Old Dominion University Research Foundation

To: Distribution

From: Dr. Shannon Robinson
Executive Director

Date: March 13, 2024

Subject: Annual Report of Sponsored Program Activity - June 30, 2023

Attached please find the Annual Report of Sponsored Program Activity for the fiscal year ended June 30, 2023. 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, 2023, 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 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 increased by 5.27% from fiscal year 2022 to $55.5million.
- Expenditures in excess of $1 million by funding source for the fiscal year were:

National Science Foundation	$ 8.9 million
U.S. Department of Education	$ 7.0 million
U.S. Department of Health and Human Services	$ 5.0 million
U.S. Department of Energy	$ 4.4 million
National Aeronautics and Space Administration	$ 3.3 million
Old Dominion University	$ 2.3 million
State Council for Higher Education in Virginia (SCHEV)	$ 1.8 million
U.S. Navy	$ 1.5 million
Virginia Department of Education	$ 1.4 million
Virginia Department of Environmental Quality	$ 1.3 million
Coastal Virginia Center for Cyber Innovation	$ 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	$ 9.6 million
Communication Disorders and Special Education	$ 5.8 million
Electrical & Computer Engineering	$ 5.1 million
Physics	$ 3.8 million
Biological Sciences	$ 3.1 million
Chemistry and Biochemistry	$ 2.5 million
Ocean & Earth Science	$ 2.4 million
Computer Sciences	$ 1.6 million
Civil & Environmental Engineering	$ 1.6 million
Mechanical and Aerospace Engineering	$ 1.5 million
Miscellaneous ODU Units	$ 1.5 million
Institute for Innovation & Entrepreneurship	$ 1.3 million
Psychology	$ 1.3 million
Nursing	$ 1.3 million
Engineering Technology	$ 1.3 million
The Center for Educational Partnerships	$ 1.0 million

- Total University proposal submissions during fiscal year 2023 increased 13.8% to $289.2 million dollars. Total University Awards funded during fiscal year 2023 decreased 2.2% from fiscal year 2022 levels to $58.2 million dollars.

Should you have any questions concerning the enclosed report please do not hesitate to contact Casey Golliher at 683-7211 (e-mail cgollihe@odu.edu) or me at 683-7210 (s4robins@odu.edu).

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 2023 through Fiscal Year 2018
Schedule 2	-	Summary of Sponsored Program Activity by Major Funding Source – Fiscal Year 2023 through Fiscal Year 2019
Schedule 3	-	Comparison of Direct Cost, Indirect Cost and Effective Indirect Cost Rates – University Units – Fiscal Year 2023 through Fiscal Year 2021
Schedule 4	-	Sponsored Program Activity Individual Project Listing Fiscal Year 2023
Schedule 5	-	Enterprise Centers Including Projects Reported as Activity of an Academic Department – Fiscal Year 2023
Schedule 6	-	Sponsored Program Activity – Proposals Submitted and Awards Funded – Fiscal Year 2023 through Fiscal Year 2019

SCHEDULE 1

Summary of Sponsored Program Activity

Fiscal Year 2023 through Fiscal Year 2018

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2018

	FY 23	FY 22	FY 21	FY 20	FY 19	FY 18
COLLEGE OF ARTS & LETTERS						
Dean's Office	$ -	$ 1,000	$ 2,000	$ 1	$ 1,999	$ -
Art	6,975	-	39	1,759	-	-
Communication & Theatre Arts	9,185	16,607	-	-	-	-
English	152,145	184,507	105,717	153,783	126,801	106,763
History	-	5,411	1,308	37,771	17,014	75,116
Political Science & Geography	380,480	299,552	134,431	97,023	74,398	77,207
Philosophy & Religious Studies	109,113	36,098	10,090	-	-	-
Philosophy & Religious Studies - Cybersecurity	65,680	-	-	16,401	2,818	-
Sociology & Criminal Justice	224,018	321,539	379,583	601,295	743,055	766,128
Women's Studies	37,181	2,500	-	-	6,465	8,255
College Total	$ 984,777	$ 867,214	$ 633,168	$ 908,033	$ 972,550	$ 1,033,470
% Change from prior year	13.56%	36.96%	-30.27%	-6.63%	-5.89%	70.94%
Average yearly increase (decrease)	-0.94%					
STROME COLLEGE OF BUSINESS						
Economics	$ 77,079	$ 74,385	$ 56,857	$ 71,744	$ 139,880	$ 123,154
Finance	8,084	-	-	-	-	-
Information Systems & Decision Sciences	48,376	260,716	267,168	254,822	224,332	95,253
Information Systems & Decision Sciences - Cybersecurity	-	-	1,619	19,348	78,759	66,241
Management	131,958	172,915	82,294	-	-	-
Marketing	7,051	8,865	-	8,953	-	13,760
Public Service	301,001	257,834	226,168	68,257	43,697	46,269
College Total	$ 573,549	$ 774,715	$ 634,106	$ 423,124	$ 486,668	$ 344,677
% Change from prior year	-25.97%	22.17%	49.86%	-13.06%	41.20%	38.81%
Average yearly increase (decrease)	13.28%					

