRAD
100599-010	* OFFICE OF NAVAL RESEARCH	BAWAB, S.	867	-	-	-	867	477	-	1,343		TRAD
100738-010	* NATIONAL SCIENCE FOUNDATION	BAWAB, S.	6,403	607	836	16,089	23,936	3,856	-	27,791		TRAD
300537-010	* OLD DOMINION UNIVERSITY	BAWAB, S.	-	-	31,145	-	31,145	-	-	31,145		TRAD
400271-009	* NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	BAWAB, S.	15,387	195	-	-	15,582	236	-	15,818		TRAD
400311-010	* CHILDREN'S HEATH FOUNDATION, INC.	BAWAB, S.	16,860	1,127	-	2,663	20,649	-	-	20,649		TRAD
400271-008	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	BAYSAL, O.	58,812	1,611	-	5,916	66,340	18,998	-	85,338		TRAD
400408-010	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	BAYSAL, O.	(2,565)	-	-	-	(2,565)	-	-	(2,565)		TRAD
400271-005	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	BRITCHER, C.	42,620	3,884	-	7,204	53,708	12,091	-	65,800		TRAD
400348-010	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	BRITCHER, C.	89,647	-	-	-	89,647	23,308	-	112,955		TRAD
500409-010	* ADVANCED AIRCRAFT COMPANY	BRITCHER, C.	681	-	-	61	742	408	-	1,150		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100599-010	* OFFICE OF NAVAL RESEARCH	GHOSH, D.	867	-	-	-	867	477	-	1,343		TRAD
100720-019	OFFICE OF NAVAL RESEARCH	GHOSH, D.	10,467	10,914	-	-	21,382	-	-	21,382		TRAD
100748-010	NATIONAL SCIENCE FOUNDATION	GHOSH, D.	21,246	1,783	-	16,026	39,055	12,666	-	51,721		TRAD
100748-020	NATIONAL SCIENCE FOUNDATION	GHOSH, D.	-	-	-	14,843	14,843	-	-	14,843		TRAD
100738-010	* NATIONAL SCIENCE FOUNDATION	GHOSH, D.	10,672	1,012	1,394	26,815	39,893	6,426	-	46,319		TRAD
400415-010	* JEFFRESS RESEARCH GRANTS PROGRAM	GHOSH, D.	19,859	5,687	-	800	26,346	-	-	26,346		TRAD
100813-010	* NATIONAL SCIENCE FOUNDATION	HAO, Z.	9,163	4,700	-	-	13,863	7,625	-	21,487		TRAD
400391-010	* CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS	HAO, Z.	4,788	772	-	-	5,560	-	-	5,560		TRAD
100256-010	* NATIONAL SCIENCE FOUNDATION	HOU, G.	-	(2)	-	-	(2)	(1)	-	(3)		TRAD
100738-010	* NATIONAL SCIENCE FOUNDATION	HOU, G.	6,403	607	836	16,089	23,936	3,856	-	27,791		TRAD
100702-010	* NATIONAL SCIENCE FOUNDATION	KAIPA, K.	459	-	-	-	459	253	-	712		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	KAIPA, K.	9,180	1,089	-	1,067	11,337	5,648	-	16,985		TRAD
300546-010	UNIVERSITY OF CINCINNATI	KAIPA, K.	29,812	-	-	-	29,812	16,397	-	46,209		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	KAIPA, K.	15,270	4,206	-	415	19,891	10,712	-	30,603		TRAD
100738-010	* NATIONAL SCIENCE FOUNDATION	KRAVCHENKO, O.	10,672	1,012	1,394	26,815	39,893	6,426	-	46,319		TRAD
400373-010	JEFFRESS RESEARCH GRANTS PROGRAM	KRAVCHENKO, O.	35,982	11,995	500	-	48,477	-	-	48,477		TRAD
400427-010	SPE COMPOSITES DIVISION	KRAVCHENKO, O.	-	-	5,000	-	5,000	-	-	5,000		TRAD
500414-010	JOHNS MANVILLE	KRAVCHENKO, O.	5,831	-	-	-	5,831	1,516	-	7,347		TRAD
500409-010	* ADVANCED AIRCRAFT COMPANY	LANDMAN, D.	681	-	-	61	742	408	-	1,150		TRAD
100560-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	MARUTHAMUTHU, V.	664	988	-	-	1,652	876	-	2,528		TRAD
100821-010	OAK RIDGE NATIONAL LABORATORY	QIAN, S.	25,701	9,915	-	14,403	50,019	9,260	-	59,279		TRAD
400415-010	* JEFFRESS RESEARCH GRANTS PROGRAM	QIAN, S.	16,248	4,653	-	654	21,555	-	-	21,555		TRAD
500407-010	VR REHAB, INC.	RINGLEB, S.	25,434	-	-	7,007	32,441	9,825	-	42,266		TRAD
500407-020	VR REHAB, INC.	RINGLEB, S.	12,626	-	-	3,543	16,169	4,545	-	20,715		TRAD
100527-035	* NASA GODDARD SPACEFLIGHT CENTER	RINGLEB, S.	368	-	-	-	368	-	-	368		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	RINGLEB, S.	22,950	2,724	-	2,668	28,342	14,121	-	42,463		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	RINGLEB, S.	18,543	5,107	-	504	24,154	13,007	-	37,161		TRAD
400311-010	* CHILDREN'S HEATH FOUNDATION, INC.	RINGLEB, S.	19,454	1,300	-	3,072	23,826	-	-	23,826		TRAD
100532-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	WRIGGERS, W.	97,996	19,704	-	-	117,700	64,735	-	182,435		TRAD
100720-015	OFFICE OF NAVAL RESEARCH	XU, T.	19,207	12,421	-	-	31,628	-	-	31,628		TRAD
500412-010	POLYK TECHNOLOGIES, LLC	XU, T.	13,502	4,596	-	-	18,098	9,954	-	28,052		TRAD
500418-010	LYNNTECH, INC.	XU, T.	4,679	2,272	-	-	6,951	4,518	-	11,469		TRAD
500418-010	LYNNTECH, INC.	XU, T.	7,558	1,813	-	-	9,371	6,091	-	15,462		TRAD
100593-010	* NATIONAL SCIENCE FOUNDATION	ZHANG, X.	2,085	2,315	-	23,586	27,986	2,420	-	30,406		TRAD
100847-010	* NATIONAL SCIENCE FOUNDATION	ZHANG, X.	-	57	-	-	57	31	-	89		TRAD
			773,677	129,049	54,454	197,058	1,154,238	288,621	-	1,442,859	25.01%	
Mechanical & Aerospace Engineering - Applied Research Center												
300591-010	VIRGINIA STATE UNIVERSITY	ELMUSTAFA, A.	12,956	-	-	-	12,956	3,369	-	16,325		ARC
			12,956	-	-	-	12,956	3,369	-	16,325	26.00%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Engineering Technology												
100630-010	* NATIONAL SCIENCE FOUNDATION	AYALA, O.	-	616	-	37	654	339	-	993		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	AYALA, O.	9,180	1,089	-	1,067	11,337	5,648	-	16,985		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	AYALA, O.	15,270	4,206	-	415	19,891	10,712	-	30,603		TRAD
400376-010	* COMMONWEALTH CENTER FOR ADVANCED MANUF	CHITIKESHI, S.	35,928	13,871	-	0	49,799	27,390	-	77,189		TRAD
500426-010	* DURO WORKFORCE	CHITIKESHI, S.	9,003	-	-	-	9,003	2,341	-	11,343		TRAD
100825-010	NATIONAL SCIENCE FOUNDATION	CONSIDINE, C.	5,393	571	-	-	5,964	1,551	-	7,514		TRAD
200246-020	* CITY OF VIRGINIA BEACH	CONSIDINE, C.	1,073	17	-	-	1,090	283	-	1,373		TRAD
300365-010	* OLD DOMINION UNIVERSITY	CONSIDINE, C.	-	-	-	18	18	3	-	21		TRAD
300494-010	* HAMPTON UNIVERSITY	CONSIDINE, C.	5,461	-	-	-	5,461	3,004	-	8,465		TRAD
500394-010	* ARCADIS ENGINEERING	CONSIDINE, C.	4,839	-	-	-	4,839	2,661	-	7,500		TRAD
100599-010	* OFFICE OF NAVAL RESEARCH	JOVANOVIC, V.	867	-	-	-	867	477	-	1,343		TRAD
100702-010	* NATIONAL SCIENCE FOUNDATION	JOVANOVIC, V.	459	-	-	-	459	253	-	712		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	JOVANOVIC, V.	7,133	109	-	23,000	30,242	3,983	-	34,225		TRAD
100833-010	* U.S. DEPARTMENT OF EDUCATION	JOVANOVIC, V.	-	-	-	-	-	-	-	-		TRAD
300030-014	* UNIVERSITY OF VIRGINIA	JOVANOVIC, V.	5,383	373	-	5,063	10,819	-	-	10,819		TRAD
300567-010	* OLD DOMINION UNIVERSITY	JOVANOVIC, V.	7,499	2,634	-	3,895	14,027	811	-	14,838		TRAD
500426-010	* DURO WORKFORCE	JOVANOVIC, V.	8,738	-	-	-	8,738	2,272	-	11,010		TRAD
100527-030	NASA GODDARD SPACEFLIGHT CENTER	KUZLU, M.	8,538	1,226	-	-	9,764	-	-	9,764		TRAD
100833-010	* U.S. DEPARTMENT OF EDUCATION	KUZLU, M.	-	-	-	-	-	-	-	-		TRAD
300567-010	* OLD DOMINION UNIVERSITY	KUZLU, M.	7,499	2,634	-	3,895	14,027	811	-	14,838		TRAD
300365-010	* OLD DOMINION UNIVERSITY	LESTER, J.	-	-	-	4	4	1	-	4		TRAD
100595-010	* NASA GODDARD SPACEFLIGHT CENTER	POPESCU, I.	-	-	-	10	10	-	-	10		TRAD
100702-010	* NATIONAL SCIENCE FOUNDATION	POPESCU, I.	459	-	-	-	459	253	-	712		TRAD
100833-010	* U.S. DEPARTMENT OF EDUCATION	POPESCU, O.	-	-	-	-	-	-	-	-		TRAD
300567-010	* OLD DOMINION UNIVERSITY	POPESCU, O.	5,624	1,976	-	2,921	10,520	608	-	11,128		TRAD
400385-010	METAL BUILIDING MANUFACTURERS ASSOCIATION (	SEEK, M.	8,946	-	-	-	8,946	4,921	-	13,867		TRAD
300365-010	* OLD DOMINION UNIVERSITY	SEEK, M.	-	-	-	14	14	2	-	17		TRAD
100599-010	* OFFICE OF NAVAL RESEARCH	TOMOVIC, M.	867	-	-	-	867	477	-	1,343		TRAD
			148,158	29,322	-	40,339	217,819	68,797	-	286,616	31.58%	
Engineering Technology - VMASC												
100725-010	OFFICE OF NAVAL RESEARCH	MICHAELI, J.	23,709	-	-	-	23,709	13,040	-	36,750		VMASC
300463-010	OLD DOMINION UNIVERSITY	MICHAELI, J.	(89,763)	(15,526)	-	-	(105,289)	-	-	(105,289)		VMASC
300463-020	OLD DOMINION UNIVERSITY	MICHAELI, J.	371,657	49,811	2,704	237,000	661,172	-	-	661,172		VMASC
			305,604	34,284	2,704	237,000	579,592	13,040	-	592,632	2.25%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Engineering Management & Systems Engineering												
100790-010	* NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	106,818	9,159	-	3,634	119,611	75,385	-	194,997		TRAD
100790-011	* NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	57,623	8,386	-	13,765	79,774	42,906	-	122,680		TRAD
100800-010	* NAVAL AIR WARFARE CENTER TSD	COLLINS, A.	16,818	178	-	885	17,881	11,048	-	28,929		TRAD
100790-010	* NAVAL SEA SYSTEMS COMMAND	COTTER, S.	25,433	2,181	-	865	28,479	17,949	-	46,428		TRAD
100790-011	* NAVAL SEA SYSTEMS COMMAND	COTTER, S.	6,403	932	-	1,529	8,864	4,767	-	13,631		TRAD
100691-010	* NATIONAL SECURITY AGENCY	GHEORGHE, A.	-	352	-	2	354	194	-	548		TRAD
300515-010	OLD DOMINION UNIVERSITY	GHEORGHE, A.	1,998	6,899	-	1	8,898	-	-	8,898		TRAD
100854-010	* OFFICE OF THE SECRETARY OF DEFENSE	GHEORGHE, A.	2,165	602	-	-	2,767	1,522	-	4,289		TRAD
300539-010	NORTH CAROLINA AGRICULTURAL AND TECHNICAL	HANDLEY, H.	21,158	-	-	-	21,158	11,637	-	32,796		TRAD
500389-010	ALION SCIENCE AND TECHNOLOGY CORPORATION	HANDLEY, H.	7,149	-	-	(0)	7,149	4,647	-	11,796		TRAD
500404-010	VOLVO TECHNOLOGY OF AMERICA, INC.	HANDLEY, H.	11,533	2,307	-	-	13,840	7,611	-	21,451		TRAD
500423-010	* VOLVO TECHNOLOGY OF AMERICA, INC.	HANDLEY, H.	7,018	-	-	-	7,018	3,860	-	10,878		TRAD
100790-011	* NAVAL SEA SYSTEMS COMMAND	HUANG, J.	12,805	1,864	-	3,059	17,728	9,535	-	27,262		TRAD
400192-000	PRIVATE SPONSOR	KEATING, C.	-	637	-	-	637	-	-	637		TRAD
100854-010	* OFFICE OF THE SECRETARY OF DEFENSE	KESKIN, O.	2,165	602	-	-	2,767	1,522	-	4,289		TRAD
100736-010	* NATIONAL SCIENCE FOUNDATION	PAZOS-LAGO, M.	18,360	2,179	-	2,135	22,674	11,297	-	33,970		TRAD
100816-010	* NATIONAL SCIENCE FOUNDATION	PAZOS-LAGO, M.	18,543	5,107	-	504	24,154	13,007	-	37,161		TRAD
100741-010	OFFICE OF NAVAL RESEARCH	PINTO, C.	26,607	-	-	-	26,607	14,634	-	41,240		TRAD
600225-010	* NATO	PINTO, C.	4,200	-	-	-	4,200	2,310	-	6,509		TRAD
100854-010	* OFFICE OF THE SECRETARY OF DEFENSE	SABZ ALI POUR, F.	2,165	602	-	-	2,767	1,522	-	4,289		TRAD
100708-010	* NATIONAL SCIENCE FOUNDATION	SIBSON, K.	7,133	109	-	23,000	30,242	3,983	-	34,225		TRAD
100691-010	* NATIONAL SECURITY AGENCY	SOUSA-POZA, A.	-	117	-	1	118	65	-	183		TRAD
100854-010	* OFFICE OF THE SECRETARY OF DEFENSE	TATAR, U.	2,165	602	-	-	2,767	1,522	-	4,289		TRAD
			358,259	42,816	-	49,379	450,454	240,922	-	691,376	53.48%	
Engineering Management & Systems Engineering - VMASC												
100790-010	* NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	45,779	3,925	-	1,558	51,262	32,308	-	83,570		VMASC
100790-011	* NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	12,805	1,864	-	3,059	17,728	9,535	-	27,262		VMASC
			58,584	5,789	-	4,616	68,990	41,843	-	110,832	60.65%	
Computation Modeling & Simulation Engineering												
100599-010	* OFFICE OF NAVAL RESEARCH	AUDETTE, M.	867	-	-	-	867	477	-	1,343		TRAD
400311-010	* CHILDREN'S HEATH FOUNDATION, INC.	AUDETTE, M.	28,533	1,907	-	4,506	34,945	-	-	34,945		TRAD
400332-010	* ALZHEIMER'S ASSOCIATION	AUDETTE, M.	12,652	2,664	-	-	15,316	1,532	-	16,847		TRAD
100790-010	* NAVAL SEA SYSTEMS COMMAND	LEATHRUM, J.	25,433	2,181	-	865	28,479	17,949	-	46,428		TRAD
100790-011	* NAVAL SEA SYSTEMS COMMAND	LEATHRUM, J.	6,403	932	-	1,529	8,864	4,767	-	13,631		TRAD
100527-027	NASA GODDARD SPACEFLIGHT CENTER	LIU, Z.	3,786	35	-	-	3,821	-	-	3,821		TRAD
500397-010	* FRONTIER TECHNOLOGY INC.	LIU, Z.	6,763	1,202	-	36	8,000	5,200	-	13,199		TRAD
100599-010	* OFFICE OF NAVAL RESEARCH	MCKENZIE, F.	867	-	-	-	867	477	-	1,343		TRAD
400391-010	* CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS	MCKENZIE, F.	43,094	6,950	-	-	50,044	-	-	50,044		TRAD
100720-016	OFFICE OF NAVAL RESEARCH	SHEN, Y.	24,786	22,748	-	-	47,534	-	-	47,534		TRAD
200321-010	* VA TRANSPORTATION RESEARCH COUNCIL	SHEN, Y.	3,992	-	-	-	3,992	1,038	-	5,030		TRAD
400332-010	* ALZHEIMER'S ASSOCIATION	SHEN, Y.	7,426	1,564	-	-	8,990	899	-	9,889		TRAD
500397-010	* FRONTIER TECHNOLOGY INC.	SHEN, Y.	6,763	1,202	-	36	8,000	5,200	-	13,199		TRAD
100695-010	AMES RESEARCH LABS	SOSONKINA, M.	87,681	3,442	-	-	91,124	50,118	-	141,242		TRAD
100797-010	AMES RESEARCH LABS	SOSONKINA, M.	26,487	-	-	-	26,487	14,568	-	41,055		TRAD
300343-020	IOWA STATE UNIVERSITY	SOSONKINA, M.	35,624	10,887	-	1,749	48,260	24,651	-	72,911		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
200318-010	VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	33,568	-	-	-	33,568	8,728	-	42,296		TRAD
200320-010	VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	27,148	106	-	-	27,254	7,086	-	34,341		TRAD
200284-010	* VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	30,200	386	-	5,809	36,394	7,952	-	44,346		TRAD
200316-010	* VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	2,687	299	-	-	2,985	776	-	3,761		TRAD
200317-010	* VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	6,436	-	-	-	6,436	1,673	-	8,109		TRAD
200321-010	* VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	5,323	-	-	-	5,323	1,384	-	6,707		TRAD
200325-010	* VA TRANSPORTATION RESEARCH COUNCIL	YANG, H.	937	-	-	-	937	244	-	1,180		TRAD
300511-010	* GEORGE MASON UNIVERSITY	YANG, H.	21,281	821	-	274	22,376	5,746	-	28,122		TRAD
500382-010	* LEIDOS	YANG, H.	3,016	-	-	-	3,016	1,659	-	4,674		TRAD
500382-010	* LEIDOS	YANG, H.	14,412	-	-	-	14,412	7,927	-	22,339		TRAD
500397-010	* FRONTIER TECHNOLOGY INC.	YANG, H.	3,381	601	-	18	4,000	2,600	-	6,600		TRAD
			469,543	57,925	-	14,822	542,290	172,649	-	714,939	31.84%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Computation Modeling & Simulation Engineering - VMASC												
100728-010	AIR FORCE MATERIAL COMMAND	SHETTY, S.	163,266	21,189	-	111,238	295,694	101,451	-	397,144		VMASC
200273-010	CENTER FOR INNOVATIVE TECHNOLOGY	SHETTY, S.	(2,033)	-	-	1,454	(579)	(610)	-	(1,190)		VMASC
300388-010	NORFOLK STATE UNIVERSITY	SHETTY, S.	48,885	-	-	-	48,885	26,887	-	75,772		VMASC
300390-010	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	68,242	43,579	-	32,565	144,385	61,501	-	205,886		VMASC
300390-020	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	18,934	-	-	-	18,934	10,413	-	29,347		VMASC
300390-030	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	20,243	-	-	-	20,243	11,133	-	31,376		VMASC
300390-040	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	30,893	-	-	-	30,893	16,991	-	47,885		VMASC
300514-010	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	44,524	-	-	-	44,524	33,560	-	78,083		VMASC
300542-010	OLD DOMINION UNIVERSITY	SHETTY, S.	16,402	627	106	5,273	22,408	9,366	-	31,774		VMASC
400358-010	SENTARA HOSPITALS	SHETTY, S.	60,134	20,399	-	-	80,533	44,293	-	124,825		VMASC
400424-010	ELECTRIC POWER RESEARCH INSTITUTE	SHETTY, S.	41,066	-	-	4,965	46,031	22,586	-	68,617		VMASC
400446-010	MITRE CORPORATION	SHETTY, S.	6,337	-	-	-	6,337	3,485	-	9,822		VMASC
500403-010	FRONTIER TECHNOLOGY INC.	SHETTY, S.	140,949	2,476	-	-	143,425	93,226	-	236,652		VMASC
			657,840	88,270	106	155,495	901,712	434,283	-	1,335,995	48.16%	
Computation Modeling & Simulation Engineering - Center for Cybersecurity												
100723-010	* NATIONAL SCIENCE FOUNDATION	SOSONKINA, M.	24,312	-	-	1,882	26,194	13,371	-	39,566		CYBER
			24,312	-	-	1,882	26,194	13,371	-	39,566	51.05%	
TOTAL BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY			**$ 4,962,263**	**$ 1,052,460**	**$ 526,647**	**$ 1,568,763**	**$ 8,110,133**	**$ 2,509,354**	**$ -**	**$ 10,619,487**	**30.94%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
COLLEGE OF HEALTH SCIENCES												
Dean's Office												
400340-010	NATIONAL ASSOCIATION RESEARCH AND EDUCATIC	VAN LUNEN, B.	14,421	11,428	-	1,514	27,363	4,105	-	31,468		TRAD
			14,421	11,428	-	1,514	27,363	4,105	-	31,468	15.00%	
Community & Environmental Health												
100689-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	ADAMS-TUFTS, K.	3,394	-	-	1,839	5,233	271	-	5,504		TRAD
100689-030	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	ADAMS-TUFTS, K.	2,648	-	-	6,638	9,286	212	-	9,498		TRAD
400362-010	* OHIO SUICIDE PREVENTION FOUNDATION	ADAMS-TUFTS, K.	386	-	-	170	556	39	-	595		TRAD
200310-010	* SUFFOLK PUBLIC SCHOOLS	AKPINAR-ELCI, M.	1,170	-	-	-	1,170	-	-	1,170		TRAD
200326-010	* SUFFOLK PUBLIC SCHOOLS	AKPINAR-ELCI, M.	99	-	-	-	99	26	-	125		TRAD
300566-011	* UNIVERSITY OF VIRGINIA	AKPINAR-ELCI, M.	3,539	-	-	-	3,539	920	-	4,459		TRAD
400395-010	* HEALTHY CHESAPEAKE	AKPINAR-ELCI, M.	8,299	3,253	-	-	11,551	386	-	11,937		TRAD
100527-031	NASA GODDARD SPACEFLIGHT CENTER	BANAEE, S.	262	-	-	-	262	-	-	262		TRAD
400414-010	VIRGINIA ACADEMY OF SCIENCE	GALADIMA, H.	1,449	-	-	-	1,449	-	-	1,449		TRAD
200310-010	* SUFFOLK PUBLIC SCHOOLS	KEKEH, M.	3,511	-	-	-	3,511	-	-	3,511		TRAD
200326-010	* SUFFOLK PUBLIC SCHOOLS	KEKEH, M.	298	-	-	-	298	77	-	375		TRAD
300566-011	* UNIVERSITY OF VIRGINIA	KEKEH, M.	5,308	-	-	-	5,308	1,380	-	6,689		TRAD
400395-010	* HEALTHY CHESAPEAKE	KEKEH, M.	1,306	2,526	-	-	3,832	-	-	3,832		TRAD
400403-010	* OBICI HEALTH CARE FOUNDATION	KEKEH, M.	6,992	727	-	-	7,719	386	-	8,105		TRAD
100620-010	U.S. DEPARTMENT OF AGRICULTURE	ZHANG, Q.	11,120	6,693	-	-	17,813	1,781	-	19,595		TRAD
100733-010	U.S. DEPARTMENT OF AGRICULTURE	ZHANG, Q.	7,308	2,302	-	-	9,610	961	-	10,571		TRAD
300416-010	OLD DOMINION UNIVERSITY	ZHANG, Q.	1,799	-	-	-	1,799	989	-	2,788		TRAD
300551-010	TUFTS UNIVERSITY	ZHANG, Q.	8,307	857	-	-	9,165	5,041	-	14,205		TRAD
100645-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	ZHANG, Q.	1,225	3,659	-	-	4,884	2,686	-	7,570		TRAD
300535-010	* DUKE UNIVERSITY	ZHANG, Q.	9,698	718	-	-	10,416	1,250	-	11,666		TRAD
300535-011	* DUKE UNIVERSITY	ZHANG, Q.	-	6,000	-	-	6,000	240	-	6,240		TRAD
			78,119	26,735	-	8,647	113,500	16,646	-	130,146	14.67%	
Dental Hygiene												
400412-010	* AMERICAN DENTAL HYGIENE ASSOCIATION	SUEDBECK, J.	557	1,823	-	-	2,379	-	-	2,379		TRAD
300349-011	* EASTERN VIRGINIA MEDICAL SCHOOL	TOLLE, S.	2,286	-	-	-	2,286	183	-	2,469		TRAD
			2,843	1,823	-	-	4,666	183	-	4,849	3.92%	
Medical Diagnostic Translation Sciences												
100796-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BRUNO, R.	25,845	17,987	-	3,762	47,594	24,108	-	71,702		TRAD
300479-010	* VIRGINIA COMMONWEALTH UNIVERSITY	BRUNO, R.	232	304	-	-	536	-	-	536		TRAD
300479-010	* VIRGINIA COMMONWEALTH UNIVERSITY	MOLLICA, P.	232	304	-	-	536	-	-	536		TRAD
300603-010	OLD DOMINION UNIVERSITY	RIETHMAN, H.	48,480	-	-	-	48,480	-	-	48,480		TRAD
400272-010	THE WISTAR INSTITUTE	RIETHMAN, H.	8,376	859	-	-	9,235	5,079	-	14,315		TRAD
100796-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	SACHS, P.	25,845	17,987	-	3,762	47,594	24,108	-	71,702		TRAD
300479-010	* VIRGINIA COMMONWEALTH UNIVERSITY	SACHS, P.	232	304	-	-	536	-	-	536		TRAD
			109,242	37,745	-	7,524	154,511	53,295	-	207,806	34.49%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Medical Diagnostic Translation Sciences - Center for Bioelectrics												
100692-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	CATRAVAS, J.	20,373	3,827	-	-	24,200	13,310	-	37,510		CBE
100789-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	CATRAVAS, J.	130,166	10,518	-	-	140,684	77,376	-	218,059		CBE
100579-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HELLER, L.	22,781	4,275	-	27,541	54,598	14,881	-	69,479		CBE
100516-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HELLER, R.	29,536	13,650	-	-	43,186	22,889	-	66,074		CBE
100517-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HELLER, R.	3,799	7,142	-	-	10,941	5,799	-	16,740		CBE
100740-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HELLER, R.	15,670	2,333	-	-	18,003	9,902	-	27,904		CBE
500226-013	* PULSE BIOSCIENCES (ELECTROBLATE)	HELLER, R.	13,549	6,382	-	-	19,931	10,962	-	30,892		CBE
100548-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	PAKHOMOV, A.	57,994	7,320	14,297	-	79,611	35,923	-	115,534		CBE
300345-010	OLD DOMINION UNIVERSITY	PAKHOMOV, A.	145,722	10,300	21,936	243,385	421,343	85,812	-	507,155		CBE
500226-014	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, A.	41,505	9,671	41,416	-	92,592	28,147	-	120,738		CBE
500226-018	* PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, A.	21,867	1,564	-	-	23,430	12,887	-	36,317		CBE
300345-013	* OLD DOMINION UNIVERSITY	PAKHOMOV, A.	42,767	10,102	-	-	52,869	29,078	-	81,948		CBE
			545,728	87,084	77,649	270,927	981,387	346,964	-	1,328,351	35.35%	
Nursing												
100669-030	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	APATOV, N.	-	-	-	18,917	18,917	-	-	18,917		TRAD
400362-010	* OHIO SUICIDE PREVENTION FOUNDATION	CRAMER, R.	7,336	-	-	3,227	10,563	734	-	11,296		TRAD
100533-030	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	FOWLER, C.	708	-	-	-	708	57	-	764		TRAD
100670-021	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GUSTIN, T.	-	1,342	-	-	1,342	107	-	1,449		TRAD