SCHEDULE 1
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2018

	FY 23	FY 22	FY 21	FY 20	FY 19	FY 18
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES						
Dean's Office	$ 774,443	$ 796,839	$ 764,725	$ 506,302	$ 430,047	$ 498,687
Dean's Office - Cybersecurity	-	5,888	107	16,401	2,818	-
Communication Disorders and Special Education	5,780,618	5,398,785	5,024,178	4,499,676	4,231,210	3,812,902
Counseling and Human Services	677,928	607,532	587,402	422,711	368,595	299,968
Counseling and Human Services - Cybersecurity	-	4,048	8,436	1,797	-	-
Educational Foundations and Leadership	519,690	305,864	182,162	235,720	186,213	229,172
Educational Foundations and Leadership - Cybersecurity	40	810	-	-	-	-
Human Movement Sciences	781,435	526,127	428,141	206,586	9,228	30,066
STEM Education and Professional Studies	255,750	275,836	155,498	63,385	144,548	283,082
Teaching and Learning	646,406	876,604	631,020	395,707	259,091	308,853
College Total	$ 9,436,310	$ 8,798,333	$ 7,781,669	$ 6,348,286	$ 5,631,751	$ 5,462,731
% Change from prior year	7.25%	13.06%	22.58%	12.72%	3.09%	-16.18%
Average yearly increase (decrease)	14.55%					
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY						
Dean's Office	$ 53,033	$ 277,242	$ 372,513	$ 989,936	$ 1,271,521	$ 533,243
Civil & Environmental Engineering	1,552,957	1,001,572	1,037,283	742,504	942,355	1,013,126
Electrical & Computer Engineering	1,987,979	1,222,361	939,313	1,128,342	1,416,907	1,469,081
Electrical & Computer Engineering - ARC	476,462	453,992	397,949	407,780	466,449	475,757
Electrical & Computer Engineering - Bioelectrics	520,461	268,071	420,387	1,484,532	1,610,403	1,045,485
Electrical & Computer Engineering - Cybersecurity	1,118,531	758,891	405,503	635,254	838,891	65,508
Electrical & Computer Engineering - VMASC	979,834	-	-	-	-	-
Engineering Management and Systems Engineering	625,375	599,601	456,422	691,376	605,194	554,560
Engineering Management and Systems Engineering - Cybersecurity	-	-	-	-	300,740	-
Engineering Management and Systems Engineering - VMASC	-	-	-	110,832	-	-
Engineering Technology	1,255,469	659,701	380,751	286,616	432,985	726,117
Engineering Technology - VMASC	-	-	-	592,632	-	-
Mechanical & Aerospace Engineering	1,471,440	1,530,106	1,381,952	1,442,859	1,015,053	1,012,472
Mechanical & Aerospace Engineering - ARC	68,156	63,204	51,812	16,325	-	-
Computation Modeling & Simulation Engineering	-	593,178	539,644	714,939	1,735,799	567,858
Computation Modeling & Simulation Engineering - VMASC	-	1,276,161	1,602,777	1,335,995	-	690,251
Computation Modeling & Simulation Engineering - Cybersecurity	-	-	-	39,566	320,123	-
College Total	$ 10,109,698	$ 8,704,080	$ 7,986,306	$ 10,619,487	$ 10,956,419	$ 8,153,458
% Change from prior year	16.15%	8.99%	-24.80%	-3.08%	34.38%	5.38%
Average yearly increase (decrease)	4.80%					

SCHEDULE 1
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2018

	FY 23	FY 22	FY 21	FY 20	FY 19	FY 18
COLLEGE OF HEALTH SCIENCES						
Dean's Office	$ 25,054	$ -	$ -	$ 31,468	$ 44,825	$ 17,920
Community & Environmental Health	354,416	144,025	148,016	130,146	203,805	209,101
Dental Hygiene	6,766	7,724	7,493	4,849	6,225	(20,221)
Medical Diagnostic & Translational Sciences	85,384	86,826	343,322	207,806	263,858	428,063
Medical Diagnostic & Translational Sciences - Bioelectrics	512,207	748,365	690,072	1,328,351	2,031,413	2,422,581
Medical Laboratory & Radiation Sciences - VMASC	-	-	(27,653)	-	-	-
Rehabilitation Sciences	57,876	53,364	37,031	53,055	80,785	122,050
College Total	$ 1,041,703	$ 1,040,304	$ 1,198,281	$ 1,755,674	$ 2,630,911	$ 3,179,493
% Change from prior year	0.13%	-13.18%	-31.75%	-33.27%	-17.25%	1.58%
Average yearly increase (decrease)	-13.45%					
COLLEGE OF SCIENCES						
Dean's Office	$ 10,854	$ -	$ -	$ 7,803	$ 37,964	$ -
Biological Sciences	3,050,878	2,567,498	2,550,614	2,795,851	2,755,586	2,535,072
Center for Coastal Physical Oceanography	445,478	746,890	944,135	1,056,101	811,361	822,626
Center for Coastal Physical Oceanography - MARI	-	-	-	10,976	40,412	107,505
Chemistry and Biochemistry	2,540,714	2,350,872	1,790,205	1,766,205	2,393,826	2,315,738
Chemistry and Biochemistry - ARC	-	-	-	4,319	3,917	357
Chemistry and Biochemistry - Bioelectrics	-	88,565	11,853	-	-	-
Computer Science	1,392,365	1,198,631	1,002,353	947,914	1,008,821	1,538,808
Computer Science - Cybersecurity	56,159	181,005	140,946	102,992	317,670	-
Computer Science - VMASC	121,584	112,800	37,669	170,644	107,538	-
Mathematics and Statistics	758,297	693,679	834,139	1,001,018	915,496	833,920
Ocean & Earth Science	2,447,243	1,982,134	1,663,460	2,213,734	2,839,369	2,606,361
Ocean & Earth Science - SSRP	-	-	-	-	-	499,463
Physics	3,733,750	3,608,002	3,573,217	3,702,326	3,874,396	3,439,875
Psychology	1,329,640	1,258,540	934,080	846,328	724,267	1,192,251
Psychology- Cybersecurity	7,284	10,490	-	-	-	-
College Total	$ 15,894,246	$ 14,799,106	$ 13,482,671	$ 14,626,211	$ 15,830,622	$ 15,891,977
% Change from prior year	7.40%	9.76%	-7.82%	-7.61%	-0.39%	-0.75%
Average yearly increase (decrease)	0.00%					

SCHEDULE 1

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF SPONSORED PROGRAM ACTIVITY

(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2018

	FY 23	FY 22	FY 21	FY 20	FY 19	FY 18
OFFICE OF RESEARCH AND OTHER UNITS						
Center for Educational Partnerships	$ 1,030,061	$ 1,108,630	$ 1,075,947	$ 842,939	$ 479,755	$ 555,811
VMASC: Virginia Modeling, Analysis & Simulation Center	9,555,057	9,427,909	7,677,760	5,289,061	3,699,337	2,574,951
Frank Reidy Research Center for Bioelectrics	460,688	1,048,387	1,412,586	924,223	963,475	1,528,092
Social Science Research Center	308,252	238,868	158,591	144,726	148,221	208,762
Center for Bioelectronics	337,972	221,683	154,790	-	-	-
Nursing	1,258,596	1,069,646	1,128,753	631,623	647,734	1,077,828
Center for Cybersecurity	948,891	1,061,528	78,916	-	-	-
The Graduate School	131,203	113,118	487,368	97,345	81,109	169,352
University Libraries	62,490	8,530	-	-	-	-
International Programs	11,144	-	-	-	-	-
Student Services	525,327	381,681	-	-	-	-
Institute for Innovation & Entrepreneurship	1,343,694	1,976,283	1,500,990	1,184,410	1,174,567	1,313,045
Miscellaneous ODU Units	795,158	550,856	339,913	918,075	832,665	859,658
Miscellaneous ODU Units - Cybersecurity	674,772	502,035	207,631	370,004	217,001	184,928
Miscellaneous ODU Units - VMASC	-	13,054	-	-	-	-
Total Other Units	$ 17,443,306	$ 17,722,208	$ 14,223,245	$ 10,402,406	$ 8,243,864	$ 8,472,426
% Change from prior year	-1.57%	24.60%	36.73%	26.18%	-2.70%	-32.97%
Average yearly increase (decrease)	21.18%					
TOTAL UNIVERSITY ACTIVITY	$ 55,483,588	$ 52,705,960	$ 45,939,446	$ 45,083,222	$ 44,752,785	$ 42,538,232
% CHANGE FROM PRIOR YEAR	5.27%	14.73%	1.90%	0.74%	5.21%	-9.28%
Average yearly increase (decrease)	6.09%					
AFFILIATED ACTIVITY						
Virginia Tidewater Consortium for Higher Education	-	193,110	571,298	541,907	662,057	576,141
Virginia Space Grant Consortium	4,756,264	3,623,742	3,239,152	3,240,748	3,486,217	3,485,841
TOTAL AFFILIATED ACTIVITY	$ 4,756,264	$ 3,816,852	$ 3,810,450	$ 3,782,655	$ 4,148,274	$ 4,061,982
% CHANGE FROM PRIOR YEAR	24.61%	0.17%	0.73%	-8.81%	2.12%	-0.31%
Average yearly increase (decrease)	3.42%					
GRAND TOTAL	60,239,853	56,522,812	49,749,896	48,865,877	48,901,059	46,600,214

SCHEDULE 2

Summary of University Activity

Major Funding Source

Fiscal Year 2023 through Fiscal Year 2019

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE
(MEASURED BY EXPENDITURES INCURRED)
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

FUNDING SOURCE / AGENCY	FY23 Amount	FY23 Percent of Total	FY22 Amount	FY22 Percent of Total	FY21 Amount	FY21 Percent of Total	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total
FEDERAL										
NATIONAL SCIENCE FOUNDATION	$ 8,909,450	14.8%	$ 7,342,441	13.0%	$ 5,583,997	11.2%	$ 6,472,115	13.2%	$ 8,433,159	17.2%
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	4,924,539	8.2%	4,509,691	8.0%	4,938,749	9.9%	5,305,256	10.9%	5,989,608	12.2%
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	2,692,654	4.5%	1,649,603	2.9%	1,708,492	3.4%	1,931,690	4.0%	2,383,714	4.9%
U.S. DEPARTMENT OF EDUCATION	1,852,762	3.1%	1,253,826	2.2%	1,212,364	2.4%	1,271,400	2.6%	1,197,367	2.4%
U.S. DEPARTMENT OF ENERGY	1,754,527	2.9%	1,485,545	2.6%	1,412,282	2.8%	1,526,120	3.1%	1,468,616	3.0%
U.S. NAVY	1,005,799	1.7%	1,884,843	3.3%	1,314,058	2.6%	2,399,234	4.9%	3,064,766	6.3%
SMALL BUSINESS ADMINISTRATION	565,209	0.9%	717,558	1.3%	811,646	1.6%	588,860	1.2%	472,226	1.0%
NATIONAL SECURITY AGENCY	407,718	0.7%	333,365	0.6%	66,063	0.1%	82,733	0.2%	113,989	0.2%
U.S. DEPARTMENT OF COMMERCE	368,848	0.6%	500,229	0.9%	405,496	0.8%	408,904	0.8%	183,203	0.4%
U.S. DEPARTMENT OF TRANSPORTATION	320,927	0.5%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
U.S. DEPARTMENT OF DEFENSE	202,094	0.3%	219,611	0.4%	287,422	0.6%	179,199	0.4%	146,561	0.3%
INSTITUTE OF MUSEUM AND LIBRARY SERVICES	194,662	0.3%	61,607	0.1%	13,080	0.0%	(1)	0.0%	78,293	0.2%
FERMI NATIONAL ACCELERATOR LABORATORY	192,876	0.3%	219,723	0.4%	180,451	0.4%	260,965	0.5%	373,702	0.8%
AMES RESEARCH LABS	188,171	0.3%	204,604	0.4%	218,873	0.4%	187,742	0.4%	224,239	0.5%
U.S. DEPARTMENT OF AGRICULTURE	93,685	0.2%	81,131	0.1%	43,732	0.1%	74,916	0.2%	175,568	0.4%
U.S. DEPARTMENT OF JUSTICE	91,043	0.2%	137,808	0.2%	122,426	0.2%	218,227	0.4%	185,806	0.4%
NATIONAL ENDOWMENT FOR THE HUMANITIES	87,185	0.1%	236,532	0.4%	37,901	0.1%	31,024	0.1%	26,185	0.1%
LOS ALAMOS NATIONAL LABORATORIES	81,587	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
NATIONAL PARK SERVICE	80,386	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	63,773	0.1%	202,573	0.4%	105,709	0.2%	-	0.0%	-	0.0%
U.S. AIR FORCE	57,215	0.1%	236,576	0.4%	249,880	0.5%	547,168	1.1%	555,232	1.1%
U.S. ARMY	51,516	0.1%	8,002	0.0%	213,284	0.4%	499,768	1.0%	252,225	0.5%
OAK RIDGE NATIONAL LABORATORY	-	0.0%	-	0.0%	649	0.0%	60,133	0.1%	30,521	0.1%
U.S. FISH AND WILDLIFE SERVICES	-	0.0%	-	0.0%	-	0.0%	10,976	0.0%	66,331	0.1%
BROOKHAVEN NATIONAL LABORATORY	-	0.0%	8,417	0.0%	86,284	0.2%	120,229	0.2%	37,628	0.1%
OTHER FEDERAL	44,486	0.1%	149,401	0.3%	82,424	0.2%	89,537	0.2%	81,897	0.2%
SUBTOTAL FEDERAL	24,231,112	40.2%	$ 21,443,086	37.9%	$ 19,095,262	38.4%	$ 22,266,195	45.6%	$ 25,540,836	52.2%
STATE & LOCAL GOVERNMENT AND AGREEMENTS WITH OTHER UNIVERSITIES										
OLD DOMINION UNIVERSITY - SEE NOTE	$ 14,809,043	24.6%	$ 13,688,756	24.2%	$ 12,053,745	24.2%	$ 10,963,522	22.4%	$ 9,940,511	20.3%
STATE COUNCIL FOR HIGHER EDUCATION IN VIRGINIA (SCHEV)	1,210,177	2.0%	933,696	1.7%	722,709	1.5%	770,053	1.6%	858,379	1.8%
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	685,737	1.1%	734,723	1.3%	585,292	1.2%	389,892	0.8%	338,460	0.7%
HAMPTON ROADS SANITATION DISTRICT COMMISSION	547,540	0.9%	464,477	0.8%	709,059	1.4%	328,485	0.7%	242,952	0.5%
STEVENS INSTITUTE OF TECHNOLOGY	481,438	0.8%	414,244	0.7%	-	0.0%	19,940	0.0%	-	0.0%
UNIVERSITY OF OREGON	449,280	0.7%	581,139	1.0%	474,545	1.0%	317,833	0.7%	268,443	0.5%
VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	439,507	0.7%	485,560	0.9%	577,129	1.2%	264,676	0.5%	242,109	0.5%
HAMPTON UNIVERSITY	421,103	0.7%	706,220	1.2%	279,755	0.6%	90,952	0.2%	84,372	0.2%
HOWARD UNIVERSITY	397,545	0.7%	238,950	0.4%	83,156	0.2%	-	0.0%	-	0.0%
NORFOLK PUBLIC SCHOOLS	387,209	0.6%	398,831	0.7%	127,917	0.3%	89,713	0.2%	-	0.0%
VIRGINIA DEPARTMENT OF VETERANS SERVICES	385,727	0.6%	756,952	1.3%	-	0.0%	-	0.0%	-	0.0%
UNIVERSITY OF VIRGINIA	363,256	0.6%	294,371	0.5%	276,032	0.6%	380,780	0.8%	555,268	1.1%
VIRGINIA DEPARTMENT OF MOTOR VEHICLES	275,860	0.5%	226,814	0.4%	192,128	0.4%	194,690	0.4%	153,096	0.3%
VIRGINIA TRANSPORTATION RESEARCH COUNCIL	271,517	0.5%	197,848	0.4%	285,651	0.6%	204,681	0.4%	35,587	0.1%
STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	267,937	0.4%	288,080	0.5%	232,388	0.5%	195,860	0.4%	183,320	0.4%
VA INSTITUTE OF MARINE SCIENCE	264,491	0.4%	288,750	0.5%	276,729	0.6%	304,124	0.6%	255,519	0.5%
GEORGE MASON UNIVERSITY	224,927	0.4%	135,649	0.2%	179,815	0.4%	213,372	0.4%	104,373	0.2%
EAST CAROLINA UNIVERSITY	212,487	0.4%	170,613	0.3%	158,169	0.3%	59,831	0.1%	2,175	0.0%
EASTERN VIRGINIA MEDICAL SCHOOL	211,821	0.4%	213,990	0.4%	129,442	0.3%	76,336	0.2%	83,473	0.2%
UNIVERSITY OF DELAWARE	195,590	0.3%	115,227	0.2%	48,781	0.1%	41,525	0.1%	-	0.0%
MICHIGAN STATE UNIVERSITY	187,064	0.3%	140,068	0.2%	92,048	0.2%	116,081	0.2%	119,238	0.2%
UNIVERSITY OF NORTH CAROLINA	181,856	0.3%	32,292	0.1%	1,327	0.0%	16,112	0.0%	17,084	0.0%
VERMONT AGENCY OF EDUCATION	162,619	0.3%	159,003	0.3%	116,853	0.2%	117,105	0.2%	-	0.0%
VIRGINIA DEPARTMENT OF ECONOMIC DEVELOPMENT	147,765	0.2%	366,813	0.6%	600,679	1.2%	892,705	1.8%	-	0.0%
UNIVERSITY OF SOUTH FLORIDA	115,557	0.2%	49,153	0.1%	87,506	0.2%	9,138	0.0%	-	0.0%
STONY BROOK UNIVERSITY	105,877	0.2%	76,531	0.1%	68,032	0.1%	22,669	0.0%	-	0.0%
VIRGINIA COMMONWEALTH UNIVERSITY	105,413	0.2%	192,490	0.3%	76,485	0.2%	15,701	0.0%	35,082	0.1%
VIRGINIA DEPARTMENT OF BEHAVIORAL HEALTH AND DEVELOPMENTAL SERVICES	96,776	0.2%	89,642	0.2%	69,847	0.1%	37,660	0.1%	-	0.0%
HAMPTON ROADS PLANNING DISTRICT COMMISSION	89,383	0.1%	115,418	0.2%	53,785	0.1%	32,264	0.1%	-	0.0%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