100689-030	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	GUSTIN, T.	5,269	-	-	8,403	13,672	421	-	14,093		TRAD
300544-010	OLD DOMINION UNIVERSITY	GUSTIN, T.	11,435	455	-	-	11,890	3,805	-	15,695		TRAD
300544-020	OLD DOMINION UNIVERSITY	GUSTIN, T.	5,308	-	-	-	5,308	1,699	-	7,007		TRAD
300556-012	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	GUSTIN, T.	5,765	4,728	-	-	10,493	-	-	10,493		TRAD
400404-010	* MITRE CORPORATION	GUSTIN, T.	6,092	248	-	-	6,340	1,648	-	7,988		TRAD
100533-030	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	HANEY, T.	708	-	-	-	708	57	-	764		TRAD
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HANEY, T.	14,987	-	-	25,138	40,125	1,199	-	41,324		TRAD
400368-010	* AMERICAN ASSOCIATION OF COLLEGES OF NURSIN	HANEY, T.	-	583	-	708	1,291	-	-	1,291		TRAD
100811-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	HAWKINS, J.	55,846	4,586	-	5,250	65,682	4,835	-	70,517		TRAD
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HIGGINS, K.	4,996	-	-	8,379	13,375	400	-	13,775		TRAD
100811-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	HIGGINS, K.	41,885	3,440	-	3,938	49,262	3,626	-	52,888		TRAD
400368-010	* AMERICAN ASSOCIATION OF COLLEGES OF NURSIN	KARLOWICZ, K.	-	388	-	472	860	-	-	860		TRAD
100811-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	MARTIN, J.	55,846	4,586	-	5,250	65,682	4,835	-	70,517		TRAD
400368-010	* AMERICAN ASSOCIATION OF COLLEGES OF NURSIN	MARTIN, J.	-	1,165	-	1,416	2,581	-	-	2,581		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	NESBITT, C.	7,494	-	-	12,569	20,063	599	-	20,662		TRAD
100689-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	NESBITT, C.	4,848	-	-	2,628	7,475	388	-	7,863		TRAD
100689-030	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	NESBITT, C.	11,309	-	-	21,487	32,796	905	-	33,701		TRAD
300585-010	* EASTERN VIRGINIA MEDICAL SCHOOL	NESBITT, C.	2,816	-	-	-	2,816	732	-	3,548		TRAD
100533-030	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	POSTON, R.	708	-	-	-	708	57	-	764		TRAD
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	POSTON, R.	7,494	-	-	12,569	20,063	599	-	20,662		TRAD
300504-010	WESTERN CAROLINA UNIVERSITY	RUTLEDGE, C.	4,646	-	-	-	4,646	372	-	5,018		TRAD
100533-030	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	RUTLEDGE, C.	1,062	-	-	-	1,062	85	-	1,146		TRAD
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	RUTLEDGE, C.	7,494	-	-	12,569	20,063	599	-	20,662		TRAD
100670-021	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	RUTLEDGE, C.	-	1,342	-	-	1,342	107	-	1,449		TRAD
100819-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	RUTLEDGE, C.	586	-	-	2,389	2,975	47	-	3,022		TRAD
400404-010	* MITRE CORPORATION	RUTLEDGE, C.	6,092	248	-	-	6,340	1,648	-	7,988		TRAD
400368-010	* AMERICAN ASSOCIATION OF COLLEGES OF NURSIN	SHARP, P.	-	583	-	708	1,291	-	-	1,291		TRAD
100811-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	TREMBLAY, B.	55,846	4,586	-	5,250	65,682	4,835	-	70,517		TRAD
400368-010	* AMERICAN ASSOCIATION OF COLLEGES OF NURSIN	TREMBLAY, B.	-	1,165	-	1,416	2,581	-	-	2,581		TRAD
100533-030	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	WILES, L.	354	-	-	-	354	28	-	382		TRAD
100811-010	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	WILES, L.	69,808	5,733	-	6,563	82,103	6,043	-	88,146		TRAD
			396,736	35,176	-	159,245	591,157	40,466	-	631,623	6.85%	
Rehabilitation Sciences												
400381-010	NATIONAL ASSOCIATION RESEARCH AND EDUCATIC	CAVALLARIO, J.	-	120	-	-	120	-	-	120		TRAD
100670-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	KOTT, K.	7,494	-	-	12,569	20,063	599	-	20,662		TRAD
300590-010	VIRGINIA COMMONWEALTH UNIVERSITY	LAVERDURE, P.	8,022	-	-	-	8,022	642	-	8,664		TRAD
400380-010	NATIONAL ATHLETIC TRAINERS' ASSOCIATION	MCCANN, R.	-	-	-	-	-	-	-	-		TRAD
400388-010	MID-ATLANTIC ATHLETIC TRAINERS' ASSOCIATION (M	MCCANN, R.	-	49	-	-	49	-	-	49		TRAD
400332-010	* ALZHEIMER'S ASSOCIATION	MORRISON, S.	7,426	1,564	-	-	8,990	899	-	9,889		TRAD
400384-010	* SENTARA FOUNDATION	MORRISON, S.	6,625	1,279	-	-	7,904	-	-	7,904		TRAD
400384-010	* SENTARA FOUNDATION	RUSSELL, D.	2,839	548	-	-	3,388	-	-	3,388		TRAD
400412-010	* AMERICAN DENTAL HYGIENE ASSOCIATION	RUSSELL, D.	557	1,823	-	-	2,379	-	-	2,379		TRAD
			32,962	5,383	-	12,569	50,915	2,140	-	53,055	4.20%	
TOTAL COLLEGE OF HEALTH SCIENCES			**$ 1,180,050**	**$ 205,374**	**$ 77,649**	**$ 460,426**	**$ 1,923,499**	**$ 463,799**	**$ -**	**$ 2,387,297**	**24.11%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
COLLEGE OF SCIENCES													
Dean's Office													
100550-030		U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	DAINES, D.	2,704	2,396	-	-	5,100	2,703	-	7,803		TRAD
				2,704	2,396	-	-	5,100	2,703	-	7,803	53.00%	
Biological Sciences													
100715-010		NATIONAL SCIENCE FOUNDATION	BARSHIS, D.	61,587	11,356	-	(480)	72,463	18,965	-	91,429		TRAD
400344-010		US-ISRAEL BINATIONAL SCIENCE FOUNDATION	BARSHIS, D.	-	36,268	-	-	36,268	5,440	-	41,708		TRAD
400390-010		PAUL G ALLEN FAMILY FOUNDATION	BARSHIS, D.	2,955	5,999	-	558	9,512	-	-	9,512		TRAD
400426-010		BISHOP MUSEUM	BARSHIS, D.	578	446	-	-	1,024	266	-	1,290		TRAD
400429-010		NATIONAL PARK FOUNDATION	BARSHIS, D.	27,120	32	-	-	27,153	2,563	-	29,716		TRAD
100688-010	*	NATIONAL SCIENCE FOUNDATION	BARSHIS, D.	13,060	22,768	1,405	4,905	42,138	9,315	-	51,454		TRAD
100603-010		NATIONAL SCIENCE FOUNDATION	BARTOL, I.	33,104	21,131	-	-	54,234	29,829	-	84,063		TRAD
100610-010		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	BUTLER, M.	-	5,128	-	-	5,128	1,333	-	6,461		TRAD
100744-010		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	BUTLER, M.	15,289	4,521	-	-	19,810	5,150	-	24,960		TRAD
200243-010		FLORIDA FISH & WILDLIFE CONSERVATION COMMIS	BUTLER, M.	4,576	2,542	-	-	7,119	686	-	7,805		TRAD
300547-010		VA INSTITUTE OF MARINE SCIENCE (VIMS)	BUTLER, M.	-	5,798	5,289	-	11,087	1,508	-	12,594		TRAD
400399-010		NATIONAL FISH AND WILDLIFE FOUNDATION	BUTLER, M.	20,705	13,226	7,124	-	41,055	8,822	-	49,877		TRAD
100200-010		NATIONAL SCIENCE FOUNDATION	CARPENTER, K.	15	-	-	-	15	-	-	15		TRAD
100688-010	*	NATIONAL SCIENCE FOUNDATION	CARPENTER, K.	117,541	204,909	12,645	44,149	379,245	83,837	-	463,082		TRAD
300461-010		ARIZONA STATE UNIVERSITY	CARPENTER, K.	44,311	-	-	-	44,311	24,371	-	68,682		TRAD
600185-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	11,766	1,208	-	-	12,975	3,892	-	16,867		TRAD
600190-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	31,859	1,580	-	3,452	36,891	5,107	-	41,998		TRAD
600207-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	-	-	-	-	-	(0)	-	(0)		TRAD
600220-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	38,713	18,330	-	-	57,043	5,704	-	62,747		TRAD
600224-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	43,216	6,284	-	-	49,500	5,445	-	54,945		TRAD
600229-010		INTERNATIONAL UNION FOR CONSERVATION OF NA	CARPENTER, K.	13,016	40	-	-	13,056	1,306	-	14,362		TRAD
300476-000		OLD DOMINION UNIVERSITY	DAUER, D.	-	-	-	-	-	-	-	-		TRAD
300476-011		OLD DOMINION UNIVERSITY	DAUER, D.	4,460	-	-	8,912	13,372	1,295	-	14,667		TRAD
300476-012		OLD DOMINION UNIVERSITY	DAUER, D.	(1,767)	-	-	5,924	4,156	415	-	4,572		TRAD
300532-010		VA INSTITUTE OF MARINE SCIENCE (VIMS)	DAUER, D.	110,578	47,771	-	10,356	168,704	-	-	168,704		TRAD
300536-000		OLD DOMINION UNIVERSITY	DAUER, D.	-	-	-	-	-	-	-	-		TRAD
300536-011		OLD DOMINION UNIVERSITY	DAUER, D.	117,733	24,414	5,652	17,452	165,251	12,498	-	177,749		TRAD
300536-012		OLD DOMINION UNIVERSITY	DAUER, D.	93,231	-	-	-	93,231	9,323	-	102,554		TRAD
500410-010		GEI CONSULTANTS, INC.	DAUER, D.	8,133	838	-	-	8,971	4,934	-	13,906		TRAD
300473-010		OLD DOMINION UNIVERSITY	EGERTON, T.	586	(160)	-	-	426	59	-	484		TRAD
300476-013		OLD DOMINION UNIVERSITY	EGERTON, T.	2,018	-	-	18,268	20,286	2,029	-	22,314		TRAD
300536-013		OLD DOMINION UNIVERSITY	EGERTON, T.	38,210	3,507	-	-	41,718	4,172	-	45,889		TRAD
300558-010		OLD DOMINION UNIVERSITY	EGERTON, T.	23,084	11,431	-	-	34,515	2,308	-	36,823		TRAD
100586-010		U.S. DEPARTMENT OF AGRICULTURE	GAFF, H.	-	389	-	-	389	-	-	389		TRAD
100714-010		U.S. PUBLIC HEALTH SERVICE (CENTERS FOR DISEA	GAFF, H.	-	-	-	1,007	1,007	230	-	1,238		TRAD
100684-010	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GAFF, H.	46,978	24,407	-	118,108	189,494	39,262	-	228,756		TRAD
100684-010	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GAUTHIER, D .	14,094	7,322	-	35,433	56,848	11,779	-	68,627		TRAD
200239-010		VA DEPARTMENT OF AGRICULTURE	HORTH, L.	-	(435)	-	-	(435)	-	-	(435)		TRAD
200264-010		VA DEPARTMENT OF AGRICULTURE	HORTH, L.	7,694	6,079	-	-	13,773	-	-	13,773		TRAD
200287-010		VA DEPARTMENT OF AGRICULTURE	HORTH, L.	8,002	11,354	-	-	19,355	-	-	19,355		TRAD
400268-010		VIRGINIA STATE BEEKEEPERS ASSOCIATION	HORTH, L.	-	300	-	-	300	-	-	300		TRAD
100684-010	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	HYNES, W.	32,885	17,085	-	82,676	132,646	27,483	-	160,129		TRAD
400339-010	*	PEW CHARITABLE TRUSTS	MAXWELL, S.	-	-	-	(0)	(0)	-	-	(0)		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100671-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	NEELAKANTA, G.	100,975	13,128	-	-	114,103	62,757	-	176,859		TRAD
100822-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	NEELAKANTA, G.	28,093	7,931	-	-	36,024	19,813	-	55,838		TRAD
100555-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	OSGOOD, C.	2,829	90	-	-	2,919	1,605	-	4,524		TRAD
100585-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	OSGOOD, C.	9,893	60	-	-	9,953	5,474	-	15,427		TRAD
400339-010	*	PEW CHARITABLE TRUSTS	OSGOOD, C.	-	-	-	(0)	(0)	-	-	(0)		TRAD
100671-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	SULTANA, H.	67,317	8,752	-	-	76,069	41,838	-	117,906		TRAD
100822-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	SULTANA, H.	28,093	7,931	-	-	36,024	19,813	-	55,838		TRAD
100724-010		NATIONAL SCIENCE FOUNDATION	WALLACE, LISA	10,640	29,954	-	-	40,594	22,327	-	62,921		TRAD
100542-010		NATIONAL SCIENCE FOUNDATION	WALTERS, E.	15,962	33,907	-	30,342	80,212	12,966	-	93,178		TRAD
				1,249,132	617,621	32,115	381,063	2,279,931	515,920	-	2,795,851	22.63%	
Center for Coastal Physical Oceanography													
300484-010		VA INSTITUTE OF MARINE SCIENCE (VIMS)	COVI, M.	2,190	-	-	-	2,190	569	-	2,759		TRAD
400379-010		MID-ATLANTIC COASTAL OCEAN OBSERVING REGIO	COVI, M.	5,330	-	-	-	5,330	1,706	-	7,036		TRAD
100598-010	*	NATIONAL SCIENCE FOUNDATION	DINNIMAN, M.	13,308	39	-	-	13,347	7,341	-	20,688		TRAD
100686-010	*	NATIONAL SCIENCE FOUNDATION	DINNIMAN, M.	19,481	1,762	-	-	21,244	11,684	-	32,928		TRAD
100747-010	*	NATIONAL SCIENCE FOUNDATION	DINNIMAN, M.	6,362	-	-	-	6,362	3,499	-	9,861		TRAD
400379-010		MID-ATLANTIC COASTAL OCEAN OBSERVING REGIO	DOBBS, F.	8,280	540	-	-	8,820	2,822	-	11,642		TRAD
200314-010		VA DEPARTMENT OF MINES, MINERALS, AND ENERG	HAGERMAN, G.	32,376	111,154	-	-	143,530	5,828	-	149,357		TRAD
300589-010		UNIVERSITY OF DELAWARE	HAGERMAN, G.	26,790	-	-	-	26,790	14,735	-	41,525		TRAD
100667-010		NATIONAL SCIENCE FOUNDATION	HOFMANN, E.	-	-	-	4,464	4,464	-	-	4,464		TRAD
100686-010	*	NATIONAL SCIENCE FOUNDATION	HOFMANN, E.	19,481	1,762	-	-	21,244	11,684	-	32,928		TRAD
100735-011		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	HOFMANN, E.	15,470	718	-	-	16,188	8,903	-	25,091		TRAD
200275-011	*	HAMPTON ROADS SANITATION DISTRICT COMMISSIC	HOFMANN, E.	13,220	-	-	-	13,220	1,322	-	14,542		TRAD
200303-011	*	HAMPTON ROADS SANITATION DISTRICT COMMISSIC	HOFMANN, E.	28,251	-	-	-	28,251	2,825	-	31,076		TRAD
300279-010		PENNSYLVANIA STATE UNIVERSITY	HOFMANN, E.	-	-	-	-	-	(1)	-	(1)		TRAD
300322-010		UNIVERSITY OF SOUTHERN MISSISSIPPI	HOFMANN, E.	23,661	1,546	-	-	25,208	13,360	-	38,568		TRAD
300399-010		VA INSTITUTE OF MARINE SCIENCE (VIMS)	HOFMANN, E.	21,309	112	-	-	21,421	11,781	-	33,202		TRAD
300554-010	*	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSE	HOFMANN, E.	1,291	428	-	-	1,720	301	-	2,021		TRAD
400356-010		CHESAPEAKE BAY FOUNDATION	HOFMANN, E.	-	1,528	-	-	1,528	-	-	1,528		TRAD
100577-010		NATIONAL SCIENCE FOUNDATION	KLINCK, J.	26,209	-	-	-	26,209	14,415	-	40,624		TRAD
100598-010	*	NATIONAL SCIENCE FOUNDATION	KLINCK, J.	13,308	39	-	-	13,347	7,341	-	20,688		TRAD
100660-010		LOS ALAMOS NATIONAL LABORATORIES	KLINCK, J.	20,588	-	-	-	20,588	11,324	-	31,912		TRAD
100662-010		NATIONAL SCIENCE FOUNDATION	KLINCK, J.	9,780	989	-	-	10,769	5,923	-	16,692		TRAD
100687-010		NASA/HEADQUARTERS	KLINCK, J.	-	7,246	-	32,585	39,831	3,985	-	43,817		TRAD
100845-010		JET PROPULSION LABORATORY	KLINCK, J.	16,129	-	-	-	16,129	8,871	-	25,000		TRAD
300385-020		STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSE	KLINCK, J.	89,420	34,334	-	-	123,754	68,065	-	191,819		TRAD
100747-010	*	NATIONAL SCIENCE FOUNDATION	KLINCK, J.	6,362	-	-	-	6,362	3,499	-	9,861		TRAD
200275-011	*	HAMPTON ROADS SANITATION DISTRICT COMMISSIC	KLINCK, J.	8,813	-	-	-	8,813	881	-	9,695		TRAD
200303-011	*	HAMPTON ROADS SANITATION DISTRICT COMMISSIC	KLINCK, J.	1,487	-	-	-	1,487	149	-	1,636		TRAD
300554-010	*	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSE	KLINCK, J.	1,291	428	-	-	1,720	301	-	2,021		TRAD
200314-010		VA DEPARTMENT OF MINES, MINERALS, AND ENERG	OLSEN, P.	141,803	35,797	-	-	177,600	25,525	-	203,125		TRAD
				571,992	198,422	-	37,049	807,463	248,637	-	1,056,101	30.79%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Center for Coastal Physical Oceanography - MARI												
100565-010	U.S. FISH AND WILDLIFE SERVICES	PLAG, H.	4,363	3,255	-	3,358	10,976	-	-	10,976		MARI
			4,363	3,255	-	3,358	10,976	-	-	10,976	0.00%	
Chemistry and Biochemistry												
100646-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BAYSE, C.	51,566	1,157	-	1,652	54,375	28,998	-	83,372		TRAD
400375-010	VIRGINIA ACADEMY OF SCIENCE	BAYSE, C.	395	-	-	238	633	-	-	633		TRAD
100664-010	* NATIONAL SCIENCE FOUNDATION	BAYSE, C.	3,075	1,982	-	29,101	34,158	2,782	-	36,940		TRAD
300522-010	* COLLEGE OF WILLIAM AND MARY	BAYSE, C.	2,726	198	-	-	2,924	1,608	-	4,533		TRAD
100584-010	NASA GODDARD SPACEFLIGHT CENTER	BERNATH, P.	42,262	1,478	-	-	43,740	24,057	-	67,797		TRAD
100611-010	NASA GODDARD SPACEFLIGHT CENTER	BERNATH, P.	1,014	-	-	559	1,573	558	-	2,130		TRAD
100698-010	NASA/HEADQUARTERS	BERNATH, P.	76,183	8,608	-	4,674	89,466	46,635	-	136,101		TRAD
100806-010	NASA/HEADQUARTERS	BERNATH, P.	49,868	2,037	-	1,848	53,752	28,548	-	82,300		TRAD
100842-010	NASA/HEADQUARTERS	BERNATH, P.	30,312	-	-	-	30,312	16,671	-	46,983		TRAD
100693-010	OAK RIDGE NATIONAL LABORATORY	CHEN, H.	-	550	-	-	550	303	-	853		TRAD
200277-010	CHESTERFIELD COUNTY UTILITIES COMMISSION	DONAT, J.	-	834	-	2	836	268	-	1,104		TRAD
300476-010	OLD DOMINION UNIVERSITY	DONAT, J.	8,791	20,437	-	80,405	109,634	8,056	-	117,690		TRAD
300536-010	OLD DOMINION UNIVERSITY	DONAT, J.	322,632	118,238	-	-	440,870	40,003	-	480,872		TRAD
100627-010	* U.S. DEPARTMENT OF AGRICULTURE	GREENE, L .	1,765	7,551	-	-	9,316	3,993	-	13,309		TRAD
300440-010	VIRGINIA ACADEMY OF SCIENCE	GREENE, L.	-	-	-	106	106	-	-	106		TRAD
100597-010	NATIONAL SCIENCE FOUNDATION	HATCHER, P.	2,908	5,151	-	3,725	11,783	4,432	-	16,215		TRAD
300464-010	TEXAS A&M UNIVERSITY	HATCHER, P.	27,174	5,621	-	-	32,795	18,037	-	50,832		TRAD
300466-010	UNIVERSITY OF MAINE	HATCHER, P.	38,448	7,090	-	6,418	51,957	22,267	-	74,224		TRAD
500148-010	AQUA TERRA INTERNATIONAL, LLC	HATCHER, P.	-	-	-	10,000	10,000	-	-	10,000		TRAD
100452-010	NATIONAL SCIENCE FOUNDATION	HOLDER, A.	9,234	1,117	-	-	10,351	7,161	-	17,512		TRAD
100664-010	* NATIONAL SCIENCE FOUNDATION	HOLDER, A.	2,050	1,321	-	19,400	22,772	1,854	-	24,627		TRAD
100718-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HOLDER, A.	-	-	-	2,885	2,885	231	-	3,116		TRAD
100718-020	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HOLDER, A.	30,317	9,074	-	92,685	132,077	3,151	-	135,228		TRAD
100718-030	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HOLDER, A.	1,433	-	-	4,113	5,546	115	-	5,660		TRAD
100627-010	* U.S. DEPARTMENT OF AGRICULTURE	LEE, J.	4,118	17,619	-	-	21,737	9,316	-	31,054		TRAD
100681-010	NATIONAL SCIENCE FOUNDATION	MAO, J.	10,788	4,253	-	-	15,041	8,273	-	23,314		TRAD
100808-010	NATIONAL SCIENCE FOUNDATION	MAO, J.	1,625	-	-	-	1,625	894	-	2,519		TRAD
400386-010	INTERNATIONAL CENTER FOR DIFFRACTION DATA	PAGOLA, S.	-	962	-	-	962	-	-	962		TRAD
300584-010	UNIVERSITY OF CALIFORNIA (ALL CAMPUSES)	PASCAL, S.	-	3,124	-	-	3,124	1,718	-	4,843		TRAD
100730-010	NATIONAL SCIENCE FOUNDATION	POUTSMA, J.	573	-	-	-	573	315	-	889		TRAD
100606-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	PURCELL, E.	327	866	-	-	1,193	95	-	1,289		TRAD
300522-010	* COLLEGE OF WILLIAM AND MARY	PURCELL, E.	4,089	297	-	-	4,387	2,413	-	6,799		TRAD
500226-017	* PULSE BIOSCIENCES (ELECTROBLATE)	PURCELL, E.	3,914	704	-	1,721	6,340	3,488	-	9,827		TRAD
100729-010	NATIONAL SCIENCE FOUNDATION	WANG, G.	41,935	14,611	-	1,729	58,275	31,101	-	89,376		TRAD
300483-010	OLD DOMINION UNIVERSITY	WANG, G.	2,009	343	-	-	2,351	-	-	2,351		TRAD
100555-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	XU, N .	53,747	1,711	-	-	55,458	30,502	-	85,961		TRAD
100585-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	XU, N .	39,572	240	-	-	39,812	21,897	-	61,708		TRAD
100490-010	NATIONAL SCIENCE FOUNDATION	XU, N.	18,276	1,408	-	-	19,683	10,432	-	30,116		TRAD
100490-030	NATIONAL SCIENCE FOUNDATION	XU, N.	926	-	-	-	926	-	-	926		TRAD
100585-011	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	XU, N.	-	1,378	-	-	1,378	758	-	2,137		TRAD
			884,052	239,962	-	261,261	1,385,275	380,929	-	1,766,205	27.50%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Chemistry and Biochemistry- ARC													
200272-010	*	CENTER FOR INNOVATIVE TECHNOLOGY	RAMJEE, B.	2,333	989	-	-	3,322	997	-	4,319		ARC
				2,333	989	-	-	3,322	997	-	4,319	30.00%	
Computer Sciences													
100483-010	*	NATIONAL SCIENCE FOUNDATION	CHERNIKOV, A.	42,318	1,916	-	-	44,234	23,444	-	67,678		TRAD
400303-020		NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	CHERNIKOV, A.	16,649	-	-	558	17,207	1,169	-	18,376		TRAD
100558-010		LANGLEY RESEARCH CENTER	CHRISOCHOIDES, N.	26,655	-	-	4,006	30,661	14,660	-	45,321		TRAD
400346-023		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	CHRISOCHOIDES, N.	6,339	-	-	-	6,339	-	-	6,339		TRAD
400346-024		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	CHRISOCHOIDES, N.	5,891	-	-	-	5,891	-	-	5,891		TRAD
400406-010		SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA	CHRISOCHOIDES, N.	33,607	14,586	-	-	48,193	-	-	48,193		TRAD
100483-010	*	NATIONAL SCIENCE FOUNDATION	CHRISOCHOIDES, N.	82,147	3,719	-	-	85,865	45,509	-	131,374		TRAD
100689-020	*	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GUPTA, A.	4,848	-	-	2,628	7,475	388	-	7,863		TRAD
100689-030	*	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	GUPTA, A.	11,309	-	-	21,487	32,796	905	-	33,701		TRAD
300585-010	*	EASTERN VIRGINIA MEDICAL SCHOOL	GUPTA, A.	2,816	-	-	-	2,816	732	-	3,548		TRAD
100829-010	*	NATIONAL SCIENCE FOUNDATION	JAIN, S.	4,472	417	-	-	4,889	2,689	-	7,578		TRAD
300585-010	*	EASTERN VIRGINIA MEDICAL SCHOOL	JAIN, S.	2,816	-	-	-	2,816	732	-	3,548		TRAD
100527-035	*	NASA GODDARD SPACEFLIGHT CENTER	JAYARATHNA, U.	736	-	-	-	736	-	-	736		TRAD
400346-021		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	LI, Y.	7,533	-	-	-	7,533	-	-	7,533		TRAD
400407-010		SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA	LI, Y.	15,827	21,426	-	-	37,253	-	-	37,253		TRAD
400443-010		SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA	LI, Y.	3,013	-	-	-	3,013	783	-	3,796		TRAD
600202-010		ACHARYA INSTITUTE OF TECHNOLOGY	MALY, K.	12,940	23,507	-	6,767	43,213	-	-	43,213		TRAD
300585-010	*	EASTERN VIRGINIA MEDICAL SCHOOL	MALY, K.	2,816	-	-	-	2,816	732	-	3,548		TRAD
100829-010	*	NATIONAL SCIENCE FOUNDATION	OLARIU, S.	3,354	312	-	-	3,667	2,017	-	5,683		TRAD
100554-010	*	NATIONAL SCIENCE FOUNDATION	RANJAN, D.	8,163	-	-	277	8,441	4,327	-	12,767		TRAD
100853-010	*	FERMI NATIONAL ACCELERATOR LABORATORY	RANJAN, D.	2,225	-	-	-	2,225	578	-	2,803		TRAD
100718-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	RANJAN, D.	-	-	-	2,885	2,885	231	-	3,116		TRAD
100718-020	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	RANJAN, D.	30,317	9,074	-	92,685	132,077	3,151	-	135,228		TRAD
100718-030	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	RANJAN, D.	1,433	-	-	4,113	5,546	115	-	5,660		TRAD
600227-010		NATO	SUN, J.	1,590	-	-	-	1,590	875	-	2,465		TRAD
100519-010	*	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	WEIGLE, M.	-	-	-	-	-	(0)	-	(0)		TRAD
100552-010	*	NATIONAL SCIENCE FOUNDATION	WEIGLE, M.	12,897	192	-	525	13,615	6,937	-	20,552		TRAD