FUNDING SOURCE / AGENCY	FY23 Amount	FY23 Percent of Total	FY22 Amount	FY22 Percent of Total	FY21 Amount	FY21 Percent of Total	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total
VIRGINIA COMMUNITY COLLEGE SYSTEM	87,389	0.1%	78,897	0.1%	115,500	0.2%	35,031	0.1%	67,126	0.1%
MONTANA STATE UNIVERSITY NORTHERN	87,369	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
LOUISIANA STATE UNIVERSITY	78,814	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
COLLEGE OF WILLIAM AND MARY	72,164	0.1%	10,079	0.0%	112,321	0.2%	24,962	0.1%	9,016	0.0%
PENNSYLVANIA STATE UNIVERSITY	70,243	0.1%	121,590	0.2%	67,340	0.1%	29,450	0.1%	20,350	0.0%
VIRGINIA DEPARTMENT OF CRIMINAL JUSTICE	68,743	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
NEW YORK UNIVERSITY	67,945	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
UNIVERSITY OF CALIFORNIA (ALL CAMPUSES)	63,816	0.1%	105,105	0.2%	36,860	0.1%	4,843	0.0%	-	0.0%
NEWPORT NEWS PUBLIC SCHOOLS	63,517	0.1%	100,319	0.2%	21,154	0.0%	2,106	0.0%	4,530	0.0%
VIRGINIA DEPARTMENT OF EDUCATION	58,427	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
VIRGINIA INNOVATION PARTNERSHIP CORPORATION (PREVIOUSLY CIT)	56,899	0.1%	51,135	0.1%	41,965	0.1%	41,997	0.1%	155,448	0.3%
WESTERN WASHINGTON UNIVERSITY	53,547	0.1%	35,341	0.1%	77,706	0.2%	54,880	0.1%	49,558	0.1%
NORFOLK STATE UNIVERSITY	39,725	0.1%	66,323	0.1%	396,762	0.8%	304,481	0.6%	327,700	0.7%
SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY	39,382	0.1%	88,495	0.2%	25,736	0.1%	59,681	0.1%	15,951	0.0%
VIRGINIA STATE UNIVERSITY	29,504	0.0%	50,560	0.1%	51,814	0.1%	16,325	0.0%	-	0.0%
UNIVERSITY OF CINCINNATI	28,287	0.0%	116,902	0.2%	108,585	0.2%	46,209	0.1%	-	0.0%
VIRGINIA DEPARTMENT OF TRANSPORTATION	16,924	0.0%	22,152	0.0%	10,823	0.0%	-	0.0%	59,797	0.1%
TEMPLE UNIVERSITY	13,074	0.0%	30,872	0.1%	52,551	0.1%	67,054	0.1%	74,952	0.2%
CITY OF VIRGINIA BEACH	10,332	0.0%	105,168	0.2%	15,600	0.0%	16,726	0.0%	46,010	0.1%
TEXAS A&M UNIVERSITY	3,286	0.0%	30,234	0.1%	-	0.0%	50,832	0.1%	206,563	0.4%
VIRGINIA DEPARTMENT OF AGRICULTURE	612	0.0%	399	0.0%	6,738	0.0%	32,694	0.1%	55,520	0.1%
VIRGINIA DEPARTMENT OF MINES, MINERALS, AND ENERGY	-	0.0%	201,872	0.4%	304,809	0.6%	352,482	0.7%	-	0.0%
COLORADO SCHOOL OF MINES	-	0.0%	163,734	0.3%	35,924	0.1%	104,564	0.2%	214,465	0.4%
WOODS HOLE OCEANOGRAPHIC INSTITUTION	-	0.0%	41,877	0.1%	68,029	0.1%	-	0.0%	-	0.0%
DUKE UNIVERSITY	-	0.0%	25,124	0.0%	60,158	0.1%	35,813	0.1%	-	0.0%
UNIVERSITY OF MAINE	-	0.0%	3,382	0.0%	12,179	0.0%	74,224	0.2%	86,750	0.2%
VIRGINIA GOVERNOR'S OFFICE	-	0.0%	-	0.0%	157,251	0.3%	359,402	0.7%	308,404	0.6%
NORTH CAROLINA STATE UNIVERSITY	-	0.0%	-	0.0%	11,225	0.0%	-	0.0%	-	0.0%
FLORIDA FISH & WILDLIFE CONSERVATION COMMISSION	-	0.0%	-	0.0%	3,912	0.0%	7,805	0.0%	69,643	0.1%
UNIVERSITY OF SOUTHERN MISSISSIPPI	-	0.0%	-	0.0%	609	0.0%	38,568	0.1%	28,112	0.1%
VIRGINIA MARINE RESOURCES COMMISSION (VMRC)	-	0.0%	-	0.0%	-	0.0%	47,044	0.1%	272,292	0.6%
IOWA STATE UNIVERSITY	-	0.0%	-	0.0%	-	0.0%	72,911	0.1%	55,263	0.1%
VIRGINIA PORT AUTHORITY	-	0.0%	-	0.0%	-	0.0%	1,359	0.0%	18,783	0.0%
TIDEWATER COMMUNITY COLLEGE	-	0.0%	-	0.0%	-	0.0%	-	0.0%	53,702	0.1%
THE CATHOLIC UNIVERSITY OF AMERICA	-	0.0%	-	0.0%	-	0.0%	-	0.0%	17,418	0.0%
ROCHESTER INSTITUTE OF TECHNOLOGY	-	0.0%	-	0.0%	-	0.0%	-	0.0%	18,967	0.0%
ARIZONA STATE UNIVERSITY	-	0.0%	-	0.0%	(207)	0.0%	68,682	0.1%	111,238	0.2%
CRATER PLANNING DISTRICT COMMISSION	-	0.0%	-	0.0%	(3,451)	0.0%	194,592	0.4%	158,477	0.3%
UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	(339)	0.0%	243,652	0.4%	293,631	0.6%	392,577	0.8%	231,972	0.5%
OTHER STATE, LOCAL AND UNIVERSITIES	599,330	1.0%	416,438	0.7%	321,307	0.6%	304,370	0.6%	239,380	0.5%
SUBTOTAL STATE, LOCAL & UNIVERSITIES	$ 25,303,492	42.0%	$ 24,665,950	43.6%	$ 20,965,835	42.1%	$ 19,007,364	38.9%	$ 16,496,828	33.7%
PRIVATE AND OTHER SPONSORS										
JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	$ 1,617,940	2.7%	$ 1,608,965	2.8%	1,466,426	2.9%	1,201,787	2.5%	1,037,551	2.1%
INSTITUTE FOR ADVANCED LEARNING & RESEARCH	888,426	1.5%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
REINVENT HAMPTON ROADS	844,764	1.4%	816,856	1.4%	15,552	0.0%	57,575	0.1%	22,737	0.0%
FRONTIER TECHNOLOGY INC.	684,365	1.1%	269,844	0.5%	355,837	0.7%	269,650	0.6%	25,799	0.1%
THE NATIONAL ACADEMIES	643,790	1.1%	579,885	1.0%	481,134	1.0%	477,689	1.0%	457,152	0.9%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