100676-010	*	NATIONAL ENDOWMENT FOR THE HUMANITIES	WEIGLE, M.	6,415	1,050	-	0	7,465	4,106	-	11,571		TRAD
300380-010	*	OLD DOMINION UNIVERSITY	WEIGLE, M.	49,118	9,349	-	73,955	132,423	-	-	132,423		TRAD
300491-010		PENNSYLVANIA STATE UNIVERSITY	WU, J.	13,978	-	-	-	13,978	7,688	-	21,667		TRAD
300529-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	WU, J.	10,715	-	-	-	10,715	5,893	-	16,609		TRAD
300562-010		PENNSYLVANIA STATE UNIVERSITY	WU, J.	5,022	-	-	-	5,022	2,762	-	7,784		TRAD
100554-010	*	NATIONAL SCIENCE FOUNDATION	ZUBAIR, M.	8,163	-	-	277	8,441	4,327	-	12,767		TRAD
100853-010	*	FERMI NATIONAL ACCELERATOR LABORATORY	ZUBAIR, M.	2,160	-	-	-	2,160	561	-	2,721		TRAD
300476-015		OLD DOMINION UNIVERSITY	ZUBAIR, M.	(549)	-	-	(0)	(550)	(55)	-	(605)		TRAD
300536-015		OLD DOMINION UNIVERSITY	ZUBAIR, M.	5,273	-	-	-	5,273	527	-	5,800		TRAD
400271-010		NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	ZUBAIR, M.	18,507	-	-	-	18,507	4,812	-	23,319		TRAD
400346-022		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	ZUBAIR, M.	7,408	-	-	-	7,408	-	-	7,408		TRAD
500268-004		ENGILITY	ZUBAIR, M.	34,027	(148)	-	-	33,879	8,808	-	42,687		TRAD
				502,947	85,401	-	210,163	798,511	149,403	-	947,914	18.71%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Computer Sciences - VMASC												
100552-010	* NATIONAL SCIENCE FOUNDATION	NELSON, M.	12,897	192	-	525	13,615	6,937	-	20,552		VMASC
100676-010	* NATIONAL ENDOWMENT FOR THE HUMANITIES	NELSON, M.	6,415	1,050	-	0	7,465	4,106	-	11,571		VMASC
300472-010	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	NELSON, M.	3,935	-	-	-	3,935	2,164	-	6,099		VMASC
100519-010	* INSTITUTE OF MUSEUM AND LIBRARY SERVICES	NELSON, M.	-	-	-	-	-	(0)	-	(0)		VMASC
300380-010	* OLD DOMINION UNIVERSITY	NELSON, M.	49,118	9,349	-	73,955	132,423	-	-	132,423		VMASC
			72,365	10,592	-	74,480	157,437	13,207	-	170,644	8.39%	
Computer Sciences - Cybersecurity												
100745-010	* NATIONAL SCIENCE FOUNDATION	WANG, C.	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100801-010	NATIONAL SCIENCE FOUNDATION	WANG, C.	30,934	7,224	-	12,742	50,900	20,987	-	71,887		CYBER
100799-010	* NATIONAL SECURITY AGENCY	ZHAO, D.	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100856-010	* NATIONAL SCIENCE FOUNDATION	ZHAO, D.	93	-	-	-	93	51	-	144		CYBER
300594-010	* OLD DOMINION UNIVERSITY	ZHAO, D.	1,739	-	-	-	1,739	957	-	2,696		CYBER
			47,318	10,378	-	13,562	71,258	31,733	-	102,992	44.53%	
Mathematics and Statistics												
100700-010	LANGLEY RESEARCH CENTER	BADAVI, F.	184,864	6,821	-	-	191,685	49,838	-	241,523		TRAD
300536-014	OLD DOMINION UNIVERSITY	CHAGANTY, N.	17,170	-	-	-	17,170	1,717	-	18,886		TRAD
300476-014	OLD DOMINION UNIVERSITY	CHAGANTY, R.	-	-	-	2,348	2,348	234	-	2,582		TRAD
200282-010	* VA DEPARTMENT OF MOTOR VEHICLES	DIAWARA, N	11,071	15,027	-	13,749	39,847	6,785	-	46,632		TRAD
300493-010	OLD DOMINION UNIVERSITY	DIAWARA, N.	-	534	-	1	534	-	-	534		TRAD
100689-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	DIAWARA, N.	4,848	-	-	2,628	7,475	388	-	7,863		TRAD
100689-030	* U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES	DIAWARA, N.	11,309	-	-	21,487	32,796	905	-	33,701		TRAD
100802-010	* NATIONAL SCIENCE FOUNDATION	DIAWARA, N.	5,640	122	-	-	5,761	3,169	-	8,930		TRAD
200307-010	* VA DEPARTMENT OF MOTOR VEHICLES	DIAWARA, N.	7,470	-	-	-	7,470	1,942	-	9,413		TRAD
400203-006	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	HU, F.	39,075	699	-	1,116	40,891	10,341	-	51,232		TRAD
400203-007	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	HU, F.	30,422	415	-	-	30,837	8,018	-	38,855		TRAD
100817-010	NATIONAL SCIENCE FOUNDATION	JOO, S.	15,897	-	-	-	15,897	8,743	-	24,641		TRAD
400309-030	SIMONS FOUNDATION	JOO, S.	-	3,371	-	-	3,371	562	-	3,933		TRAD
100665-010	NATIONAL SCIENCE FOUNDATION	LUO, L.	33,626	-	-	-	33,626	18,495	-	52,121		TRAD
400347-011	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	LUO, L.	93,468	-	-	-	93,468	-	-	93,468		TRAD
100645-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	PARK, K.	408	1,220	-	-	1,628	895	-	2,523		TRAD
300535-010	* DUKE UNIVERSITY	PARK, K.	4,849	359	-	-	5,208	625	-	5,833		TRAD
300535-011	* DUKE UNIVERSITY	PARK, K.	-	3,000	-	-	3,000	120	-	3,120		TRAD
400423-010	SIMONS FOUNDATION	SHI, KE	-	3,641	-	-	3,641	728	-	4,369		TRAD
100480-010	* LANGLEY RESEARCH CENTER	TWEED	5,090	-	-	-	5,090	1,323	-	6,413		TRAD
100848-010	LANGLEY RESEARCH CENTER	TWEED, J.	36,242	-	-	-	36,242	9,423	-	45,665		TRAD
100480-010	* LANGLEY RESEARCH CENTER	WILSON, J.	96,704	-	-	-	96,704	25,143	-	121,847		TRAD
400422-010	SIMONS FOUNDATION	XU, X.	-	4,593	-	-	4,593	919	-	5,511		TRAD
100794-010	NATIONAL SCIENCE FOUNDATION	XU, Y.	-	-	-	3,456	3,456	-	-	3,456		TRAD
100812-010	NATIONAL SCIENCE FOUNDATION	XU, Y.	32,222	-	-	-	32,222	17,722	-	49,944		TRAD
400346-025	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	XU, Y.	15,155	-	-	-	15,155	-	-	15,155		TRAD
100685-010	ARMY RESEARCH OFFICE	YAMALEEV, N.	52,633	1,355	(1,355)	-	52,633	29,694	-	82,327		TRAD
100564-010	NATIONAL SCIENCE FOUNDATION	ZHOU, R.	11,708	1,543	-	-	13,251	7,288	-	20,538		TRAD
			709,873	42,699	(1,355)	44,784	796,001	205,017	-	1,001,018	25.76%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Ocean & Earth Science													
100805-010		NATIONAL SCIENCE FOUNDATION	BOCHDANSKY, A.	20,008	30,756	-	-	50,764	27,920	-	78,684		TRAD
100536-010		NATIONAL SCIENCE FOUNDATION	BURDIGE, D.	2,078	1,973	-	5,153	9,204	2,228	-	11,431		TRAD
100705-010		NATIONAL SCIENCE FOUNDATION	BURDIGE, D.	43,157	8,875	-	-	52,032	28,617	-	80,649		TRAD
100608-010	*	NATIONAL SCIENCE FOUNDATION	BURDIGE, D.	53,466	10,513	-	2,589	66,568	35,188	-	101,756		TRAD
100666-010		NATIONAL SCIENCE FOUNDATION	CHAPPELL, P.	-	-	-	38,965	38,965	-	-	38,965		TRAD
100803-010		NATIONAL SCIENCE FOUNDATION	CHAPPELL, P.	50,074	16,053	-	8,497	74,624	36,370	-	110,994		TRAD
400416-010		JEFFRESS RESEARCH GRANTS PROGRAM	CHAPPELL, P.	48,499	17,208	-	-	65,707	-	-	65,707		TRAD
100625-010	*	NATIONAL SCIENCE FOUNDATION	COVI, M .	27,539	430	-	-	27,969	15,383	-	43,352		TRAD
100824-010	*	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	COVI, M .	1,914	427	-	-	2,341	1,288	-	3,629		TRAD
200246-020	*	CITY OF VIRGINIA BEACH	COVI, M .	1,073	17	-	-	1,090	283	-	1,373		TRAD
300366-010	*	UNIVERSITY OF NORTH CAROLINA	COVI, M .	3,249	702	-	-	3,951	2,173	-	6,124		TRAD
300471-010	*	VA INSTITUTE OF MARINE SCIENCE (VIMS)	COVI, M .	12,558	1,905	-	-	14,463	-	-	14,463		TRAD
300469-010		UNIVERSITY OF VIRGINIA	COVI, M.	16,544	-	-	-	16,544	826	-	17,370		TRAD
300512-010		UNIVERSITY OF VIRGINIA	COVI, M.	4,488	-	-	-	4,488	-	-	4,488		TRAD
300534-010		UNIVERSITY OF VIRGINIA	COVI, M.	-	110	-	-	110	-	-	110		TRAD
400317-010		ELIZABETH RIVER PROJECT (LIVING RIVER RESTOR/	COVI, M.	780	-	-	-	780	203	-	982		TRAD
100649-010		NATIONAL SCIENCE FOUNDATION	CUTTER, G.	99,412	12,305	-	-	111,717	61,444	-	173,161		TRAD
100677-010		NATIONAL SCIENCE FOUNDATION	CUTTER, G.	38,991	19,824	-	13,566	72,382	32,349	-	104,730		TRAD
400400-010		SAN FRANCISCO ESTUARY INSTITUTE	CUTTER, G.	-	497	-	-	497	273	-	770		TRAD
400436-010		CONSORTIUM FOR OCEAN LEADERSHIP, INC.	DOBBS, F.	-	4,652	-	4,348	9,000	-	-	9,000		TRAD
100651-010		NATIONAL SCIENCE FOUNDATION	GEORGEN, J.	9,808	2,471	-	-	12,279	6,753	-	19,032		TRAD
200286-010		HAMPTON ROADS SANITATION DISTRICT COMMISSIC	HALE, R.	9,122	1,206	-	-	10,328	2,582	-	12,910		TRAD
100527-020		NASA GODDARD SPACEFLIGHT CENTER	HAMLINGTON, B.	-	-	-	-	-	-	-	-		TRAD
100615-010		NATIONAL SCIENCE FOUNDATION	HARVEY, R.	64,554	10,245	-	-	74,799	41,140	-	115,939		TRAD
100655-010		NATIONAL SCIENCE FOUNDATION	HARVEY, R.	13,188	787	-	69,100	83,075	7,686	-	90,761		TRAD
600198-030		STANTEC	HARVEY, R.	4,839	2,015	-	-	6,854	3,770	-	10,624		TRAD
100656-010	*	NASA GODDARD SPACEFLIGHT CENTER	HILL, V	36,489	2,123	-	546	39,158	21,237	-	60,395		TRAD
300498-010	*	VA INSTITUTE OF MARINE SCIENCE (VIMS)	HILL, V	8,577	704	-	863	10,144	5,105	-	15,249		TRAD
500427-010	*	NALU SCIENTIFIC	HILL, V	3,683	248	-	-	3,930	2,162	-	6,092		TRAD
100604-010		NATIONAL SCIENCE FOUNDATION	HILL, V.	16,525	6,574	-	-	23,099	12,704	-	35,803		TRAD
200283-010		VA MARINE RESOURCES COMMISSION (VMRC)	JONES, C.	31,597	1,424	5,768	-	38,789	8,255	-	47,044		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100735-010		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	MULHOLLAND, M.	81,499	18,003	-	-	99,502	54,726	-	154,229		TRAD
200275-010		HAMPTON ROADS SANITATION DISTRICT COMMISSIC	MULHOLLAND, M.	15,750	56	-	8,535	24,341	1,636	-	25,977		TRAD
200303-010		HAMPTON ROADS SANITATION DISTRICT COMMISSIC	MULHOLLAND, M.	80,815	11,905	13,683	5,976	112,380	9,272	-	121,652		TRAD
300536-013		OLD DOMINION UNIVERSITY	MULHOLLAND, M.	67,437	781	-	-	68,217	6,822	-	75,039		TRAD
100679-010		NATIONAL SCIENCE FOUNDATION	SCHMIDT, M.	13,645	9,396	-	-	23,042	12,673	-	35,715		TRAD
100712-010		NATIONAL SCIENCE FOUNDATION	SCHMIDT, M.	47,495	1,299	-	7,389	56,182	26,837	-	83,019		TRAD
100563-010		NATIONAL SCIENCE FOUNDATION	SEDWICK, P.	27,969	3,174	-	-	31,144	17,129	-	48,272		TRAD
100707-010		NATIONAL SCIENCE FOUNDATION	SEDWICK, P.	42,256	16,015	-	-	58,271	32,049	-	90,320		TRAD
100742-010		NATIONAL SCIENCE FOUNDATION	SEDWICK, P.	33,385	25,346	-	-	58,730	32,302	-	91,032		TRAD
100802-010	*	NATIONAL SCIENCE FOUNDATION	WHITTECAR, R.	5,640	122	-	-	5,761	3,169	-	8,930		TRAD
300041-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	WHITTECAR, R.	-	2,488	-	-	2,488	871	-	3,359		TRAD
500318-010		WEANACK LAND LIMITED PARTNERS	WHITTECAR, R.	3,587	800	-	-	4,387	1,141	-	5,527		TRAD
500421-010		WEANACK LAND LIMITED PARTNERS	WHITTECAR, R.	2,798	33	-	-	2,831	736	-	3,567		TRAD
100608-010	*	NATIONAL SCIENCE FOUNDATION	ZIMMERMAN, R.	53,466	10,513	-	2,589	66,568	35,188	-	101,756		TRAD
100656-010	*	NASA GODDARD SPACEFLIGHT CENTER	ZIMMERMAN, R.	37,595	2,188	-	562	40,345	21,880	-	62,225		TRAD
300498-010	*	VA INSTITUTE OF MARINE SCIENCE (VIMS)	ZIMMERMAN, R.	8,577	704	-	863	10,144	5,105	-	15,249		TRAD
500427-010	*	NALU SCIENTIFIC	ZIMMERMAN, R.	3,794	255	-	-	4,049	2,227	-	6,277		TRAD
				1,147,919	257,121	19,452	169,540	1,594,032	619,702	-	2,213,734	38.88%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Physics												
100388-150	* U.S. DEPARTMENT OF ENERGY	AMARYAN, M.	103,787	5,927	-	1,124	110,838	60,343	-	171,181		TRAD
100652-010	* NATIONAL SCIENCE FOUNDATION	ARETI, H.	-	72	-	16,813	16,886	40	-	16,925		TRAD
100392-030	* U.S. DEPARTMENT OF ENERGY	BALITSKY, I.	24,719	20	-	1,416	26,155	13,112	-	39,267		TRAD
100849-010	* NATIONAL SCIENCE FOUNDATION	BRICENO, R.	-	-	-	8,369	8,369	-	-	8,369		TRAD
300510-010	OLD DOMINION UNIVERSITY	BRICENO, R.	85,441	-	-	6,734	92,175	46,992	-	139,167		TRAD
100388-150	* U.S. DEPARTMENT OF ENERGY	BUELTMANN, S.	91,577	5,230	-	991	97,798	53,244	-	151,042		TRAD
100652-010	* NATIONAL SCIENCE FOUNDATION	BUELTMANN, S.	-	62	-	14,411	14,473	34	-	14,508		TRAD
400346-041	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	CIOVATI, G.	6,891	-	-	-	6,891	-	-	6,891		TRAD
400346-047	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	CIOVATI, G.	3,042	-	-	-	3,042	-	-	3,042		TRAD
100614-010	* NATIONAL SCIENCE FOUNDATION	CIOVATI, G.	10,622	1,164	-	3,705	15,491	3,064	-	18,555		TRAD
100711-010	* U.S. DEPARTMENT OF ENERGY	DE SILVA, P.	10,223	3,245	-	-	13,469	3,502	-	16,971		TRAD
100387-020	* U.S. DEPARTMENT OF ENERGY	DELAYEN, J.	47,061	4,956	-	39,715	91,732	13,524	-	105,256		TRAD
100492-010	* NATIONAL SCIENCE FOUNDATION	DELAYEN, J.	3,842	3,213	-	-	7,055	3,739	-	10,794		TRAD
100703-010	FERMI NATIONAL ACCELERATOR LABORATORY	DELAYEN, J.	52,257	41,658	-	67,722	161,638	42,221	-	203,858		TRAD
100727-010	U.S. DEPARTMENT OF ENERGY	DELAYEN, J.	11,682	3,959	-	92	15,733	4,067	-	19,800		TRAD
100843-010	FERMI NATIONAL ACCELERATOR LABORATORY	DELAYEN, J.	38,105	674	-	-	38,779	10,083	-	48,862		TRAD
400343-010	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA	DELAYEN, J.	59,415	3,260	14,202	20,326	97,204	34,471	-	131,675		TRAD
400346-034	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	DELAYEN, J.	3,446	-	-	-	3,446	-	-	3,446		TRAD
400346-035	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	DELAYEN, J.	6,891	-	-	-	6,891	-	-	6,891		TRAD
400346-037	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	DELAYEN, J.	10,712	-	-	-	10,712	-	-	10,712		TRAD
400346-042	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	DELAYEN, J.	9,240	-	-	-	9,240	-	-	9,240		TRAD
400417-010	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	DELAYEN, J.	-	-	-	11,000	11,000	-	-	11,000		TRAD
100614-010	* NATIONAL SCIENCE FOUNDATION	DELAYEN, J.	7,967	873	-	2,779	11,618	2,298	-	13,916		TRAD
100711-010	* U.S. DEPARTMENT OF ENERGY	DELAYEN, J.	30,670	9,736	-	-	40,406	10,506	-	50,912		TRAD
300442-010	* TEMPLE UNIVERSITY	DELAYEN, J.	18,446	1,279	-	2,953	22,678	10,849	-	33,527		TRAD
100388-150	* U.S. DEPARTMENT OF ENERGY	DODGE, G.	103,787	5,927	-	1,124	110,838	60,343	-	171,181		TRAD
100652-010	* NATIONAL SCIENCE FOUNDATION	DODGE, G.	-	72	-	16,813	16,886	40	-	16,925		TRAD
100554-010	* NATIONAL SCIENCE FOUNDATION	GODUNOV, A.	8,163	-	-	277	8,441	4,327	-	12,767		TRAD
100387-020	* U.S. DEPARTMENT OF ENERGY	GUREVICH, A.	47,061	4,956	-	39,715	91,732	13,524	-	105,256		TRAD
100492-010	* NATIONAL SCIENCE FOUNDATION	GUREVICH, A.	3,842	3,213	-	-	7,055	3,739	-	10,794		TRAD
100668-010	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOS	GUREVICH, A.	26,936	399	-	-	27,335	15,034	-	42,368		TRAD
400346-039	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	GUREVICH, A.	10,715	-	-	-	10,715	-	-	10,715		TRAD
400346-040	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	GUREVICH, A.	1,775	-	-	-	1,775	-	-	1,775		TRAD
100614-010	* NATIONAL SCIENCE FOUNDATION	GUREVICH, A.	7,967	873	-	2,779	11,618	2,298	-	13,916		TRAD
300442-010	* TEMPLE UNIVERSITY	GUREVICH, A.	18,446	1,279	-	2,953	22,678	10,849	-	33,527		TRAD
100602-010	NATIONAL SCIENCE FOUNDATION	HAVEY, M.	61,342	7,904	-	10,208	79,454	38,085	-	117,540		TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100532-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HE, J .	41,998	8,445	-	-	50,443	27,744	-	78,186		TRAD
100388-150	* U.S. DEPARTMENT OF ENERGY	HYDE, C.	103,787	5,927	-	1,124	110,838	60,343	-	171,181		TRAD
100697-010	BROOKHAVEN NATIONAL LABORATORY	HYDE, C.	59,556	-	-	1,629	61,185	15,484	-	76,669		TRAD
300528-010	STONY BROOK UNIVERSITY	HYDE, C.	22,669	-	-	-	22,669	-	-	22,669		TRAD
400346-010	* JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	HYDE, C.	(399)	-	-	-	(399)	-	-	(399)		TRAD
400347-010	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	HYDE, C.	391,259	-	-	-	391,259	-	-	391,259		TRAD
100722-010	U.S. DEPARTMENT OF ENERGY	KRAFFT, G.	20,531	2,960	-	-	23,491	6,108	-	29,599		TRAD
400320-010	AMERICAN PHYSICAL SOCIETY (APS)	KRAFFT, G.	-	-	-	4,925	4,925	-	-	4,925		TRAD
400346-038	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	KRAFFT, G.	13,782	-	-	-	13,782	-	-	13,782		TRAD
100849-010	* NATIONAL SCIENCE FOUNDATION	KRAFFT, G.	-	-	-	8,369	8,369	-	-	8,369		TRAD
100388-150	* U.S. DEPARTMENT OF ENERGY	KUHN, S.	103,787	5,927	-	1,124	110,838	60,343	-	171,181		TRAD
100392-030	* U.S. DEPARTMENT OF ENERGY	RADYUSHKIN, A.	24,719	20	-	1,416	26,155	13,112	-	39,267		TRAD
100663-010	BROOKHAVEN NATIONAL LABORATORY	ROGERS, TED	34,571	-	-	-	34,571	8,989	-	43,560		TRAD
300444-010	OLD DOMINION UNIVERSITY	ROGERS, TED	50,765	5,369	-	8,578	64,712	30,874	-	95,586		TRAD
100392-030	* U.S. DEPARTMENT OF ENERGY	SCHIAVILLA, R.	24,719	20	-	1,416	26,155	13,112	-	39,267		TRAD
400418-010	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	STEPANYAN, S.	-	-	-	11,000	11,000	-	-	11,000		TRAD
400347-010	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	SUKENIK, C.	345,901	-	-	-	345,901	-	-	345,901		TRAD
500427-010	* NALU SCIENTIFIC	SUKENIK, C.	3,683	248	-	-	3,930	2,162	-	6,092		TRAD
100554-010	* NATIONAL SCIENCE FOUNDATION	TERZIC, B.	8,163	-	-	277	8,441	4,327	-	12,767		TRAD
100810-010	NATIONAL SCIENCE FOUNDATION	TERZIC, B.	53,464	-	-	8,438	61,902	29,405	-	91,307		TRAD
100849-010	* NATIONAL SCIENCE FOUNDATION	TERZIC, B.	-	-	-	8,622	8,622	-	-	8,622		TRAD
100853-010	* FERMI NATIONAL ACCELERATOR LABORATORY	TERZIC, B.	2,160	-	-	-	2,160	561	-	2,721		TRAD
400346-036	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSO	TERZIC, B.	13,782	-	-	-	13,782	-	-	13,782		TRAD
300030-014	* UNIVERSITY OF VIRGINIA	TERZIC, B.	3,588	249	-	3,376	7,213	-	-	7,213		TRAD
100392-030	* U.S. DEPARTMENT OF ENERGY	VAN ORDEN, J.	24,719	20	-	1,416	26,155	13,112	-	39,267		TRAD
100535-010	U.S. DEPARTMENT OF ENERGY	VUSKOVIC, L.	10,439	(603)	-	-	9,836	14,964	-	24,800		TRAD
100388-150	* U.S. DEPARTMENT OF ENERGY	WEINSTEIN, L.	103,787	5,927	-	1,124	110,838	60,343	-	171,181		TRAD
			2,387,503	144,462	14,202	334,850	2,881,017	821,310	-	3,702,326	28.51%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Psychology												
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BARRACO, C.	4,516	-	-	280	4,796	2,484	-	7,280		TRAD
500329-010	VR REHAB, INC.	BLISS, J.	-	-	-	9,292	9,292	5,111	-	14,403		TRAD
100626-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BRAITMAN, A.	105,909	5,116	-	-	111,024	8,882	-	119,906		TRAD
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BRAITMAN, A.	4,516	-	-	280	4,796	2,484	-	7,280		TRAD
100798-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	BRAITMAN, A.	16,202	721	-	900	17,823	9,308	-	27,131		TRAD
100690-010	NATIONAL SCIENCE FOUNDATION	CHEN, J.	7,866	-	-	-	7,866	4,326	-	12,192		TRAD
100850-010	* NATIONAL SCIENCE FOUNDATION	CHEN, J.	1,105	-	-	-	1,105	608	-	1,713		TRAD
100738-010	* NATIONAL SCIENCE FOUNDATION	CIGULAROV, K.	8,537	810	1,115	21,452	31,914	5,141	-	37,055		TRAD
100726-010	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	CRAMER, R.	12,039	-	-	-	12,039	3,853	-	15,892		TRAD
100726-010	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GLENN, C.	(173)	-	-	-	(173)	(55)	-	(228)		TRAD
100726-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	GLENN, C.	19,565	3,180	-	-	22,745	7,278	-	30,024		TRAD
100551-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HENSON, M.	48,610	37,075	-	72,763	158,448	45,413	-	203,860		TRAD
100551-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HERON, K .	2,701	2,060	-	4,042	8,803	2,523	-	11,326		TRAD
100798-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HERON, K.	64,808	2,884	-	3,600	71,292	37,231	-	108,523		TRAD
400421-010	AMERICAN PSYCHOLOGICAL FOUNDATION	HERON, K.	-	560	-	-	560	-	-	560		TRAD
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	HERON, K.	16,130	-	-	1,000	17,130	8,872	-	26,002		TRAD
400396-010	AMERICAN PSYCHOLOGICAL FOUNDATION	JUDAH, M	-	-	-	256	256	-	-	256		TRAD
100726-010	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	JUDAH, M.	4,816	-	-	-	4,816	1,541	-	6,357		TRAD
100726-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	JUDAH, M.	7,822	1,083	-	-	8,905	2,850	-	11,755		TRAD
100551-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	KELLEY, M.	2,701	2,060	-	4,042	8,803	2,523	-	11,326		TRAD
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	KELLEY, M.	2,581	-	-	160	2,741	1,419	-	4,160		TRAD
400353-010	AMERICAN PSYCHOLOGICAL FOUNDATION	KELLEY, M.	2,114	1,675	-	-	3,789	-	-	3,789		TRAD
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	LEWIS, R.	32,260	-	-	2,000	34,260	17,743	-	52,003		TRAD
100798-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	LEWIS, R.	27,003	1,202	-	1,500	29,705	15,513	-	45,218		TRAD
100570-010	NATIONAL SCIENCE FOUNDATION	MAJOR, D.	1,391	-	-	-	1,391	737	-	2,128		TRAD
100673-010	* NATIONAL SCIENCE FOUNDATION	MAJOR, D.	6,228	1,065	-	622	7,915	4,011	-	11,926		TRAD
300489-010	UNIVERSITY OF COLORADO	PAULSON, J.	5,207	-	-	-	5,207	2,864	-	8,070		TRAD
100619-010	* U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	WINSTEAD, B.	4,516	-	-	280	4,796	2,484	-	7,280		TRAD
300561-010	VIRGINIA COMMONWEALTH UNIVERSITY	YAMANI, Y	3,388	-	-	-	3,388	1,863	-	5,251		TRAD
100850-010	* NATIONAL SCIENCE FOUNDATION	YAMANI, Y.	1,105	-	-	-	1,105	608	-	1,713		TRAD
200256-010	* VA DEPARTMENT OF MOTOR VEHICLES	YAMANI, Y.	(65)	-	-	-	(65)	(17)	-	(81)		TRAD
200281-010	* VA DEPARTMENT OF MOTOR VEHICLES	YAMANI, Y.	11,088	6,020	-	-	17,107	4,448	-	21,555		TRAD
200308-010	* VA DEPARTMENT OF MOTOR VEHICLES	YAMANI, Y.	11,125	4,610	-	-	15,735	4,091	-	19,827		TRAD
500423-010	* VOLVO TECHNOLOGY OF AMERICA, INC.	YAMANI, Y.	7,018	-	-	-	7,018	3,860	-	10,878		TRAD
			442,627	70,120	1,115	122,471	636,333	209,995	-	846,328	33.00%	
TOTAL COLLEGE OF SCIENCES			**$ 8,025,128**	**$ 1,683,418**	**$ 65,529**	**$ 1,652,582**	**$ 11,426,657**	**$ 3,199,553**	**$ -**	**$ 14,626,211**	**28.00%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

				PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER		SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
OFFICE OF RESEARCH AND OTHER ACTIVITY													
Frank Reidy Research Center for Bioelectrics													
300427-010	*	OLD DOMINION UNIVERSITY	BEEBE, S.	1,507	54	-	4,997	6,557	467	-	7,024		CBE
300427-910	*	PULSE BIOSCIENCES (ELECTROBLATE)	BEEBE, S.	-	3,267	-	4,503	7,770	2,331	-	10,101		CBE
500226-013	*	PULSE BIOSCIENCES (ELECTROBLATE)	BEEBE, S.	13,150	6,194	-	-	19,344	10,639	-	29,984		CBE
100517-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	GUO, S.	814	1,530	-	-	2,345	1,243	-	3,587		CBE
100732-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	GUO, S.	61,386	27,059	-	6,004	94,449	48,645	-	143,093		CBE
300427-010	*	OLD DOMINION UNIVERSITY	GUO, S.	1,507	54	-	4,997	6,557	467	-	7,024		CBE
300427-910	*	PULSE BIOSCIENCES (ELECTROBLATE)	GUO, S.	-	3,267	-	4,503	7,770	2,331	-	10,101		CBE
500226-013	*	PULSE BIOSCIENCES (ELECTROBLATE)	GUO, S.	13,150	6,194	-	-	19,344	10,639	-	29,984		CBE
500226-015	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	22,925	8,820	-	-	31,745	17,460	-	49,205		CBE
500226-017	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	3,914	704	-	1,721	6,340	3,488	-	9,827		CBE
500226-019	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	63,082	14,099	-	-	77,180	42,449	-	119,629		CBE
500226-020	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	25,686	3,349	-	-	29,034	15,969	-	45,003		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	PAKHOMOVA, O.	7,249	915	1,787	-	9,951	4,490	-	14,442		CBE
300345-012		OLD DOMINION UNIVERSITY	PAKHOMOVA, O.	69,331	24,528	21,490	-	115,349	51,623	-	166,972		CBE
300345-013	*	OLD DOMINION UNIVERSITY	PAKHOMOVA, O.	5,264	1,243	-	-	6,507	3,579	-	10,086		CBE
500226-015	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	5,731	2,205	-	-	7,936	4,365	-	12,301		CBE
500226-018	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	5,467	391	-	-	5,858	3,222	-	9,079		CBE
500226-019	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	7,009	1,567	-	-	8,576	4,717	-	13,292		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTE	SEMENOV, I.	14,498	1,830	3,574	-	19,903	8,981	-	28,883		CBE
300345-013	*	OLD DOMINION UNIVERSITY	SEMENOV, I.	2,632	622	-	-	3,254	1,789	-	5,043		CBE
400393-010		BREEDEN-ADAMS FOUNDATION	STACEY, M.	-	4,534	-	960	5,494	-	-	5,494		CBE
300345-013	*	OLD DOMINION UNIVERSITY	VERNIER, P.	69,899	10,816	-	1,454	82,169	44,393	-	126,562		CBE
500226-020	*	PULSE BIOSCIENCES (ELECTROBLATE)	VERNIER, P.	38,529	5,023	-	-	43,552	23,953	-	67,505		CBE
				432,729	128,265	26,851	29,139	616,984	307,239	-	924,223	49.80%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Virginia Modeling, Analysis and Simulation Center - VMASC												
100790-011	* NAVAL SEA SYSTEMS COMMAND	AMASON, D.	6,403	932	-	1,529	8,864	4,767	-	13,631		VMASC
300592-010	* OLD DOMINION UNIVERSITY	AMASON, D.	27,729	-	-	-	27,729	-	-	27,729		VMASC
500390-010	* ALEX - ALTERNATIVE EXPERTS, LLC	AMASON, D.	3,295	-	-	-	3,295	2,142	-	5,437		VMASC
300543-010	* OLD DOMINION UNIVERSITY	BARRACO, A.	24,208	8,461	-	1,709	34,377	17,967	-	52,345		VMASC
100824-010	* NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTR	BEHR, J.	10,948	427	-	-	11,375	6,256	-	17,632		VMASC
300543-010	* OLD DOMINION UNIVERSITY	BEHR, J.	18,156	6,345	-	1,282	25,783	13,476	-	39,258		VMASC
500394-010	* ARCADIS ENGINEERING	BEHR, J.	4,839	-	-	-	4,839	2,661	-	7,500		VMASC
300583-010	OLD DOMINION UNIVERSITY	BOWLES, D.	1,108	-	-	-	1,108	-	-	1,108		VMASC
400448-010	MITRE CORPORATION	BOWLES, D.	1,116	-	-	-	1,116	614	-	1,730		VMASC
400431-010	* NEW COLLEGE INSTITUTE	CVIJETIC, B.	995	-	-	-	995	259	-	1,254		VMASC
300540-010	* STEVENS INSTITUTE OF TECHNOLOGY	DIALLO, S.	3,988	-	-	-	3,988	2,592	-	6,580		VMASC
300545-010	* OLD DOMINION UNIVERSITY	DIALLO, S.	93,600	38,497	-	36,729	168,827	-	-	168,827		VMASC
300592-010	* OLD DOMINION UNIVERSITY	DIALLO, S.	27,729	-	-	-	27,729	-	-	27,729		VMASC
400432-010	* MITRE CORPORATION	DIALLO, S.	13,459	3,608	-	-	17,068	9,387	-	26,455		VMASC
400439-010	* JOHN TEMPLETON FOUNDATION	DIALLO, S.	14,173	12,500	-	220,759	247,432	4,001	-	251,433		VMASC
500375-001	* CAMBER CORPORATION	DIALLO, S.	(18,524)	-	-	-	(18,524)	(12,041)	-	(30,565)		VMASC
500375-003	* CAMBER CORPORATION	DIALLO, S.	80,303	-	-	-	80,303	52,197	-	132,499		VMASC
500375-004	* CAMBER CORPORATION	DIALLO, S.	44,487	-	-	-	44,487	28,917	-	73,404		VMASC
500375-005	* CAMBER CORPORATION	DIALLO, S.	-	4,225	-	-	4,225	2,746	-	6,971		VMASC
500375-006	* CAMBER CORPORATION	DIALLO, S.	41,525	-	-	-	41,525	26,991	-	68,516		VMASC
500375-007	* CAMBER CORPORATION	DIALLO, S.	22,412	-	-	-	22,412	14,568	-	36,981		VMASC
500375-008	* CAMBER CORPORATION	DIALLO, S.	-	1,787	-	-	1,787	1,162	-	2,949		VMASC
500395-010	KADSCI	DIALLO, S.	2,273	-	-	-	2,273	1,477	-	3,750		VMASC
500400-010	UNITED NETWORK FOR ORGAN SHARING (UNOS)	DIALLO, S.	67,588	11,847	-	-	79,435	43,689	-	123,125		VMASC
500400-011	* UNITED NETWORK FOR ORGAN SHARING (UNOS)	DIALLO, S.	5,133	-	-	-	5,133	2,823	-	7,956		VMASC
100837-010	JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, B.	71,209	17,164	-	-	88,373	22,977	-	111,350		VMASC
100841-010	JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, B.	24,262	-	-	-	24,262	2,426	-	26,688		VMASC
200270-010	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMI	EZELL, B.	-	-	-	-	-	-	-	-		VMASC
200292-010	VA PORT AUTHORITY	EZELL, B.	-	-	-	1,193	1,193	310	-	1,503		VMASC
200297-010	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMI	EZELL, B.	83,301	31,017	-	51,000	165,318	62,875	-	228,194		VMASC
200323-010	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMI	EZELL, B.	20,537	3,000	-	-	23,537	12,945	-	36,483		VMASC
200324-010	HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, B.	8,940	-	-	-	8,940	2,324	-	11,264		VMASC
400387-010	FOODBANK OF SOUTHEAST VA AND EASTERN SHOF	EZELL, B.	-	-	-	326	326	85	-	411		VMASC
400428-010	CNA CORPORATION	EZELL, B.	22,367	214	-	-	22,581	12,419	-	35,000		VMASC
100800-010	* NAVAL AIR WARFARE CENTER TSD	EZELL, B.	534	6	-	28	568	351	-	918		VMASC
200294-010	* VA PORT AUTHORITY	EZELL, B.	-	(115)	-	-	(115)	(30)	-	(145)		VMASC
400431-010	* NEW COLLEGE INSTITUTE	EZELL, B.	41	-	-	-	41	11	-	51		VMASC
500341-003	* APPLIED RESEARCH ASSOCIATES, INC.	EZELL, B.	13,934	-	-	-	13,934	7,664	-	21,598		VMASC
500390-010	* ALEX - ALTERNATIVE EXPERTS, LLC	EZELL, B.	2,197	-	-	-	2,197	1,428	-	3,625		VMASC
300540-010	* STEVENS INSTITUTE OF TECHNOLOGY	FRYDENLUND, E.	3,988	-	-	-	3,988	2,592	-	6,580		VMASC
300543-010	* OLD DOMINION UNIVERSITY	FRYDENLUND, E.	30,259	10,576	-	2,136	42,971	22,459	-	65,431		VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
300593-010	* OLD DOMINION UNIVERSITY	GARCIA, H.	24,999	-	-	-	24,999	-	-	24,999		VMASC
500375-001	* CAMBER CORPORATION	GORE, R.	(18,524)	-	-	-	(18,524)	(12,041)	-	(30,565)		VMASC
500375-003	* CAMBER CORPORATION	GORE, R.	80,303	-	-	-	80,303	52,197	-	132,499		VMASC
500375-004	* CAMBER CORPORATION	GORE, R.	44,487	-	-	-	44,487	28,917	-	73,404		VMASC
500375-005	* CAMBER CORPORATION	GORE, R.	-	4,225	-	-	4,225	2,746	-	6,971		VMASC
500375-006	* CAMBER CORPORATION	GORE, R.	41,525	-	-	-	41,525	26,991	-	68,516		VMASC
500375-007	* CAMBER CORPORATION	GORE, R.	22,412	-	-	-	22,412	14,568	-	36,981		VMASC
500375-008	* CAMBER CORPORATION	GORE, R.	-	1,787	-	-	1,787	1,162	-	2,949		VMASC
100790-010	* NAVAL SEA SYSTEMS COMMAND	GORE, R.	25,433	2,181	-	865	28,479	17,949	-	46,428		VMASC
100790-011	* NAVAL SEA SYSTEMS COMMAND	GORE, R.	6,403	932	-	1,529	8,864	4,767	-	13,631		VMASC
300579-010	OLD DOMINION UNIVERSITY	JOE, M.	18,490	11,747	-	-	30,237	-	-	30,237		VMASC
400442-010	NATIONAL PARENT TEACHER ASSOCIATION	JOHNSON, J.	6,536	-	-	-	6,536	3,464	-	9,999		VMASC
400431-010	* NEW COLLEGE INSTITUTE	JOHNSON, J.	995	-	-	-	995	259	-	1,254		VMASC
400432-010	* MITRE CORPORATION	JORDAN, C.	13,459	3,608	-	-	17,068	9,387	-	26,455		VMASC
500400-011	* UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, C.	5,133	-	-	-	5,133	2,823	-	7,956		VMASC
600225-010	* NATO	JORDAN, C.	4,200	-	-	-	4,200	2,310	-	6,509		VMASC
100790-010	* NAVAL SEA SYSTEMS COMMAND	LYNCH, C.	25,433	2,181	-	865	28,479	17,949	-	46,428		VMASC
100790-011	* NAVAL SEA SYSTEMS COMMAND	LYNCH, C.	6,403	932	-	1,529	8,864	4,767	-	13,631		VMASC
100800-010	* NAVAL AIR WARFARE CENTER TSD	LYNCH, C.	9,343	99	-	492	9,934	6,138	-	16,072		VMASC
600225-010	* NATO	LYNCH, C.	4,200	-	-	-	4,200	2,310	-	6,509		VMASC
300328-010	NORFOLK STATE UNIVERSITY	PADILLA, J.	125,812	10,319	-	10,278	146,409	72,149	-	218,558		VMASC
300543-010	* OLD DOMINION UNIVERSITY	PADILLA, J.	30,259	10,576	-	2,136	42,971	22,459	-	65,431		VMASC
600225-010	* NATO	PADILLA, J.	3,150	-	-	-	3,150	1,732	-	4,882		VMASC
300518-010	* OLD DOMINION UNIVERSITY	PAPELIS, Y.	52,106	3,477	-	-	55,584	2,223	-	57,807		VMASC
300556-010	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	PAPELIS, Y.	17,532	-	-	-	17,532	-	-	17,532		VMASC
100601-010	* U.S. DEPARTMENT OF EDUCATION	PAPELIS, Y.	48,301	1,090	-	6,416	55,807	12,842	-	68,649		VMASC
300556-011	* VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	PAPELIS, Y.	12,854	-	-	-	12,854	-	-	12,854		VMASC
300545-010	* OLD DOMINION UNIVERSITY	RECHNOWICZ, K.	93,600	38,497	-	36,729	168,827	-	-	168,827		VMASC
300568-010	* OLD DOMINION UNIVERSITY	RECHNOWICZ, K.	17,564	-	-	-	17,564	-	-	17,564		VMASC
500368-010	PREVAILANCE, INC.	RECHOWICZ, K	(155)	-	-	-	(155)	(50)	-	(206)		VMASC
500368-020	PREVAILANCE, INC.	RECHOWICZ, K	4,773	-	-	(0)	4,772	3,102	-	7,875		VMASC
500368-030	PREVAILANCE, INC.	RECHOWICZ, K	56,332	5,552	-	-	61,884	40,225	-	102,109		VMASC
300593-010	* OLD DOMINION UNIVERSITY	RECHOWICZ, K.	14,999	-	-	-	14,999	-	-	14,999		VMASC
400439-010	* JOHN TEMPLETON FOUNDATION	RECHOWICZ, K.	14,173	12,500	-	220,759	247,432	4,001	-	251,433		VMASC
600225-010	* NATO	RECHOWICZ, K.	5,250	-	-	-	5,250	2,887	-	8,137		VMASC
300462-010	* OLD DOMINION UNIVERSITY	ROBINSON, R.	(48,191)	10,101	-	5,491	(32,599)	-	-	(32,599)		VMASC
300462-020	* OLD DOMINION UNIVERSITY	ROBINSON, R.	148,206	5,479	-	292,390	446,075	-	-	446,075		VMASC
300592-010	* OLD DOMINION UNIVERSITY	ROBINSON, R.	27,729	-	-	-	27,729	-	-	27,729		VMASC
300568-010	* OLD DOMINION UNIVERSITY	SHULL, J.	26,346	-	-	-	26,346	-	-	26,346		VMASC
400433-010	JULIA ROBINSON MATHEMATICS FESTIVAL	SMITH, K.	-	2,911	-	-	2,911	-	-	2,911		VMASC
100790-011	* NAVAL SEA SYSTEMS COMMAND	SMITH, K.	12,805	1,864	-	3,059	17,728	9,535	-	27,262		VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
100629-010	NORFOLK NAVAL SHIPYARD	WEISEL, E.	-	1,578	-	34	1,612	516	-	2,128		VMASC
100634-010	NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	1,369	-	-	119,482	120,851	493	-	121,343		VMASC
100647-010	NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	2,778	43,996	-	-	46,774	16,839	-	63,613		VMASC
100830-010	NORFOLK NAVAL SHIPYARD	WEISEL, E.	-	7,148	-	-	7,148	2,287	-	9,435		VMASC
100834-010	NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	2,249	25,000	-	324,863	352,112	17,229	-	369,341		VMASC
200302-010	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	294,663	20,212	-	-	314,875	34,111	-	348,986		VMASC
200302-020	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	-	25,000	-	387,500	412,500	2,708	-	415,208		VMASC
200302-030	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	-	115,950	-	-	115,950	12,561	-	128,511		VMASC
300592-010	* OLD DOMINION UNIVERSITY	WEISEL, E.	27,729	-	-	-	27,729	-	-	27,729		VMASC
300593-010	* OLD DOMINION UNIVERSITY	WEISEL, E.	10,000	-	-	-	10,000	-	-	10,000		VMASC
400193-000	NONE	WEISEL, E.	-	20,832	-	-	20,832	-	-	20,832		VMASC
500379-010	D'ANGELO TECHNOLOGIES LLC	WEISEL, E.	16,139	-	-	-	16,139	10,490	-	26,629		VMASC
500422-010	LOCKWOOD HILLS FEDERAL LLC	WEISEL, E.	36,547	-	-	-	36,547	23,756	-	60,303		VMASC
300540-010	* STEVENS INSTITUTE OF TECHNOLOGY	WEISEL, E.	4,109	-	-	-	4,109	2,671	-	6,780		VMASC
			2,158,766	540,265	-	1,731,111	4,430,142	858,919	-	5,289,061	19.39%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
The Graduate School												
200256-010	* VA DEPARTMENT OF MOTOR VEHICLES	PORTER, B.	(65)	-	-	-	(65)	(17)	-	(81)		TRAD
200281-010	* VA DEPARTMENT OF MOTOR VEHICLES	PORTER, B.	11,088	6,020	-	-	17,107	4,448	-	21,555		TRAD
200282-010	* VA DEPARTMENT OF MOTOR VEHICLES	PORTER, B.	11,071	15,027	-	13,749	39,847	6,785	-	46,632		TRAD
200307-010	* VA DEPARTMENT OF MOTOR VEHICLES	PORTER, B.	7,470	-	-	-	7,470	1,942	-	9,413		TRAD
200308-010	* VA DEPARTMENT OF MOTOR VEHICLES	PORTER, B.	11,125	4,610	-	-	15,735	4,091	-	19,827		TRAD
			40,689	25,657	-	13,749	80,095	17,250	-	97,345	21.54%	
Center for Enterprise Innovation												
500011-010	VANWIN COATINGS OF VIRGINIA	BRINKER, J.	-	-	-	-	-	(4)	-	(4)		TRAD
500027-010	ESKA GRAPHIC BOARD	BRINKER, J.	-	-	-	-	-	(14)	-	(14)		TRAD
100713-010	* SMALL BUSINESS ADMINISTRATION	FILER, C.	-	-	-	(0)	(0)	-	-	(0)		TRAD
200204-020	GOVERNOR'S OFFICE	KASZUBOWSKI, M.	545	147,680	-	-	148,225	-	-	148,225		TRAD
300420-030	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	KASZUBOWSKI, M.	-	3,780	-	-	3,780	945	-	4,725		TRAD
100694-020	SMALL BUSINESS ADMINISTRATION	NUNNERY, J.	28,638	10,440	-	0	39,078	10,160	-	49,238		TRAD
100694-030	SMALL BUSINESS ADMINISTRATION	NUNNERY, J.	72,548	5,058	-	-	77,606	20,178	-	97,783		TRAD
100713-020	SMALL BUSINESS ADMINISTRATION	NUNNERY, J.	234,481	30,854	-	-	265,335	76,019	-	341,354		TRAD
100713-021	SMALL BUSINESS ADMINISTRATION	NUNNERY, J.	20,966	-	-	-	20,966	5,451	-	26,417		TRAD
100713-030	SMALL BUSINESS ADMINISTRATION	NUNNERY, J.	43,619	65	-	-	43,684	11,358	-	55,042		TRAD
200276-010	CRATER PLANNING DISTRICT COMMISSION	NUNNERY, J.	11,801	7,583	-	0	19,384	5,040	-	24,424		TRAD
200276-011	CRATER PLANNING DISTRICT COMMISSION	NUNNERY, J.	2,307	826	-	0	3,133	815	-	3,948		TRAD
200280-010	GOVERNOR'S OFFICE	NUNNERY, J.	69,842	85,804	-	-	155,647	-	-	155,647		TRAD
200280-011	GOVERNOR'S OFFICE	NUNNERY, J.	55,530	-	-	-	55,530	-	-	55,530		TRAD
200298-010	CRATER PLANNING DISTRICT COMMISSION	NUNNERY, J.	89,179	15,624	-	-	104,804	27,249	-	132,052		TRAD
200298-011	CRATER PLANNING DISTRICT COMMISSION	NUNNERY, J.	23,782	3,336	-	-	27,118	7,051	-	34,169		TRAD
400409-010	REINVENT HAMPTON ROADS	NUNNERY, J.	42,853	-	-	-	42,853	-	-	42,853		TRAD
500411-001	WINERX	NUNNERY, J.	-	2,900	-	-	2,900	754	-	3,654		TRAD
500425-001	FERGUSON ENTERPRISES, LLC	NUNNERY, J.	2,598	-	-	-	2,598	1,036	-	3,634		TRAD
400441-010	COASTAL COMMUNITY RESILIENCE, INC.	PERKINS, D.	5,732	-	-	-	5,732	-	-	5,732		TRAD
100713-010	* SMALL BUSINESS ADMINISTRATION	SAGESTER, C.	-	-	-	(0)	(0)	-	-	(0)		TRAD
			704,423	313,950	-	0	1,018,373	166,037	-	1,184,410	16.30%	
Other Miscellaneous Units - Cybersecurity												
100675-010	NATIONAL SCIENCE FOUNDATION	PAYNE, B.	73,048	32,502	-	58,981	164,530	58,052	-	222,582		CYBER
100709-010	* NATIONAL SCIENCE FOUNDATION	PAYNE, B.	2,369	1,072	-	28,452	31,893	1,892	-	33,786		CYBER
100745-010	* NATIONAL SCIENCE FOUNDATION	PAYNE, B.	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100814-010	* NATIONAL SCIENCE FOUNDATION	PAYNE, B.	31,396	8,644	-	-	40,041	22,022	-	62,063		CYBER
100856-010	* NATIONAL SCIENCE FOUNDATION	PAYNE, B.	93	-	-	-	93	51	-	144		CYBER
100723-010	* NATIONAL SCIENCE FOUNDATION	PURWANTO, W.	24,312	-	-	1,882	26,194	13,371	-	39,566		CYBER
			138,688	42,402	-	89,315	270,405	99,599	-	370,004	36.83%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST					PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
Other Miscellaneous Units												
100726-010	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	BADGER, N.	4,729	-	-	-	4,729	1,513	-	6,243		TRAD
100726-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	BADGER, N.	13,694	2,132	-	-	15,825	5,064	-	20,889		TRAD
400276-010	* BLUE MOON FUND	FOSTER, M.	-	-	-	-	-	-	-	-		TRAD
400370-010	* ARTS MIDWEST	FOWLER, G.	-	-	-	0	0	0	-	0		TRAD
100852-010	SMALL BUSINESS ADMINISTRATION	GRDEN, N.	5,312	9,787	-	-	15,099	3,926	-	19,025		TRAD
100726-010	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	HOLLEY, A.	2,379	-	-	-	2,379	761	-	3,140		TRAD
100726-020	* U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICI	HOLLEY, A.	4,565	711	-	-	5,275	1,688	-	6,963		TRAD
300350-040	OLD DOMINION UNIVERSITY	HUCKLESS, M.	6,493	-	-	-	6,493	-	-	6,493		TRAD
300559-010	OLD DOMINION UNIVERSITY	HUCKLESS, M.	2,240	-	-	-	2,240	-	-	2,240		TRAD
300434-010	OLD DOMINION UNIVERSITY	LOVE, L.	240,884	14,400	-	73,139	328,422	20,423	-	348,845		TRAD
300030-014	* UNIVERSITY OF VIRGINIA	MCLEOD, G.	3,588	249	-	3,376	7,213	-	-	7,213		TRAD
100818-010	ECONOMIC DEVELOPMENT ADMINISTRATION (EDA)	STEINHILBER, E.	124,915	531	-	-	125,445	32,616	-	158,061		TRAD
400276-010	* BLUE MOON FUND	STEINHILBER, E.	-	-	-	-	-	0	-	0		TRAD
300051-080	OLD DOMINION UNIVERSITY	STUDIVANT, P.	57,463	11,194	-	85	68,742	5,493	-	74,234		TRAD
300051-090	OLD DOMINION UNIVERSITY	STUDIVANT, P.	219,580	2,414	-	24,975	246,969	17,760	-	264,729		TRAD
			685,841	41,416	-	101,575	828,832	89,243	-	918,075	10.77%	
TOTAL UNIVERSITY ACTIVITY			**$ 4,161,136**	**$ 1,091,955**	**$ 26,851**	**$ 1,964,889**	**$ 7,244,830**	**$ 1,538,287**	**$ -**	**$ 8,783,118**	**21.23%**	
GRAND TOTAL			**$ 23,154,088**	**$ 5,072,431**	**$ 696,676**	**$ 7,570,171**	**$ 36,493,366**	**$ 8,589,855**	**$ -**	**$ 45,083,221**	**23.54%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