FUNDING SOURCE / AGENCY	FY23 Amount	FY23 Percent of Total	FY22 Amount	FY22 Percent of Total	FY21 Amount	FY21 Percent of Total	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total
NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	601,668	1.0%	583,247	1.0%	624,699	1.3%	474,265	1.0%	465,890	1.0%
JOHN TEMPLETON FOUNDATION	488,010	0.8%	1,247,423	2.2%	$ 1,654,859	3.3%	$ 502,866	1.0%	$ -	0.0%
ADVANCED TECHNOLOGY INTERNATIONAL	447,137	0.7%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
CIRCADENCE	414,020	0.7%	549,756	1.0%	387,168	0.8%	-	0.0%	-	0.0%
NON-DISCLOSED SPONSOR	278,868	0.5%	-	0.0%	-	0.0%	-	0.0%	12,934	0.0%
NATIONAL CENTER FOR TEACHER RESIDENCIES	220,000	0.4%	227,518	0.4%	152,866	0.3%	-	0.0%	-	0.0%
CONRAD	169,755	0.3%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
SENTARA HOSPITALS	161,289	0.3%	-	0.0%	274,718	0.6%	124,825	0.3%	295,977	0.6%
OPEN TECHNOLOGY FUND	157,340	0.3%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
EWING MARION KAUFFMAN FOUNDATION	144,608	0.2%	94,513	0.2%	40,869	0.1%	-	0.0%	-	0.0%
LIFT TECHNOLOGY OPERATED BY ALMMII	140,898	0.2%	217,242	0.4%	-	0.0%	-	0.0%	-	0.0%
BOOZ ALLEN AND HAMILTON, INC. (BAH)	124,145	0.2%	124,080	0.2%	-	0.0%	-	0.0%	-	0.0%
UNITED NETWORK FOR ORGAN SHARING (UNOS)	123,711	0.2%	119,453	0.2%	208,497	0.4%	139,036	0.3%	24,039	0.0%
VALKYRIE ENTERPRISES, INC.	111,680	0.2%	307,928	0.5%	301,311	0.6%	-	0.0%	-	0.0%
VA TECH ARC	104,359	0.2%	486,038	0.9%	13,781	0.0%	-	0.0%	-	0.0%
LYNNTECH, INC.	95,660	0.2%	70,876	0.1%	6,569	0.0%	26,931	0.1%	-	0.0%
SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	91,653	0.2%	133,785	0.2%	219,063	0.4%	220,918	0.5%	246,227	0.5%
NATIONAL PARK FOUNDATION	89,429	0.1%	87,817	0.2%	71,426	0.1%	29,716	0.1%	-	0.0%
NATIONAL ACADEMY OF SCIENCES (NAS)	89,002	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
MEMORIAL SLOAN KETTERING CANCER CENTER	88,570	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
DESIGN INTERACTIVE, INC.	74,817	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
CENTER FOR MIND AND CULTURE	68,787	0.1%	174,441	0.3%	109,675	0.2%	930	0.0%	7,436	0.0%
CHESAPEAKE BAY TRUST	67,216	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
PULSE BIOSCIENCES (ELECTROBLATE)	64,505	0.1%	442,529	0.8%	640,441	1.3%	603,786	1.2%	705,637	1.4%
LOCAL INITIATIVES SUPPORT	62,482	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
AMERICAN HEART ASSOCIATION	58,340	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
BISHOP MUSEUM	57,960	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
NALU SCIENTIFIC	56,645	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
ABS GLOBAL GOVERNMENT SERVICES	56,551	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
LIONS OF DISTRICT 24-I	52,092	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
APPLIED RESEARCH LLC	49,277	0.1%	39,531	0.1%	51,177	0.1%	110,708	0.2%	43,105	0.1%
MEDICAL CYBERWORLDS, INC.	40,239	0.1%	55,176	0.1%	-	0.0%	-	0.0%	-	0.0%
VR REHAB, INC.	39,470	0.1%	31,038	0.1%	27,175	0.1%	77,384	0.2%	45,071	0.1%
KEVIRX, INC.	30,437	0.1%	53,510	0.1%	-	0.0%	-	0.0%	-	0.0%
EMBODY	25,285	0.0%	92,952	0.2%	78,798	0.2%	42,083	0.1%	2,859	0.0%
EPIC GAMES, INC.	24,423	0.0%	50,576	0.1%	-	0.0%	-	0.0%	-	0.0%
SPENCER FOUNDATION	21,844	0.0%	32,056	0.1%	16,689	0.0%	68,084	0.1%	7,384	0.0%
PROTOCOL LABS	19,591	0.0%	51,269	0.1%	-	0.0%	-	0.0%	-	0.0%
CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS	12,844	0.0%	41,321	0.1%	14,328	0.0%	55,604	0.1%	33,280	0.1%
CHILDREN'S HEALTH FOUNDATION	12,472	0.0%	84,262	0.1%	71,214	0.1%	79,421	0.2%	69,372	0.1%
ALEX – ALTERNATIVE EXPERTS, LLC	6,626	0.0%	2,280	0.0%	3,431	0.0%	9,062	0.0%	85,309	0.2%
COMMONWEALTH TRANSFUSION FOUNDATION	2,512	0.0%	4,134	0.0%	125,266	0.3%	-	0.0%	-	0.0%
GREAT LAKES SYSTEMS AND TECHNOLOGY	1,784	0.0%	14,752	0.0%	30,252	0.1%	78,212	0.2%	-	0.0%
LIFENET	181	0.0%	1,392	0.0%	56,132	0.1%	114,452	0.2%	104,238	0.2%
MANTECH	(2,598)	0.0%	120,690	0.2%	230,638	0.5%	-	0.0%	-	0.0%
D'ANGELO TECHNOLOGIES LLC	-	0.0%	147,605	0.3%	156,432	0.3%	26,629	0.1%	35,271	0.1%
JEFFRESS RESEARCH GRANTS PROGRAM	-	0.0%	30,970	0.1%	190,877	0.4%	305,809	0.6%	79,919	0.2%
LOCKWOOD HILLS	-	0.0%	22,305	0.0%	162,203	0.3%	60,303	0.1%	-	0.0%
CAMBER CORPORATION	-	0.0%	22,121	0.0%	339,637	0.7%	581,511	1.2%	311,458	0.6%
HAZEN AND SAWYER, P.C.	-	0.0%	20,942	0.0%	62,373	0.1%	51,095	0.1%	-	0.0%
MITRE CORPORATION	-	0.0%	10,000	0.0%	115,490	0.2%	80,439	0.2%	11,250	0.0%
TED TEXT LLC	-	0.0%	1	0.0%	58,649	0.1%	-	0.0%	-	0.0%
DURO WORKFORCE	-	0.0%	-	0.0%	54,137	0.1%	33,362	0.1%	-	0.0%
PREVAILANCE, INC.	-	0.0%	-	0.0%	19,165	0.0%	109,778	0.2%	53,003	0.1%
ELECTRIC POWER RESEARCH INSTITUTE	-	0.0%	-	0.0%	6,367	0.0%	68,617	0.1%	-	0.0%
APPLIED RESEARCH ASSOCIATES, INC.	-	0.0%	-	0.0%	1,639	0.0%	21,598	0.0%	19,453	0.0%
OCEAN BAY, LLC	-	0.0%	-	0.0%	776	0.0%	-	0.0%	71,939	0.1%
GENEDGE ALLIANCE - (FORMERLY PHILPOTT MANUFACTURING CENTER)	-	0.0%	-	0.0%	-	0.0%	-	0.0%	54,135	0.1%
WR SYSTEMS, LTD.	-	0.0%	-	0.0%	-	0.0%	-	0.0%	252,545	0.5%
HOGAN-LOVELLS	-	0.0%	-	0.0%	-	0.0%	-	0.0%	187,384	0.4%
CACI, INC.--FEDERAL	-	0.0%	-	0.0%	-	0.0%	-	0.0%	82,909	0.2%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

FUNDING SOURCE / AGENCY	FY23 Amount	FY23 Percent of Total	FY22 Amount	FY22 Percent of Total	FY21 Amount	FY21 Percent of Total	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total
BATTELLE CORPORATION	-	0.0%	-	0.0%	-	0.0%	-	0.0%	6,268	0.0%
COMMONWEALTH CTR ADV MANUFACT	-	0.0%	-	0.0%	-	0.0%	110,270	0.2%	76,656	0.2%
ENGILITY	-	0.0%	-	0.0%	-	0.0%	42,687	0.1%	93,518	0.2%
OPPORTUNITY, INC.	-	0.0%	-	0.0%	-	0.0%	52,164	0.1%	121,344	0.2%
PLASSER AMERICAN CORPORATION	-	0.0%	-	0.0%	-	0.0%	-	0.0%	35,480	0.1%
PEW CHARITABLE TRUSTS	-	0.0%	-	0.0%	-	0.0%	-	0.0%	81,025	0.2%
MIDLAND GEOSPATIAL SUPPORT SERVICES JOINT VENTURE	-	0.0%	-	0.0%	-	0.0%	-	0.0%	14,916	0.0%
AMERICAN COUNCIL OF LEARNED SOCIETIES	-	0.0%	-	0.0%	-	0.0%	-	0.0%	(15,000)	0.0%
BEM CONTROLS, LLC	-	0.0%	-	0.0%	-	0.0%	-	0.0%	53,882	0.1%
WILDLIFE MANAGEMENT INSTITUTE	-	0.0%	-	0.0%	-	0.0%	8,602	0.0%	53,808	0.1%
PULSE CENTERS	-	0.0%	-	0.0%	-	0.0%	-	0.0%	343	0.0%
OHIO SUICIDE PREVENTION FOUNDATION	-	0.0%	-	0.0%	-	0.0%	11,891	0.0%	52,950	0.1%
THE WISTAR INSTITUTE	-	0.0%	-	0.0%	-	0.0%	14,315	0.0%	8,926	0.0%
TRANSIENT PLASMA SYSTEMS, INC.	-	0.0%	-	0.0%	(171)	0.0%	-	0.0%	11,614	0.0%
OTHER PRIVATE	559,522	0.9%	723,746	1.3%	329,504	0.7%	868,380	1.8%	824,058	1.7%
SUBTOTAL PRIVATE	$ 10,284,391	17.1%	$ 9,794,825	17.3%	$ 9,227,069	18.5%	$ 7,212,434	14.8%	$ 6,271,051	12.8%
FOREIGN										
UNIVERSITAT OF KONSTANZ	$ 222,799	0.4%	$ 171,190	0.3%	$ -	0.0%	$ -	0.0%	$ -	0.0%
INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL RESOURCES (IUCN)	65,022	0.1%	82,907	0.1%	269,485	0.5%	190,918	0.4%	157,874	0.3%
CEFIC CES - SILICONES EUROPE	63,884	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
NATO	28,920	0.0%	255,163	0.5%	143,773	0.3%	65,012	0.1%	-	0.0%
SOUTHAMPTON UNIVERSITY	-	0.0%	-	0.0%	-	0.0%	-	0.0%	183,197	0.4%
FERRING PHARMACEUTICALS INC.	-	0.0%	-	0.0%	-	0.0%	-	0.0%	37,631	0.1%
UNIVERSITY OF AGDER	-	0.0%	-	0.0%	(635)	0.0%	-	0.0%	85,040	0.2%
OTHER FOREIGN	40,233	0.1%	109,691	0.2%	49,107	0.1%	123,956	0.3%	128,604	0.3%
SUBTOTAL FOREIGN	$ 420,858	0.7%	$ 618,951	1.1%	$ 461,730	0.9%	$ 379,886	0.8%	$ 592,346	1.2%
TOTAL	$ 60,239,853	100.0%	$ 56,522,812	100.0%	$ 49,749,896	100.0%	$ 48,865,879	100.0%	$ 48,901,061	100.0%