			PROJECT DIRECT COST				PROJECT IDC AND FEES					
PROJECT NUMBER	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	, CONSTRUCTION, TUITION &	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	CENTER
AFFILIATED ACTIVITY												
Virginia Space Grant Consortium												
100607-010	NATIONAL SCIENCE FOUNDATION	CARTER, C.	15,564	17,126	-	84,704	117,394	8,499	-	125,894		VSGC
200268-010	GAR-FIELD HIGH SCHOOL	CARTER, C.	-	-	-	4,129	4,129	-	-	4,129		VSGC
300580-010	RICHARD BLAND COLLEGE OF WILLIAM AND MARY	CARTER, C.	5,061	5,756	-	-	10,817	2,813	-	13,630		VSGC
500323-010	MIDLAND GIS SOLUTIONS	CARTER, C.	-	-	-	-	-	-	-	-		VSGC
100522-010	LANGLEY RESEARCH CENTER	SANDY, M.	16,393	60,862	-	2,479	79,733	20,086	-	99,819		VSGC
100527-010	NASA GODDARD SPACEFLIGHT CENTER	SANDY, M.	293,954	24,669	-	318,623	637,246	82,842	-	720,088		VSGC
100846-010	LANGLEY RESEARCH CENTER	SANDY, M.	46,738	723	-	-	47,461	12,340	-	59,800		VSGC
200005-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	SANDY, M.	226,242	69,696	-	52,922	348,861	-	-	348,861		VSGC
200005-011	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	SANDY, M.	42,884	51,752	-	25,309	119,945	-	-	119,945		VSGC
200009-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	SANDY, M.	-	-	-	169,777	169,777	-	-	169,777		VSGC
200009-020	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	SANDY, M.	9,517	739	-	42,917	53,174	-	-	53,174		VSGC
200278-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SC	SANDY, M.	2,216	3,585	-	68,277	74,079	-	-	74,079		VSGC
200319-010	VA DEPARTMENT OF AVIATION	SANDY, M.	2,994	7,685	-	-	10,679	-	-	10,679		VSGC
300030-010	UNIVERSITY OF VIRGINIA	SANDY, M.	65,489	30,282	-	109,128	204,899	-	-	204,899		VSGC
300040-010	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSIT	SANDY, M.	256,885	21,068	-	12,096	290,049	-	-	290,049		VSGC
300125-010	OLD DOMINION UNIVERSITY	SANDY, M.	141,767	105,882	-	48,666	296,315	-	-	296,315		VSGC
300342-010	HAMPTON UNIVERSITY	SANDY, M.	28,686	21,103	-	-	49,790	12,945	-	62,735		VSGC
300419-010	VIRGINIA COMMUNITY COLLEGE SYSTEM	SANDY, M.	-	5	-	35,026	35,031	-	-	35,031		VSGC
300462-021	OLD DOMINION UNIVERSITY	SANDY, M.	15,778	-	-	35,366	51,144	-	-	51,144		VSGC
300598-010	OLD DOMINION UNIVERSITY	SANDY, M.	-	-	-	22,000	22,000	-	-	22,000		VSGC
400204-010	THE NATIONAL ACADEMIES	SANDY, M.	183,855	20,175	-	220,611	424,641	53,048	-	477,689		VSGC
100595-010	* NASA GODDARD SPACEFLIGHT CENTER	SANDY, M.	-	-	-	1,011	1,011	-	-	1,011		VSGC
			1,354,025	441,108	-	1,253,042	3,048,175	192,573	-	3,240,748	6.32%	
Virginia Tidewater Consortium for Higher Education												
100618-010	U.S. DEPARTMENT OF EDUCATION	DOTOLO, L.	407,009	47,649	-	-	454,659	35,085	-	489,744		TRAD
400252-040	OPPORTUNITY, INC.	DOTOLO, L.	1,745	-	-	644	2,388	174	-	2,563		TRAD
400410-010	OPPORTUNITY, INC.	DOTOLO, L.	31,496	92	-	14,854	46,442	3,159	-	49,601		TRAD
			440,250	47,741	-	15,497	503,489	38,418	-	541,907	7.63%	
TOTAL AFFILIATED ACTIVITY			**$ 1,794,275**	**$ 488,849**	**$ -**	**$ 1,268,539**	**$ 3,551,664**	**$ 230,991**	**$ -**	**$ 3,782,655**	**6.50%**	
GRAND TOTAL			**$ 24,948,364**	**$ 5,561,281**	**$ 696,676**	**$ 8,838,710**	**$ 40,045,030**	**$ 8,820,846**	**$ -**	**$ 48,865,876**	**22.03%**	

SCHEDULE 5

Enterprise Centers Including Projects Reported as

Activity of an Academic Department

Fiscal Year 2020

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
APPLIED RESEARCH CENTER														
400346-026		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, H.	4054.1	14,159	-	-	-	14,159	-	-	14,159		ARC
400346-028		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, H.	4054.1	13,500	-	-	-	13,500	-	-	13,500		ARC
400346-043		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, H.	4054.1	13,637	-	-	-	13,637	-	-	13,637		ARC
100567-020		LANGLEY RESEARCH CENTER	ELSAYED-ALI, H.	4054.1	1,345	-	-	-	1,345	350	-	1,694		ARC
100674-010		NATIONAL SCIENCE FOUNDATION	ELSAYED-ALI, H.	4054.1	45,259	1,248	-	-	46,507	25,579	-	72,086		ARC
300467-010		UNIVERSITY OF VIRGINIA	ELSAYED-ALI, H.	4054.1	5,831	676	-	218	6,725	-	-	6,725		ARC
400346-011		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, H.	4054.1	29,299	606	-	-	29,905	-	-	29,905		ARC
400434-010		JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, H.	4054.1	-	210	-	-	210	-	-	210		ARC
500369-010		EVERGREEN TECHNOLOGIES, LLC	ELSAYED-ALI, H.	4054.1	11,548	10,219	-	-	21,767	5,659	-	27,426		ARC
500374-010		II-VI INFARED, INC.	ELSAYED-ALI, H.	4054.1	27,622	-	-	-	27,622	7,182	-	34,804		ARC
500378-010		FACE CONSTRUCTION TECHNOLOGIES	ELSAYED-ALI, H.	4054.1	27,115	1,099	-	-	28,213	15,517	-	43,730		ARC
500380-010		MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	4054.1	-	1,966	-	434	2,400	-	-	2,400		ARC
500405-010		MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	4054.1	12,055	2,697	-	-	14,752	-	-	14,752		ARC
500415-010		MTEQ MANUFACTURING SERVICES	ELSAYED-ALI, H.	4054.1	-	5,317	-	-	5,317	-	-	5,317		ARC
500428-010		MIL-SPEC ABRASIVES, LLC	ELSAYED-ALI, H.	4054.1	-	200	-	-	200	110	-	310		ARC
200272-010	*	CENTER FOR INNOVATIVE TECHNOLOGY	ELSAYED-ALI, H.	4054.1	20,996	8,903	-	-	29,898	8,970	-	38,868		ARC
100256-010	*	NATIONAL SCIENCE FOUNDATION	MARSILLAC, S.	4054.1	-	(3)	-	-	(3)	(2)	-	(4)		ARC
300428-010		COLORADO SCHOOL OF MINES	MARSILLAC, S.	4054.1	5,201	(4,480)	-	-	720	396	-	1,116		ARC
300436-010		COLORADO SCHOOL OF MINES	MARSILLAC, S.	4054.1	27,536	14,745	-	-	42,281	23,255	-	65,536		ARC
300392-010		NORFOLK STATE UNIVERSITY	NAMKOONG, G.	4054.1	6,549	-	-	-	6,549	3,602	-	10,151		ARC
600211-010		SAMIL TECH COMPANY, LTD	NAMKOONG, G.	4054.1	-	306	-	-	306	-	-	306		ARC
600211-010		SAMIL TECH COMPANY, LTD	NAMKOONG, G.	4054.1	4,726	18	-	-	4,744	-	-	4,744		ARC
100256-010	*	NATIONAL SCIENCE FOUNDATION	NAMKOONG, G.	4054.1	-	(9)	-	-	(9)	(5)	-	(14)		ARC
100527-028		NASA GODDARD SPACEFLIGHT CENTER	NAMKOONG, G.	4054.1	3,006	3,417	-	-	6,423	-	-	6,423		ARC
300591-010		VIRGINIA STATE UNIVERSITY	ELMUSTAFA, A.	4057.1	12,956	-	-	-	12,956	3,369	-	16,325		ARC
200272-010	*	CENTER FOR INNOVATIVE TECHNOLOGY	RAMJEE, B.	6082.1	2,333	989	-	-	3,322	997	-	4,319		ARC
					284,672	48,122	-	652	333,446	94,978	-	428,424	28.48%	

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS														
300474-010		OLD DOMINION UNIVERSITY	BULYSHEVA, A.	4054.2	13,135	35,278	41,955	123,750	214,118	14,524	-	228,641		CBE
500417-010		EMBODY	BULYSHEVA, A.	4054.2	23,210	3,940	-	-	27,150	14,933	-	42,083		CBE
100517-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	BULYSHEVA, A.	4054.2	814	1,530	-	-	2,345	1,243	-	3,587		CBE
300487-010	*	OLD DOMINION UNIVERSITY	BULYSHEVA, A.	4054.2	15,608	21,567	-	12,545	49,721	11,153	-	60,874		CBE
500381-010	*	LIFENET	BULYSHEVA, A.	4054.2	21,356	21,311	-	1,758	44,426	12,800	-	57,226		CBE
100661-010		AIR FORCE RESEARCH LABORATORY	JIANG, C.	4054.2	58,397	11,059	-	-	69,456	38,201	-	107,656		CBE
300595-010		UNIVERSITY OF SOUTH FLORIDA	JIANG, C.	4054.2	5,896	-	-	-	5,896	3,243	-	9,138		CBE
100732-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	JIANG, C.	4054.2	26,308	11,597	-	2,573	40,478	20,848	-	61,326		CBE
100740-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	JIANG, C.	4054.2	15,670	2,333	-	-	18,003	9,902	-	27,904		CBE
100804-010		NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	4054.2	14,082	803	-	-	14,885	7,889	-	22,775		CBE
100807-010		NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	4054.2	24,362	-	-	-	24,362	13,399	-	37,762		CBE
100809-010		NATIONAL SCIENCE FOUNDATION	SLAUGHTER, G.	4054.2	32,387	666	-	-	33,053	18,179	-	51,232		CBE
100823-010		UNITED STATES ARMY MEDICAL RESEARCH AND MATERIEL COI	SLAUGHTER, G.	4054.2	143,617	26,600	-	12,605	182,822	90,215	-	273,037		CBE
300479-010	*	VIRGINIA COMMONWEALTH UNIVERSITY	XIAO, S.	4054.2	77	101	-	-	179	-	-	179		CBE
300345-011		OLD DOMINION UNIVERSITY	XIAO, S.	4054.2	112,785	12,548	20,917	-	146,250	68,933	-	215,183		CBE
300345-013	*	OLD DOMINION UNIVERSITY	XIAO, S.	4054.2	5,264	1,243	-	-	6,507	3,579	-	10,086		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	ZEMLIN, C.	4054.2	57,994	7,320	14,297	-	79,611	35,923	-	115,534		CBE
300487-010	*	OLD DOMINION UNIVERSITY	ZEMLIN, C.	4054.2	15,608	21,567	-	12,545	49,721	11,153	-	60,874		CBE
400333-010		AMERICAN HEART ASSOCIATION	ZEMLIN, C.	4054.2	931	-	-	1,829	2,760	-	-	2,760		CBE
500359-010		ATRICURE, INC	ZEMLIN, C.	4054.2	-	16,134	-	-	16,134	8,874	-	25,008		CBE
500381-010	*	LIFENET	ZEMLIN, C.	4054.2	21,356	21,311	-	1,758	44,426	12,800	-	57,226		CBE
100692-010		U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	CATRAVAS, J.	5056.2	20,373	3,827	-	-	24,200	13,310	-	37,510		CBE
100789-010		U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	CATRAVAS, J.	5056.2	130,166	10,518	-	-	140,684	77,376	-	218,059		CBE
100579-010		U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	HELLER, L.	5056.2	22,781	4,275	-	27,541	54,598	14,881	-	69,479		CBE
100516-010		U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	HELLER, R.	5056.2	29,536	13,650	-	-	43,186	22,889	-	66,074		CBE
100517-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	HELLER, R.	5056.2	3,799	7,142	-	-	10,941	5,799	-	16,740		CBE
100740-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	HELLER, R.	5056.2	15,670	2,333	-	-	18,003	9,902	-	27,904		CBE
500226-013	*	PULSE BIOSCIENCES (ELECTROBLATE)	HELLER, R.	5056.2	13,549	6,382	-	-	19,931	10,962	-	30,892		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	PAKHOMOV, A.	5056.2	57,994	7,320	14,297	-	79,611	35,923	-	115,534		CBE
300345-010		OLD DOMINION UNIVERSITY	PAKHOMOV, A.	5056.2	145,722	10,300	21,936	243,385	421,343	85,812	-	507,155		CBE
500226-014		PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, A.	5056.2	41,505	9,671	41,416	-	92,592	28,147	-	120,738		CBE
500226-018	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, A.	5056.2	21,867	1,564	-	-	23,430	12,887	-	36,317		CBE
300345-013	*	OLD DOMINION UNIVERSITY	PAKHOMOV, A.	5056.2	42,767	10,102	-	-	52,869	29,078	-	81,948		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	XIAO, S.	5056.2	7,249	915	1,787	-	9,951	4,490	-	14,442		CBE
300427-010	*	OLD DOMINION UNIVERSITY	BEEBE, S.	9910.2	1,507	54	-	4,997	6,557	467	-	7,024		CBE
300427-910	*	PULSE BIOSCIENCES (ELECTROBLATE)	BEEBE, S.	9910.2	-	3,267	-	4,503	7,770	2,331	-	10,101		CBE
500226-013	*	PULSE BIOSCIENCES (ELECTROBLATE)	BEEBE, S.	9910.2	13,150	6,194	-	-	19,344	10,639	-	29,984		CBE
100517-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	GUO, S.	9910.2	814	1,530	-	-	2,345	1,243	-	3,587		CBE
100732-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	GUO, S.	9910.2	61,386	27,059	-	6,004	94,449	48,645	-	143,093		CBE
300427-010	*	OLD DOMINION UNIVERSITY	GUO, S.	9910.2	1,507	54	-	4,997	6,557	467	-	7,024		CBE
300427-910	*	PULSE BIOSCIENCES (ELECTROBLATE)	GUO, S.	9910.2	-	3,267	-	4,503	7,770	2,331	-	10,101		CBE
500226-013	*	PULSE BIOSCIENCES (ELECTROBLATE)	GUO, S.	9910.2	13,150	6,194	-	-	19,344	10,639	-	29,984		CBE

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
500226-015	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	9910.2	22,925	8,820	-	-	31,745	17,460	-	49,205		CBE
500226-017	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	9910.2	3,914	704	-	1,721	6,340	3,488	-	9,827		CBE
500226-019	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	9910.2	53,585	10,754	-	-	64,340	35,387	-	99,726		CBE
500226-019	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	9910.2	9,496	3,344	-	-	12,841	7,062	-	19,903		CBE
500226-020	*	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, C.	9910.2	25,686	3,349	-	-	29,034	15,969	-	45,003		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	PAKHOMOVA, O.	9910.2	7,249	915	1,787	-	9,951	4,490	-	14,442		CBE
300345-012		OLD DOMINION UNIVERSITY	PAKHOMOVA, O.	9910.2	69,331	24,528	21,490	-	115,349	51,623	-	166,972		CBE
300345-013	*	OLD DOMINION UNIVERSITY	PAKHOMOVA, O.	9910.2	5,264	1,243	-	-	6,507	3,579	-	10,086		CBE
500226-015	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	9910.2	5,731	2,205	-	-	7,936	4,365	-	12,301		CBE
500226-018	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	9910.2	5,467	391	-	-	5,858	3,222	-	9,079		CBE
500226-019	*	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, O.	9910.2	7,009	1,567	-	-	8,576	4,717	-	13,292		CBE
100548-010	*	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF HEAL	SEMENOV, I.	9910.2	14,498	1,830	3,574	-	19,903	8,981	-	28,883		CBE
300345-013	*	OLD DOMINION UNIVERSITY	SEMENOV, I.	9910.2	2,632	622	-	-	3,254	1,789	-	5,043		CBE
400393-010		BREEDEN-ADAMS FOUNDATION	STACEY, M.	9910.2	-	4,534	-	960	5,494	-	-	5,494		CBE
300345-013	*	OLD DOMINION UNIVERSITY	VERNIER, P.	9910.2	69,899	10,816	-	1,454	82,169	44,393	-	126,562		CBE
500226-020	*	PULSE BIOSCIENCES (ELECTROBLATE)	VERNIER, P.	9910.2	38,529	5,023	-	-	43,552	23,953	-	67,505		CBE
					1,594,564	433,175	183,456	469,429	2,680,624	1,056,482	-	3,737,106	39.41%	

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
SOCIAL SCIENCE RESEARCH CENTER														
200269-010		VIRGINIA BEACH DEPARTMENT OF PUBLIC HEALTH	VANDECAR-BURDIN, T.	1060	-	-	-	0.05	0.05	-	-	0.05		SSRC
200295-010		CITY OF CHESAPEAKE	VANDECAR-BURDIN, T.	1060	1,120	548	-	-	1,668	917	-	2,586		SSRC
200296-010		VA DEPARTMENT OF BEHAVIORAL HEALTH AND DEVELOPMENT	VANDECAR-BURDIN, T.	1060	27,214	7,949	-	-	35,163	1,758	-	36,921		SSRC
200296-020		VA DEPARTMENT OF BEHAVIORAL HEALTH AND DEVELOPMENT	VANDECAR-BURDIN, T.	1060	703	-	-	-	703	35	-	738		SSRC
200301-010		CITY OF CHESAPEAKE	VANDECAR-BURDIN, T.	1060	2,034	-	-	0.16	2,034	529	-	2,563		SSRC
200311-010		CITY OF VIRGINIA BEACH	VANDECAR-BURDIN, T.	1060	1,027	-	-	50.52	1,078	-	-	1,078		SSRC
200322-010		VA DEPARTMENT OF SOCIAL SERVICES	VANDECAR-BURDIN, T.	1060	13,658	409	-	-	14,067	1,407	-	15,474		SSRC
300513-010		OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	9,002	2,827	-	-	11,828	591	-	12,420		SSRC
300521-010		OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	10,882	510	-	-	11,392	-	-	11,392		SSRC
300575-010		OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	9,723	7,148	-	-	16,871	844	-	17,714		SSRC
300600-010		OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	117	6,300	-	-	6,417	-	-	6,417		SSRC
400371-010		AMERICAN SOCIETY OF BIOMECHANICS	VANDECAR-BURDIN, T.	1060	291	-	-	-	291	160	-	451		SSRC
400411-010		VIRGINIA ARTS FESTIVAL	VANDECAR-BURDIN, T.	1060	4,127	-	-	0.47	4,128	1,073	-	5,201		SSRC
400447-010		CENTER FOR MIND AND CULTURE	VANDECAR-BURDIN, T.	1060	809	-	-	-	809	121	-	930		SSRC
200248-010	*	VIRGINIA OFFICE OF THE ATTORNEY GENERAL	VANDECAR-BURDIN, T.	1060	4,190	-	-	-	4,190	1,090	-	5,280		SSRC
300356-040	*	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	5,926	674	-	-	6,600	528	-	7,129		SSRC
300519-010	*	EASTERN VIRGINIA MEDICAL SCHOOL	VANDECAR-BURDIN, T.	1060	7,579	1,340	-	0.01	8,919	-	-	8,919		SSRC
300574-010	*	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	3,466	336	-	-	3,802	304	-	4,106		SSRC
300577-010	*	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, T.	1060	4,292	-	-	-	4,292	1,116	-	5,408		SSRC
					106,161	28,040	-	51	134,253	10,473	-	144,726	7.80%	