NOTE: CERTAIN AGENCIES REQUIRE DIRECT AWARD TO OLD DOMINION UNIVERSITY. THE FOLLOWING REPRESENTS THE EXPENDITURES BY AGENCY ON PROJECTS PASSED THROUGH BY THE UNIVERSITY.

OLD DOMINION UNIVERSITY PASS THROUGH FROM:										
U.S. DEPARTMENT OF EDUCATION	$ 5,193,468	8.6%	$ 4,697,004	8.3%	$ 4,985,050	10.0%	$ 4,155,422	8.5%	$ 4,192,457	8.6%
ODU	2,315,663	3.8%	1,748,672	3.1%	618,262	1.2%	361,482	0.7%	162,846	0.3%
VIRGINIA DEPARTMENT OF EDUCATION	1,320,802	2.2%	763,750	1.4%	854,551	1.7%	643,908	1.3%	533,651	1.1%
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY	1,250,060	2.1%	1,300,527	2.3%	1,298,211	2.6%	1,068,010	2.2%	964,240	2.0%
COASTAL VIRGINIA CENTER FOR CYBER INNOVATION	1,120,251	1.9%	873,964	1.5%	253,213	0.5%	486,621	1.0%	600,656	1.2%
U.S. AIR FORCE	755,388	1.3%	1,057,864	1.9%	1,090,807	2.2%	1,123,034	2.3%	1,007,042	2.1%
U.S. DEPARTMENT OF ENERGY	605,589	1.0%	603,491	1.1%	338,096	0.7%	266,527	0.5%	155,540	0.3%
STATE COUNCIL FOR HIGHER EDUCATION IN VIRGINIA (SCHEV)	558,496	0.9%	535,916	0.9%	1,003,467	2.0%	633,969	1.3%	298,136	0.6%
U.S. NAVY	485,893	0.8%	305,345	0.5%	450,467	0.9%	573,173	1.2%	-	0.0%
VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT	412,501	0.7%	692,463	1.2%	596,212	1.2%	694,526	1.4%	601,723	1.2%
NATIONAL SECURITY AGENCY	213,941	0.4%	50,493	0.1%	42,716	0.1%	8,987	0.0%	-	0.0%
U.S. DEPARTMENT OF THE INTERIOR	158,169	0.3%	226,294	0.4%	204,862	0.4%	60,230	0.1%	19,218	0.0%
HAMPTON ROADS BIOMEDICAL REASEARCH CONSORTIUM	148,949	0.2%	388,606	0.7%	-	0.0%	-	0.0%	-	0.0%
NORFOLK PUBLIC SCHOOLS	78,313	0.1%	189,265	0.3%	115,059	0.2%	127,581	0.3%	138,215	0.3%
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	64,575	0.1%	65,500	0.1%	8,128	0.0%	22,702	0.0%	-	0.0%
COMMONWEALTH OF VIRGINIA	62,489	0.1%	-	0.0%	-	0.0%	-	0.0%	-	0.0%
U.S. ENVIRONMENTAL PROTECTION AGENCY	26,985	0.0%	41,155	0.1%	10,670	0.0%	-	0.0%	170,387	0.3%
VIRGINIA DEPARTMENT OF HEALTH	12,481	0.0%	49,369	0.1%	58,276	0.1%	37,308	0.1%	37,473	0.1%
MELLON FOUNDATION	-	0.0%	-	0.0%	18,700	0.0%	264,846	0.5%	197,227	0.4%
VIRGINIA DEPARTMENT OF BEHAVORIAL HEALTH AND DEVELOPMENTAL SERVICES	-	0.0%	-	0.0%	25,758	0.1%	30,134	0.1%	75,600	0.2%
VIRGINIA BIOSCIENCES HEALTH RESEARCH CORP.	(11,692)	0.0%	24,803	0.0%	54,262	0.1%	364,438	0.7%	739,561	1.5%
OTHER SPONSORS	36,722	0.1%	74,277	0.1%	26,979	0.1%	40,624	0.1%	46,540	0.1%
OLD DOMINION UNIVERSITY TOTAL	$ 14,809,043	24.6%	$ 13,688,758	24.2%	$ 12,053,746	24.2%	$ 10,963,522	22.4%	$ 9,940,512	20.3%