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
CENTER FOR CYBERSECURITY														
100799-010	*	NATIONAL SECURITY AGENCY	WITTKOWER, D.	1017.9	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100648-010	*	NATIONAL SCIENCE FOUNDATION	HE, W.	2032.9	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100799-010	*	NATIONAL SECURITY AGENCY	DICE, T.	3040.9	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
300594-010	*	OLD DOMINION UNIVERSITY	DICE, T.	3047.9	1,160	-	-	-	1,160	638	-	1,797		CYBER
100648-010	*	NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, K.	4054.9	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100648-010	*	NATIONAL SCIENCE FOUNDATION	LI, J.	4054.9	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100612-010		NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	44,211	9,218	-	1,221	54,649	29,386	-	84,035		CYBER
100709-010	*	NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	2,369	1,072	-	28,452	31,893	1,892	-	33,786		CYBER
100723-010	*	NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	25,049	-	-	1,940	26,988	13,777	-	40,765		CYBER
100745-010	*	NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100799-010	*	NATIONAL SECURITY AGENCY	WU, H.	4054.9	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100814-010	*	NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	16,906	4,655	-	-	21,560	11,858	-	33,418		CYBER
100839-010	*	OFFICE OF NAVAL RESEARCH	WU, H.	4054.9	17,455	-	-	-	17,455	9,600	-	27,055		CYBER
100856-010	*	NATIONAL SCIENCE FOUNDATION	WU, H.	4054.9	93	-	-	-	93	51	-	144		CYBER
300537-010	*	OLD DOMINION UNIVERSITY	WU, H.	4054.9	-	-	31,145	-	31,145	-	-	31,145		CYBER
300567-010	*	OLD DOMINION UNIVERSITY	WU, H.	4054.9	5,624	1,976	-	2,921	10,520	608	-	11,128		CYBER
300594-010	*	OLD DOMINION UNIVERSITY	WU, H.	4054.9	1,160	-	-	-	1,160	638	-	1,797		CYBER
600223-010		NATO	WU, H.	4054.9	5,801	-	-	13,554	19,355	10,645	-	30,000		CYBER
100791-010	*	OFFICE OF NAVAL RESEARCH	WU, H.	4054.9	19,118	2,604	-	494	22,216	14,119	-	36,335		CYBER
100833-010	*	U.S. DEPARTMENT OF EDUCATION	WU, H.	4054.9	-	-	-	-	-	-	-	-		CYBER
100680-010		NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	32,736	1,469	-	-	34,205	18,813	-	53,018		CYBER
100680-020		NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	-	-	-	6,000	6,000	-	-	6,000		CYBER
100648-010	*	NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	1,502	2,457	-	13,211	17,170	2,178	-	19,348		CYBER
100709-010	*	NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	4,738	2,144	-	56,905	63,786	3,785	-	67,571		CYBER
100745-010	*	NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100791-010	*	OFFICE OF NAVAL RESEARCH	XIN, C.	4054.9	18,556	2,527	-	480	21,563	13,704	-	35,266		CYBER
100799-010	*	NATIONAL SECURITY AGENCY	XIN, C.	4054.9	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100838-010	*	NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	-	75	-	-	75	41	-	116		CYBER
100839-010	*	OFFICE OF NAVAL RESEARCH	XIN, C.	4054.9	16,942	-	-	-	16,942	9,318	-	26,260		CYBER
100856-010	*	NATIONAL SCIENCE FOUNDATION	XIN, C.	4054.9	93	-	-	-	93	51	-	144		CYBER
300594-010	*	OLD DOMINION UNIVERSITY	XIN, C.	4054.9	1,739	-	-	-	1,739	957	-	2,696		CYBER
100723-010	*	NATIONAL SCIENCE FOUNDATION	SOSONKINA, M.	4075.9	24,312	-	-	1,882	26,194	13,371	-	39,566		CYBER
100745-010	*	NATIONAL SCIENCE FOUNDATION	WANG, C.	6093.9	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100801-010		NATIONAL SCIENCE FOUNDATION	WANG, C.	6093.9	30,934	7,224	-	12,742	50,900	20,987	-	71,887		CYBER
100799-010	*	NATIONAL SECURITY AGENCY	ZHAO, D.	6093.9	7,082	2,970	-	820	10,872	5,529	-	16,401		CYBER
100856-010	*	NATIONAL SCIENCE FOUNDATION	ZHAO, D.	6093.9	93	-	-	-	93	51	-	144		CYBER
300594-010	*	OLD DOMINION UNIVERSITY	ZHAO, D.	6093.9	1,739	-	-	-	1,739	957	-	2,696		CYBER
100675-010		NATIONAL SCIENCE FOUNDATION	PAYNE, B.	9910.9	73,048	32,502	-	58,981	164,530	58,052	-	222,582		CYBER
100709-010	*	NATIONAL SCIENCE FOUNDATION	PAYNE, B.	9910.9	2,369	1,072	-	28,452	31,893	1,892	-	33,786		CYBER
100745-010	*	NATIONAL SCIENCE FOUNDATION	PAYNE, B.	9910.9	7,470	184	-	-	7,654	4,210	-	11,864		CYBER
100814-010	*	NATIONAL SCIENCE FOUNDATION	PAYNE, B.	9910.9	31,396	8,644	-	-	40,041	22,022	-	62,063		CYBER
100856-010	*	NATIONAL SCIENCE FOUNDATION	PAYNE, B.	9910.9	93	-	-	-	93	51	-	144		CYBER
100723-010	*	NATIONAL SCIENCE FOUNDATION	PURWANTO, W.	9910.9	24,312	-	-	1,882	26,194	13,371	-	39,566		CYBER
					473,343	100,596	31,145	272,849	877,933	323,829	-	1,201,762	36.89%	

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
CENTER FOR EDUCATIONAL PARTNERSHIPS														
200210-010	*	NEWPORT NEWS PUBLIC SCHOOLS	ARNOLD-PUCHALSKI, P.	3048	-	-	-	1,263	1,263	-	-	1,263		TCEP
100835-010	*	U.S. DEPARTMENT OF EDUCATION	BROBST, J.	3048	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
300502-010	*	WESTERN WASHINGTON UNIVERSITY	BROBST, J.	3048	8,031	-	-	147	8,178	431	-	8,609		TCEP
300503-010		WESTERN WASHINGTON UNIVERSITY	BROBST, J.	3048	7,844	250	-	-	8,094	4,452	-	12,545		TCEP
300527-010		WESTERN WASHINGTON UNIVERSITY	BROBST, J.	3048	15,955	250	-	-	16,205	8,913	-	25,118		TCEP
100721-010	*	OFFICE OF NAVAL RESEARCH	CHAPPELL, S.	3048	6,329	50	-	69,395	75,774	2,296	-	78,071		TCEP
100835-010	*	U.S. DEPARTMENT OF EDUCATION	CHAPPELL, S.	3048	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200210-010	*	NEWPORT NEWS PUBLIC SCHOOLS	CHAPPELL, S.	3048	-	-	-	421	421	-	-	421		TCEP
200213-010	*	CHESAPEAKE PUBLIC SCHOOLS	CHAPPELL, S.	3048	12,605	-	-	-	12,605	-	-	12,605		TCEP
300502-010	*	WESTERN WASHINGTON UNIVERSITY	CHAPPELL, S.	3048	8,031	-	-	147	8,178	431	-	8,609		TCEP
100826-010		SMITHSONIAN INSTITUTION	GARNER, J.	3048	8,488	764	-	249	9,500	-	-	9,500		TCEP
200009-022		STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	GARNER, J.	3048	640	3,578	-	-	4,218	-	-	4,218		TCEP
200225-010		PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	GARNER, J.	3048	2,740	-	-	-	2,740	1,507	-	4,248		TCEP
300557-010		OKLAHOMA STATE UNIVERSITY	GARNER, J.	3048	1,838	-	-	-	1,838	478	-	2,316		TCEP
500430-010		BIOSTL STEM COACHING, LLC, DBA: SCIENCE COACH	GARNER, J.	3048	2,005	-	-	-	2,005	301	-	2,305		TCEP
100721-010	*	OFFICE OF NAVAL RESEARCH	GARNER, J.	3048	6,521	52	-	71,498	78,070	2,366	-	80,436		TCEP
100835-010	*	U.S. DEPARTMENT OF EDUCATION	GARNER, J.	3048	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200210-010	*	NEWPORT NEWS PUBLIC SCHOOLS	GARNER, J.	3048	-	-	-	211	211	-	-	211		TCEP
200213-010	*	CHESAPEAKE PUBLIC SCHOOLS	GARNER, J.	3048	12,605	-	-	-	12,605	-	-	12,605		TCEP
300587-010	*	OLD DOMINION UNIVERSITY	GARNER, J.	3048	10,975	2,202	-	2,255	15,432	-	-	15,432		TCEP
400346-010	*	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	GARNER, J.	3048	57,530	-	-	400	57,930	-	-	57,930		TCEP
100721-010	*	OFFICE OF NAVAL RESEARCH	LONEY, M.	3048	6,329	50	-	69,395	75,774	2,296	-	78,071		TCEP
100835-010	*	U.S. DEPARTMENT OF EDUCATION	LONEY, M.	3048	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200290-010	*	YORK COUNTY SCHOOLS	LONEY, M.	3048	15,531	628	-	-	16,159	808	-	16,967		TCEP
300587-010	*	OLD DOMINION UNIVERSITY	LONEY, M.	3048	14,633	2,936	-	3,007	20,576	-	-	20,576		TCEP
400346-010	*	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LONEY, M.	3048	86,295	-	-	600	86,895	-	-	86,895		TCEP
200210-010	*	NEWPORT NEWS PUBLIC SCHOOLS	NUNNERY, J.	3048	-	-	-	211	211	-	-	211		TCEP
100835-010	*	U.S. DEPARTMENT OF EDUCATION	WEBSTER, H.	3048	29,788	6,480	-	-	36,268	19,947	-	56,215		TCEP
200290-010	*	YORK COUNTY SCHOOLS	WEBSTER, H.	3048	6,656	269	-	-	6,925	346	-	7,272		TCEP
300587-010	*	OLD DOMINION UNIVERSITY	WEBSTER, H.	3048	10,975	2,202	-	2,255	15,432	-	-	15,432		TCEP
					451,492	45,631	-	221,455	718,578	124,361	-	842,939	17.31%	
MITIGATION & ADAPTION RESEARCH INSTITUTE														
100565-010		U.S. FISH AND WILDLIFE SERVICES	PLAG, H.	6086	4,363	3,255	-	3,358	10,976	-	-	10,976		MARI
					4,363	3,255	-	3,358	10,976	-	-	10,976	0.00%	

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
VIRGINIA MODELING, ANALYSIS AND SIMULATION CENTER														
100790-011	*	NAVAL SEA SYSTEMS COMMAND	AMASON, D.	9010.3	6,402.57	931.77	-	1,529.41	8,863.76	4,767.32	-	13,631.08		VMASC
300592-010	*	OLD DOMINION UNIVERSITY	AMASON, D.	9010.3	27,728.79	-	-	-	27,728.79	-	-	27,728.79		VMASC
500390-010	*	ALEX - ALTERNATIVE EXPERTS, LLC	AMASON, D.	9010.3	3,295.16	-	-	-	3,295.16	2,141.86	-	5,437.02		VMASC
300543-010	*	OLD DOMINION UNIVERSITY	BARRACO, A.	9010.3	24,207.58	8,460.55	-	1,709.00	34,377.13	17,967.47	-	52,344.61		VMASC
100824-010	*	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	BEHR, J.	9010.3	10,948.00	427.19	-	-	11,375.18	6,256.35	-	17,631.54		VMASC
300543-010	*	OLD DOMINION UNIVERSITY	BEHR, J.	9010.3	18,155.69	6,345.41	-	1,281.75	25,782.85	13,475.61	-	39,258.46		VMASC
500394-010	*	ARCADIS ENGINEERING	BEHR, J.	9010.3	4,838.50	-	-	-	4,838.50	2,661.18	-	7,499.68		VMASC
300583-010		OLD DOMINION UNIVERSITY	BOWLES, D.	9010.3	1,107.72	-	-	-	1,107.72	-	-	1,107.72		VMASC
400448-010		MITRE CORPORATION	BOWLES, D.	9010.3	1,116.00	-	-	-	1,116.00	613.80	-	1,729.80		VMASC
100790-010	*	NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	9010.3	45,779.26	3,925.27	-	1,557.54	51,262.07	32,307.94	-	83,570.01		VMASC
100790-011	*	NAVAL SEA SYSTEMS COMMAND	COLLINS, A.	9010.3	12,805.15	1,863.54	-	3,058.82	17,727.51	9,534.65	-	27,262.16		VMASC
400431-010	*	NEW COLLEGE INSTITUTE	CVIJETIC, B.	9010.3	995.24	-	-	-	995.24	258.76	-	1,254.00		VMASC
300540-010	*	STEVENS INSTITUTE OF TECHNOLOGY	DIALLO, S.	9010.3	3,988.03	-	-	-	3,988.03	2,592.22	-	6,580.25		VMASC
300545-010	*	OLD DOMINION UNIVERSITY	DIALLO, S.	9010.3	93,600.33	38,497.49	-	36,729.19	168,827.00	-	-	168,827.00		VMASC
300592-010	*	OLD DOMINION UNIVERSITY	DIALLO, S.	9010.3	27,728.79	-	-	-	27,728.79	-	-	27,728.79		VMASC
400432-010	*	MITRE CORPORATION	DIALLO, S.	9010.3	13,459.33	3,608.27	-	-	17,067.60	9,387.18	-	26,454.77		VMASC
400439-010	*	JOHN TEMPLETON FOUNDATION	DIALLO, S.	9010.3	14,173.00	12,500.00	-	220,758.88	247,431.88	4,000.95	-	251,432.83		VMASC
500375-001	*	CAMBER CORPORATION	DIALLO, S.	9010.3	(18,524.21)	-	-	-	(18,524.21)	(12,040.74)	-	(30,564.95)		VMASC
500375-003	*	CAMBER CORPORATION	DIALLO, S.	9010.3	80,302.60	-	-	-	80,302.60	52,196.69	-	132,499.29		VMASC
500375-004	*	CAMBER CORPORATION	DIALLO, S.	9010.3	44,487.13	-	-	-	44,487.13	28,916.63	-	73,403.76		VMASC
500375-005	*	CAMBER CORPORATION	DIALLO, S.	9010.3	-	4,224.93	-	-	4,224.93	2,746.20	-	6,971.13		VMASC
500375-006	*	CAMBER CORPORATION	DIALLO, S.	9010.3	41,525.12	-	-	-	41,525.12	26,991.33	-	68,516.45		VMASC
500375-007	*	CAMBER CORPORATION	DIALLO, S.	9010.3	22,412.43	-	-	-	22,412.43	14,568.08	-	36,980.50		VMASC
500375-008	*	CAMBER CORPORATION	DIALLO, S.	9010.3	-	1,787.44	-	-	1,787.44	1,161.84	-	2,949.28		VMASC
500395-010		KADSCI	DIALLO, S.	9010.3	2,272.79	-	-	-	2,272.79	1,477.31	-	3,750.10		VMASC
500400-010		UNITED NETWORK FOR ORGAN SHARING (UNOS)	DIALLO, S.	9010.3	67,587.93	11,847.46	-	-	79,435.39	43,689.48	-	123,124.87		VMASC
500400-011	*	UNITED NETWORK FOR ORGAN SHARING (UNOS)	DIALLO, S.	9010.3	5,132.70	-	-	-	5,132.70	2,822.99	-	7,955.69		VMASC
100837-010		JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, B.	9010.3	71,208.66	17,164.23	-	-	88,372.89	22,976.96	-	111,349.85		VMASC
100841-010		JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, B.	9010.3	24,261.68	-	-	-	24,261.68	2,426.17	-	26,687.85		VMASC
200270-010		VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, B.	9010.3	-	-	-	-	-	-	-	-		VMASC
200292-010		VA PORT AUTHORITY	EZELL, B.	9010.3	-	-	-	1,193.34	1,193.34	310.15	-	1,503.49		VMASC
200297-010		VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, B.	9010.3	83,301.36	31,017.04	-	51,000.00	165,318.40	62,875.13	-	228,193.53		VMASC
200323-010		VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, B.	9010.3	20,537.18	3,000.00	-	-	23,537.18	12,945.45	-	36,482.63		VMASC
200324-010		HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, B.	9010.3	8,939.56	-	-	-	8,939.56	2,324.29	-	11,263.85		VMASC
400387-010		FOODBANK OF SOUTHEAST VA AND EASTERN SHORE	EZELL, B.	9010.3	-	-	-	326.25	326.25	84.75	-	411.00		VMASC
400428-010		CNA CORPORATION	EZELL, B.	9010.3	22,366.87	213.72	-	-	22,580.59	12,419.33	-	34,999.92		VMASC
100800-010	*	NAVAL AIR WARFARE CENTER TSD	EZELL, B.	9010.3	533.90	5.66	-	28.10	567.66	350.72	-	918.38		VMASC
200294-010	*	VA PORT AUTHORITY	EZELL, B.	9010.3	-	(114.77)	-	-	(114.77)	(30.09)	-	(144.86)		VMASC
400431-010	*	NEW COLLEGE INSTITUTE	EZELL, B.	9010.3	40.62	-	-	-	40.62	10.56	-	51.18		VMASC
500341-003	*	APPLIED RESEARCH ASSOCIATES, INC.	EZELL, B.	9010.3	13,934.37	-	-	-	13,934.37	7,663.91	-	21,598.28		VMASC
500390-010	*	ALEX - ALTERNATIVE EXPERTS, LLC	EZELL, B.	9010.3	2,196.78	-	-	-	2,196.78	1,427.90	-	3,624.68		VMASC
300540-010	*	STEVENS INSTITUTE OF TECHNOLOGY	FRYDENLUND, E.	9010.3	3,988.03	-	-	-	3,988.03	2,592.22	-	6,580.25		VMASC
300543-010	*	OLD DOMINION UNIVERSITY	FRYDENLUND, E.	9010.3	30,259.48	10,575.69	-	2,136.25	42,971.42	22,459.34	-	65,430.76		VMASC
300593-010	*	OLD DOMINION UNIVERSITY	GARCIA, H.	9010.3	24,999.10	-	-	-	24,999.10	-	-	24,999.10		VMASC

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
500375-001	*	CAMBER CORPORATION	GORE, R.	9010.3	(18,524.21)	-	-	-	(18,524.21)	(12,040.74)	-	(30,564.95)		VMASC
500375-003	*	CAMBER CORPORATION	GORE, R.	9010.3	80,302.60	-	-	-	80,302.60	52,196.69	-	132,499.29		VMASC
500375-004	*	CAMBER CORPORATION	GORE, R.	9010.3	44,487.13	-	-	-	44,487.13	28,916.63	-	73,403.76		VMASC
500375-005	*	CAMBER CORPORATION	GORE, R.	9010.3	-	4,224.93	-	-	4,224.93	2,746.20	-	6,971.13		VMASC
500375-006	*	CAMBER CORPORATION	GORE, R.	9010.3	41,525.12	-	-	-	41,525.12	26,991.33	-	68,516.45		VMASC
500375-007	*	CAMBER CORPORATION	GORE, R.	9010.3	22,412.43	-	-	-	22,412.43	14,568.08	-	36,980.50		VMASC
500375-008	*	CAMBER CORPORATION	GORE, R.	9010.3	-	1,787.44	-	-	1,787.44	1,161.84	-	2,949.28		VMASC
100790-010	*	NAVAL SEA SYSTEMS COMMAND	GORE, R.	9010.3	25,432.92	2,180.71	-	865.30	28,478.93	17,948.86	-	46,427.79		VMASC
100790-011	*	NAVAL SEA SYSTEMS COMMAND	GORE, R.	9010.3	6,402.57	931.77	-	1,529.41	8,863.76	4,767.32	-	13,631.08		VMASC
300579-010		OLD DOMINION UNIVERSITY	JOE, M.	9010.3	18,489.92	11,746.85	-	-	30,236.77	-	-	30,236.77		VMASC
400442-010		NATIONAL PARENT TEACHER ASSOCIATION	JOHNSON, J.	9010.3	6,535.58	-	-	-	6,535.58	3,463.86	-	9,999.44		VMASC
400431-010	*	NEW COLLEGE INSTITUTE	JOHNSON, J.	9010.3	995.24	-	-	-	995.24	258.76	-	1,254.00		VMASC
400432-010	*	MITRE CORPORATION	JORDAN, C.	9010.3	13,459.33	3,608.27	-	-	17,067.60	9,387.18	-	26,454.77		VMASC
500400-011	*	UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, C.	9010.3	5,132.70	-	-	-	5,132.70	2,822.99	-	7,955.69		VMASC
600225-010	*	NATO	JORDAN, C.	9010.3	4,199.66	-	-	-	4,199.66	2,309.81	-	6,509.47		VMASC
100790-010	*	NAVAL SEA SYSTEMS COMMAND	LYNCH, C.	9010.3	25,432.92	2,180.71	-	865.30	28,478.93	17,948.86	-	46,427.79		VMASC
100790-011	*	NAVAL SEA SYSTEMS COMMAND	LYNCH, C.	9010.3	6,402.57	931.77	-	1,529.41	8,863.76	4,767.32	-	13,631.08		VMASC
100800-010	*	NAVAL AIR WARFARE CENTER TSD	LYNCH, C.	9010.3	9,343.19	99.12	-	491.75	9,934.06	6,137.57	-	16,071.63		VMASC
600225-010	*	NATO	LYNCH, C.	9010.3	4,199.66	-	-	-	4,199.66	2,309.81	-	6,509.47		VMASC
100725-010		OFFICE OF NAVAL RESEARCH	MICHAELI, J.	9010.3	23,709.37	-	-	-	23,709.37	13,040.15	-	36,749.52		VMASC
300463-010		OLD DOMINION UNIVERSITY	MICHAELI, J.	9010.3	(89,762.67)	(15,526.45)	-	-	(105,289.12)	-	-	(105,289.12)		VMASC
300463-020		OLD DOMINION UNIVERSITY	MICHAELI, J.	9010.3	371,657.43	49,810.56	2,703.65	237,000.00	661,171.64	-	-	661,171.64		VMASC
300328-010		NORFOLK STATE UNIVERSITY	PADILLA, J.	9010.3	125,812.27	10,318.60	-	10,278.00	146,408.87	72,149.37	-	218,558.24		VMASC
300543-010	*	OLD DOMINION UNIVERSITY	PADILLA, J.	9010.3	30,259.48	10,575.69	-	2,136.25	42,971.42	22,459.34	-	65,430.76		VMASC
600225-010	*	NATO	PADILLA, J.	9010.3	3,149.75	-	-	-	3,149.75	1,732.36	-	4,882.11		VMASC
300518-010	*	OLD DOMINION UNIVERSITY	PAPELIS, Y.	9010.3	52,106.29	3,477.44	-	-	55,583.73	2,223.35	-	57,807.08		VMASC
300556-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	PAPELIS, Y.	9010.3	17,531.92	-	-	-	17,531.92	-	-	17,531.92		VMASC
100601-010	*	U.S. DEPARTMENT OF EDUCATION	PAPELIS, Y.	9010.3	48,301.38	1,089.76	-	6,416.20	55,807.34	12,841.70	-	68,649.03		VMASC
300556-011	*	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	PAPELIS, Y.	9010.3	12,854.02	-	-	-	12,854.02	-	-	12,854.02		VMASC
300545-010	*	OLD DOMINION UNIVERSITY	RECHNOWICZ, K.	9010.3	93,600.33	38,497.49	-	36,729.19	168,827.00	-	-	168,827.00		VMASC
300568-010	*	OLD DOMINION UNIVERSITY	RECHNOWICZ, K.	9010.3	17,564.44	-	-	-	17,564.44	-	-	17,564.44		VMASC
500368-010		PREVAILANCE, INC.	RECHOWICZ, K	9010.3	(155.12)	-	-	-	(155.12)	(50.42)	-	(205.54)		VMASC
500368-020		PREVAILANCE, INC.	RECHOWICZ, K	9010.3	4,772.71	-	-	(0.23)	4,772.48	3,102.26	-	7,874.74		VMASC
500368-030		PREVAILANCE, INC.	RECHOWICZ, K	9010.3	56,332.40	5,551.78	-	-	61,884.18	40,224.74	-	102,108.92		VMASC
300593-010	*	OLD DOMINION UNIVERSITY	RECHOWICZ, K.	9010.3	14,999.46	-	-	-	14,999.46	-	-	14,999.46		VMASC
400439-010	*	JOHN TEMPLETON FOUNDATION	RECHOWICZ, K.	9010.3	14,173.00	12,500.00	-	220,758.88	247,431.88	4,000.95	-	251,432.83		VMASC
600225-010	*	NATO	RECHOWICZ, K.	9010.3	5,249.58	-	-	-	5,249.58	2,887.27	-	8,136.84		VMASC
300462-010	*	OLD DOMINION UNIVERSITY	ROBINSON, R.	9010.3	(48,191.24)	10,101.42	-	5,491.06	(32,598.76)	-	-	(32,598.76)		VMASC
300462-020	*	OLD DOMINION UNIVERSITY	ROBINSON, R.	9010.3	148,205.66	5,479.21	-	292,390.32	446,075.19	-	-	446,075.19		VMASC
300592-010	*	OLD DOMINION UNIVERSITY	ROBINSON, R.	9010.3	27,728.79	-	-	-	27,728.79	-	-	27,728.79		VMASC
300568-010	*	OLD DOMINION UNIVERSITY	SHULL, J.	9010.3	26,345.96	-	-	-	26,345.96	-	-	26,345.96		VMASC
400433-010		JULIA ROBINSON MATHEMATICS FESTIVAL	SMITH, K.	9010.3	-	2,911.33	-	-	2,911.33	-	-	2,911.33		VMASC
100790-011	*	NAVAL SEA SYSTEMS COMMAND	SMITH, K.	9010.3	12,805.15	1,863.54	-	3,058.82	17,727.51	9,534.65	-	27,262.16		VMASC

SCHEDULE 5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY

OF AN ACADEMIC DEPARTMENT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2020

					PROJECT DIRECT COST					PROJECT IDC AND FEES				
PROJECT NUMBER			PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL , GENERAL, & TRAVEL	EQUIPMENT	SUBCONTRACTS, CONSTRUCTION, TUITION & OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	CENTER
100629-010		NORFOLK NAVAL SHIPYARD	WEISEL, E.	9010.3	-	1,577.96	-	33.84	1,611.80	516.19	-	2,127.99		VMASC
100634-010		NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	9010.3	1,368.75	-	-	119,481.77	120,850.52	492.75	-	121,343.27		VMASC
100647-010		NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	9010.3	2,778.44	43,995.55	-	-	46,773.99	16,838.64	-	63,612.63		VMASC
100830-010		NORFOLK NAVAL SHIPYARD	WEISEL, E.	9010.3	-	7,147.93	-	-	7,147.93	2,287.34	-	9,435.27		VMASC
100834-010		NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, E.	9010.3	2,248.57	25,000.00	-	324,863.42	352,111.99	17,229.28	-	369,341.27		VMASC
200302-010		VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	9010.3	294,662.79	20,211.82	-	-	314,874.61	34,111.30	-	348,985.91		VMASC
200302-020		VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	9010.3	-	25,000.00	-	387,500.00	412,500.00	2,708.33	-	415,208.33		VMASC
200302-030		VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WEISEL, E.	9010.3	-	115,950.00	-	-	115,950.00	12,561.22	-	128,511.22		VMASC
300592-010	*	OLD DOMINION UNIVERSITY	WEISEL, E.	9010.3	27,728.79	-	-	-	27,728.79	-	-	27,728.79		VMASC
300593-010	*	OLD DOMINION UNIVERSITY	WEISEL, E.	9010.3	9,999.64	-	-	-	9,999.64	-	-	9,999.64		VMASC
400193-000		NONE	WEISEL, E.	9010.3	-	20,831.96	-	-	20,831.96	-	-	20,831.96		VMASC
500379-010		D'ANGELO TECHNOLOGIES LLC	WEISEL, E.	9010.3	16,138.52	-	-	-	16,138.52	10,490.04	-	26,628.56		VMASC
500422-010		LOCKWOOD HILLS FEDERAL LLC	WEISEL, E.	9010.3	36,547.44	-	-	-	36,547.44	23,755.83	-	60,303.27		VMASC
300540-010	*	STEVENS INSTITUTE OF TECHNOLOGY	WEISEL, E.	9010.3	4,108.88	-	-	-	4,108.88	2,670.77	-	6,779.65		VMASC
100552-010	*	NATIONAL SCIENCE FOUNDATION	NELSON, M.	6093.3	12,897	192	-	525	13,615	6,937	-	20,552		VMASC
100676-010	*	NATIONAL ENDOWMENT FOR THE HUMANITIES	NELSON, M.	6093.3	6,415	1,050	-	0	7,465	4,106	-	11,571		VMASC
300472-010		VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	NELSON, M.	6093.3	3,935	-	-	-	3,935	2,164	-	6,099		VMASC
100519-010	*	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	NELSON, M.	6093.3	-	-	-	-	-	(0)	-	(0)		VMASC
300380-010	*	OLD DOMINION UNIVERSITY	NELSON, M.	6093.3	49,118	9,349	-	73,955	132,423	-	-	132,423		VMASC
100728-010		AIR FORCE MATERIAL COMMAND	SHETTY, S.	4075.3	163,266	21,189	-	111,238	295,694	101,451	-	397,144		VMASC
200273-010		CENTER FOR INNOVATIVE TECHNOLOGY	SHETTY, S.	4075.3	(2,033)	-	-	1,454	(579)	(610)	-	(1,190)		VMASC
300388-010		NORFOLK STATE UNIVERSITY	SHETTY, S.	4075.3	48,885	-	-	-	48,885	26,887	-	75,772		VMASC
300390-010		UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	4075.3	68,242	43,579	-	32,565	144,385	61,501	-	205,886		VMASC
300390-020		UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	4075.3	18,934	-	-	-	18,934	10,413	-	29,347		VMASC
300390-030		UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	4075.3	20,243	-	-	-	20,243	11,133	-	31,376		VMASC
300390-040		UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	4075.3	30,893	-	-	-	30,893	16,991	-	47,885		VMASC
300514-010		UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, S.	4075.3	44,524	-	-	-	44,524	33,560	-	78,083		VMASC
300542-010		OLD DOMINION UNIVERSITY	SHETTY, S.	4075.3	16,402	627	106	5,273	22,408	9,366	-	31,774		VMASC
400358-010		SENTARA HOSPITALS	SHETTY, S.	4075.3	60,134	20,399	-	-	80,533	44,293	-	124,825		VMASC
400424-010		ELECTRIC POWER RESEARCH INSTITUTE	SHETTY, S.	4075.3	41,066	-	-	4,965	46,031	22,586	-	68,617		VMASC
400446-010		MITRE CORPORATION	SHETTY, S.	4075.3	6,337	-	-	-	6,337	3,485	-	9,822		VMASC
500403-010		FRONTIER TECHNOLOGY INC.	SHETTY, S.	4075.3	140,949	2,476	-	-	143,425	93,226	-	236,652		VMASC
					3,253,160	679,200	2,810	2,202,703	6,137,873	1,361,292	-	7,499,164	22.18%	
					6,167,756	**1,338,020**	**217,411**	**3,170,496**	**10,893,682**	**2,971,415**	**-**	**13,865,098**	**27.28%**	

SCHEDULE 6

Sponsored Program Activity

Proposals Submitted and Awards Funded

Fiscal Year 2020 through Fiscal Year 2016

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 20	FY 19	FY 18	FY 17	FY 16	FY 20	FY 19	FY 18	FY 17	FY 16
COLLEGE OF ARTS & LETTERS										
Art	$ -	$ 5,000	$ -	$ -	$ -	$ -	$ 2,250	$ -	$ -	$ -
Communication & Theatre Arts	277,419	383,136	98,956	418,145	43,829	-	-	-	-	30,340
English	21,000	-	4,000	-	712,206	174,540	149,094	146,385	128,777	1,000
History	147,404	-	75,000	54,630	6,300	-	-	75,000	60,930	-
International Studies	1,915	-	-	-	-	-	-	-	-	-
Philosophy & Religious Studies	236,000	25,768	18,680	19,980	67,565	-	19,220	-	-	18,612
Political Science & Geography	156,184	3,174,901	629,132	3,330,522	186,390	159,580	63,475	100,415	64,773	81,285
Social Science Research Center	636,770	1,202,714	281,686	591,003	461,893	212,102	200,263	193,540	167,967	206,114
Sociology & Criminal Justice	1,448,625	1,293,575	1,588,925	610,177	3,878,504	334,955	1,079,904	599,664	951,946	442,507
Women's Studies	-	-	-	-	-	-	-	18,886	-	-
Dean's Office	5,000	4,950	4,950	96,363	58,025	2,000	2,000	-	-	-
College Total	$ 2,930,318	$ 6,090,044	$ 2,701,328	$ 5,120,820	$ 5,414,712	$ 883,177	$ 1,516,206	$ 1,133,890	$ 1,374,393	$ 779,858
% Change from prior year	-51.88%	125.45%	-47.25%	-5.43%	-31.96%	-41.75%	33.72%	-17.50%	76.24%	423.55%
Average yearly increase (decrease)	-12.64%					98.58%				
COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION										
Business Administration	$ -	$ -	$ -	$ -	$ 2,500	$ -	$ -	$ -	$ -	$ 2,500
Economics	302,411	184,407	131,296	2,684,711	473,697	111,478	153,732	100,000	113,137	83,615
Information Systems/Decision Science	211,838	1,147,060	1,644,963	3,035,573	2,222,702	217,720	196,604	338,655	296,496	18,612
Management	149,979	19,325	-	-	-	-	-	-	-	-
Marketing	80,000	569,068	-	243,271	286,630	18,750	-	-	15,000	14,999
School of Public Service	504,015	354,399	565,023	236,694	569,923	178,511	40,734	45,128	17,425	77,738
College Total	$ 1,248,243	$ 2,274,258	$ 2,341,282	$ 6,200,248	$ 3,555,452	$ 526,459	$ 391,070	$ 483,782	$ 442,058	$ 197,464
% Change from prior year	-45.11%	-2.86%	-62.24%	74.39%	-5.77%	34.62%	-19.16%	9.44%	123.87%	-27.67%
Average yearly increase (decrease)	-13.38%					18.57%				

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 20	FY 19	FY 18	FY 17	FY 16	FY 20	FY 19	FY 18	FY 17	FY 16
COLLEGE OF EDUCATION										
Center for Educ Partnerships	$ 3,478,882	$ 7,686,923	$ 22,940,225	$ 6,650,683	$ 7,772,693	$ 2,613,073	$ 999,240	$ 39,049	$ 34,404	$ 725,198
Communication Disorders and Special Education	5,597,193	12,497,236	8,552,305	16,834,358	7,622,526	4,780,228	4,965,604	3,824,280	4,292,759	3,539,575
Counseling and Human Services	817,574	1,281,136	1,390,103	1,533,580	645,822	1,262,164	339,269	334,421	369,333	73,835
Educational Foundations and Leadership	4,142,739	1,785,834	325,492	2,324,355	2,382,606	257,992	151,612	395,910	231,430	75,768
Human Movement Sciences	2,463,160	1,440,098	156,884	877,430	1,927,374	724,541	59,981	24,715	62,765	34,441
STEM Education and Professional Studies	1,643,093	1,538,044	2,039,326	1,894,113	3,048,362	56,739	345,267	358,351	376,911	470,534
Teaching and Learning	1,540,543	2,895,005	1,657,126	1,259,055	3,040,287	1,163,600	460,392	32,000	245,308	-
Dean's Office	1,184,008	619,314	702,703	4,183,851	823,334	593,830	291,720	468,185	784,748	776,000
College Total	$ 20,867,191	$ 29,743,590	$ 37,764,164	$ 35,557,426	$ 27,263,004	$ 11,452,167	$ 7,613,085	$ 5,476,911	$ 6,397,658	$ 5,695,350
% Change from prior year	-29.84%	-21.24%	6.21%	30.42%	22.83%	50.43%	39.00%	-14.39%	12.33%	1.51%
Average yearly increase (decrease)	-1.20%					20.82%				
COLLEGE OF ENGINEERING & TECHNOLOGY										
Applied Research Center - ARC	$ -	$ -	$ -	$ 197,900	$ -		$ -	$ -	$ -	$ -
Center for Advanced Engineering Environments	10,820,001	-	-	-	-		-	-	-	-
Civil & Environmental Engineering	-	11,204,420	11,070,179	9,811,865	9,094,065	1,973,951	311,001	562,086	1,147,780	1,726,005
Electrical & Computer Engineering	28,154,718	22,941,179	18,663,198	15,438,102	13,939,958	3,160,183	4,411,614	3,286,824	2,723,430	2,289,620
Engineering Management	1,292,757	5,908,403	8,964,742	10,490,564	2,742,809	1,156,104	1,090,196	736,806	446,196	157,466
Engineering Technology	3,794,061	4,781,795	6,841,175	13,828,359	6,568,428	1,117,290	1,108,725	1,469,064	312,765	1,669,592
Mechanical & Aerospace Engineering	11,327,258	21,313,788	9,837,146	5,813,200	5,971,306	1,492,622	1,830,812	1,148,510	978,171	1,366,851
Computation Modeling & Simulation Engineering	14,341,193	11,124,615	11,870,761	11,632,827	26,217,111	2,240,891	2,099,288	2,245,758	2,594,582	2,249,559
VA Commercial Space Flight Authority	-	-	-	-	-		-	-	-	-
Dean's Office	2,191,960	3,945,886	2,196,972	4,218,917	996,955	893,231	686,868	1,217,236	1,593,522	334,999
College Total	$ 71,921,949	$ 81,220,086	$ 69,444,173	$ 71,431,734	$ 65,530,632	$ 12,034,272	$ 11,538,505	$ 10,666,284	$ 9,796,447	$ 9,794,091
% Change from prior year	-11.45%	16.96%	-2.78%	9.01%	-5.10%	4.30%	8.18%	8.88%	0.02%	-54.23%
Average yearly increase (decrease)	0.83%					-8.75%				

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 20	FY 19	FY 18	FY 17	FY 16	FY 20	FY 19	FY 18	FY 17	FY 16
COLLEGE OF HEALTH SCIENCES										
Community & Environmental Health	$ 1,553,912	$ 2,320,772	$ 1,920,808	$ 2,422,111	$ 1,552,092	$ 200,167	$ 195,175	$ 108,495	$ 227,814	$ 106,949
Dental Hygiene	150,080	378,631	248,698	330,369	1,085,532	27,080	24,580	21,347	21,380	35,322
Medical Diagnostic & Translation Sciences	4,488,503	8,367,895	7,401,738	14,773,634	3,651,458	527,090	2,054,167	1,016,435	879,152	2,147,602
Nursing	5,512,357	4,003,517	741,252	1,949,918	4,407,576	1,351,763	689,031	902,948	1,928,280	1,801,399
School of Rehabilitative Sciences	111,128	283,519	2,160,993	3,218,919	1,417,021	45,145	72,727	-	88,183	12,779
Dean's Office	2,500	5,000	34,320	295,366	579,594	-	35,534	332,822	-	-
College Total	$ 11,818,480	$ 15,359,333	$ 12,507,808	$ 22,990,316	$ 12,693,272	$ 2,151,245	$ 3,071,213	$ 2,382,046	$ 3,144,809	$ 4,104,051
% Change from prior year	22.80%	22.80%	-45.60%	81.12%	-35.92%	-29.95%	28.93%	-24.25%	-23.37%	32.14%
Average yearly increase (decrease)	-8.07%					-6.15%				
COLLEGE OF SCIENCES										
Biological Sciences	$ 23,938,562	$ 19,669,550	$ 20,180,662	$ 21,225,853	$ 19,806,536	$ 2,955,001	$ 1,614,083	$ 8,630,596	$ 2,156,245	$ 2,372,424
Center for Coastal Physical Oceanography	932,389	491,479	1,505,198	6,905,188	4,265,269	584,482	491,878	984,115	483,646	640,905
Chemistry and Biochemistry	26,169,341	12,899,711	10,074,984	110,099,209	124,085,044	1,412,480	1,260,811	1,755,060	3,142,914	1,935,570
Computer Science	8,145,059	9,285,954	9,280,151	5,577,469	7,474,239	1,488,819	1,009,917	754,950	1,167,987	2,293,408
Mathematics and Statistics	2,841,263	3,621,630	7,666,647	3,261,498	3,494,460	1,404,096	987,478	809,420	607,848	406,255
Ocean, Earth & Atmospheric Sciences	11,267,053	7,595,972	7,955,365	13,842,728	19,028,932	1,043,826	2,701,640	2,311,194	4,093,621	3,700,789
Physics	6,389,451	5,893,239	9,097,709	10,824,028	14,332,714	2,281,495	4,301,120	3,208,820	2,499,353	3,325,122
Psychology	9,345,506	4,398,299	9,321,721	8,336,627	1,958,008	801,818	982,538	1,010,540	1,477,708	1,822,824
Dean's Office	250,000	1,824,722	-	643,150	-	-	-	33,600	-	-
College Total	$ 89,278,623	$ 65,680,557	$ 75,082,437	$ 180,715,749	$ 194,445,201	$ 11,972,016	$ 13,349,465	$ 19,498,294	$ 15,629,323	$ 16,497,298
% Change from prior year	35.93%	-12.52%	-58.45%	-7.06%	121.45%	-10.32%	-31.54%	24.75%	-5.26%	1.51%
Average yearly increase (decrease)	0.34%					-5.27%				

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2020 THROUGH FISCAL YEAR 2016

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 20	**FY 19**	**FY 18**	**FY 17**	**FY 16**	**FY 20**	**FY 19**	**FY 18**	**FY 17**	**FY 16**
OFFICE OF RESEARCH AND OTHER UNITS										
Office of Research	$ 959,163	$ -	$ -	$ -	$ -	$ 617,047	$ -	$ -	$ -	$ -
VMASC: Virginia Modeling, Analysis & Simulation Center	28,975,513	9,764,942	25,179,745	24,853,771	21,340,031	12,582,223	3,429,836	2,530,191	1,107,570	1,524,927
Frank Reidy Research Center for Bioelectrics	8,426,266	8,583,737	17,801,256	21,092,036	24,452,423	1,628,717	3,136,897	2,998,236	2,398,392	3,792,085
Institute for Innovation & Entrepreneurship	1,265,484	3,379,780	2,415,998	918,265	3,086,737	2,335,548	1,034,847	1,024,493	2,122,192	1,826,114
The Graduate School	199,587	3,225,288	1,767,104	-	-	150,698	139,237	750,568		
Micellaneous Units	9,616,940	4,344,078	3,771,939	5,163,059	6,127,395	829,190	1,429,573	470,002	1,706,003	581,113
Office of Research and Other Units Total	$ 49,442,954	$ 29,297,825	$ 50,936,042	$ 52,027,131	$ 55,006,587	$ 18,143,423	$ 9,170,390	$ 7,773,490	$ 7,334,156	$ 7,724,240
% Change from prior year	68.76%	-42.48%	-2.10%	-5.42%	-9.85%	97.85%	17.97%	5.99%	-5.05%	56.04%
Average yearly increase (decrease)	-3.79%					53.30%				
TOTAL UNIVERSITY ACTIVITY	$ 247,507,757	$ 229,665,693	$ 250,777,234	$ 374,043,425	$ 363,908,861	$ 57,162,759	$ 46,649,934	$ 47,414,697	$ 44,118,845	$ 44,792,351
% CHANGE FROM PRIOR YEAR	7.77%	-8.42%	-32.96%	2.78%	33.98%	22.54%	-1.61%	7.47%	-1.50%	-13.43%
Average yearly increase (decrease)	-1.77%					2.10%				
AFFILIATED UNITS										
VA Tidewater Consortium for Higher Education	$ -	$ 306,369	$ 125,615	$ 630,744	$ 2,390,142	$ 669,884	$ 661,684	$ 641,939	$ 517,182	$ 605,170
VA Space Grant Consortium	9,303,662	3,758,640	4,900,217	2,147,569	4,874,897	3,843,972	1,697,358	2,158,725	4,361,998	1,877,883
Total Affiliated Units	$ 9,303,662	$ 4,065,009	$ 5,025,832	$ 2,778,313	$ 7,265,039	$ 4,513,856	$ 2,359,042	$ 2,800,664	$ 4,879,180	$ 2,483,053
% Change from prior year	128.87%	-19.12%	80.90%	-61.76%	-58.56%	91.34%	-15.77%	-42.60%	96.50%	-35.96%
Average yearly increase (decrease)	-9.39%					3.28%				
GRAND TOTAL	$ 256,811,419	$ 233,730,702	$ 255,803,066	$ 376,821,737	$ 371,173,899	$ 61,676,615	$ 49,008,976	$ 50,215,361	$ 48,998,025	$ 47,275,404
% CHANGE FROM PRIOR YEAR	9.87%	-8.63%	-32.12%	1.52%	28.37%	25.85%	-2.40%	2.48%	3.64%	-15.00%
Average yearly increase (decrease)	-2.24%					2.18%				