SCHEDULE 2

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SUMMARY OF UNIVERSITY ACTIVITY BY MAJOR FUNDING SOURCE

(MEASURED BY EXPENDITURES INCURRED)

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

FUNDING SOURCE / AGENCY	FY23 Amount	FY23 Percent of Total	FY22 Amount	FY22 Percent of Total	FY21 Amount	FY21 Percent of Total	FY20 Amount	FY20 Percent of Total	FY19 Amount	FY19 Percent of Total
NOTE: CERTAIN PRIOR YEAR AMOUNTS HAVE BEEN RESTATED TO BE CONSISTENT WITH CURRENT YEAR PRESENTATION.										
CONTROL TOTALS	60,239,853		56,522,812.00		49,749,896.00		48,865,879.00		48,901,061.00	

SCHEDULE 3

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

Fiscal Year 2023 through Fiscal Year 2021

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 2023 THROUGH FISCAL YEAR 2021

	Fiscal Year 2023				Fiscal Year 2022				Fiscal Year 2021			
	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	$ -	$ -	$ -	0.0%	$ 1,000	$ -	$ 1,000	0.0%	$ 2,000	$ -	$ 2,000	0.0%
Art	6,975	-	6,975	0.0%	-	-	-	0.0%	39	-	39	0.0%
Communication and Theatre Arts	9,185	-	9,185	0.0%	16,226	381	16,607	2.3%	-	-	-	0.0%
English	144,062	8,083	152,145	5.6%	172,609	11,898	184,507	6.9%	98,975	6,742	105,717	6.8%
History	-	-	-	0.0%	5,411	-	5,411	0.0%	1,364	(56)	1,308	-4.1%
Philosophy & Religious Studies	109,113	-	109,113	0.0%	28,221	7,877	36,098	27.9%	7,644	2,446	10,090	32.0%
Political Science & Geography	288,803	91,677	380,480	31.7%	266,235	33,317	299,552	12.5%	104,840	29,591	134,431	28.2%
Political Science & Geography -Cybersecurity	60,613	5,067	65,680	8.4%	-	-	-	0.0%	-	-	-	0.0%
Sociology & Criminal Justice	176,702	47,317	224,018	26.8%	257,591	63,948	321,539	24.8%	293,607	85,976	379,583	29.3%
Women's Studies	25,629	11,552	37,181	45.1%	2,500	-	2,500	0.0%	-	-	-	0.0%
College Total	$ 821,082	$ 163,695	$ 984,777	19.9%	$ 749,793	$ 117,421	$ 867,214	15.7%	$ 508,469	$ 124,699	$ 633,168	24.5%
STROME COLLEGE OF BUSINESS												
Economics	$ 69,903	$ 7,176	$ 77,079	10.3%	$ 63,367	$ 11,018	$ 74,385	17.4%	$ 47,475	$ 9,382	$ 56,857	19.8%
Finance	8,084	-	8,084	0.0%			-	0.0%			-	0.0%
Information Systems / Decision Sciences	43,949	4,427	48,376	10.1%	246,182	14,534	260,716	5.9%	250,066	17,102	267,168	6.8%
Information Systems & Decision Sciences - Cybersecurity	-	-	-	0.0%	-	-	-	0.0%	1,568	51	1,619	3.3%
Management	122,145	9,813	131,958	8.0%	161,043	11,872	172,915	7.4%	75,553	6,741	82,294	8.9%
Marketing	6,410	641	7,051	10.0%	7,957	908	8,865	11.4%	-	-	-	0.0%
Public Service	255,257	45,744	301,001	17.9%	204,463	53,371	257,834	26.1%	178,690	47,478	226,168	26.6%
College Total	$ 505,748	$ 67,801	$ 573,549	13.4%	$ 683,012	$ 91,703	$ 774,715	13.4%	$ 553,352	$ 80,754	$ 634,106	14.6%
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES												
Dean's Office	$ 764,029	$ 10,414	$ 774,443	1.4%	$ 782,434	$ 14,405	$ 796,839	1.8%	$ 761,931	$ 2,794	$ 764,725	0.4%
Dean's Office - Cybersecurity	-	-	-	0.0%	4,737	1,151	5,888	24.3%	69	38	107	55.1%
Communication Disorders and Special Education	5,318,017	462,601	5,780,618	8.7%	4,935,769	463,016	5,398,785	9.4%	4,594,515	429,663	5,024,178	9.4%
Counseling and Human Services	661,199	16,729	677,928	2.5%	590,080	17,452	607,532	3.0%	563,270	24,132	587,402	4.3%
Counseling and Human Services - Cybersecurity	-	-	-	0.0%	2,758	1,290	4,048	46.8%	5,443	2,993	8,436	55.0%
Educational Foundations and Leadership	432,433	87,257	519,690	20.2%	244,055	61,809	305,864	25.3%	140,389	41,773	182,162	29.8%
Educational Foundations and Leadership - Cybersecurity	40	-	40	0.0%	824	(14)	810	-1.7%	-	-	-	0.0%
Human Movement Sciences	749,596	31,840	781,435	4.2%	494,513	31,614	526,127	6.4%	407,508	20,633	428,141	5.1%
STEM Education and Professional Studies	214,013	41,736	255,750	19.5%	256,432	19,404	275,836	7.6%	139,544	15,954	155,498	11.4%
Teaching and Learning	547,527	98,879	646,406	18.1%	763,872	112,732	876,604	14.8%	527,939	103,081	631,020	19.5%
College Total	$ 8,686,854	$ 749,456	$ 9,436,310	8.6%	$ 8,075,474	$ 722,859	$ 8,798,333	9.0%	$ 7,140,608	$ 641,061	$ 7,781,669	9.0%
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY												
Dean's Office	$ 46,334	$ 6,699	$ 53,033	14.5%	$ 173,986	$ 103,256	$ 277,242	59.3%	$ 262,478	$ 110,035	$ 372,513	41.9%
Civil & Environmental Engineering	1,252,218	300,739	1,552,957	24.0%	798,518	203,054	1,001,572	25.4%	890,782	146,501	1,037,283	16.4%
Electrical & Computer Engineering	1,519,964	468,015	1,987,979	30.8%	908,483	313,878	1,222,361	34.5%	710,462	228,851	939,313	32.2%
Electrical & Computer Engineering - ARC	354,992	121,470	476,462	34.2%	342,138	111,854	453,992	32.7%	335,882	62,067	397,949	18.5%
Electrical & Computer Engineering - Bioelectrics	435,075	85,385	520,461	19.6%	189,340	78,731	268,071	41.6%	291,697	128,690	420,387	44.1%
Electrical & Computer Engineering - Cybersecurity	944,550	173,981	1,118,531	18.4%	605,600	153,291	758,891	25.3%	310,975	94,528	405,503	30.4%
Electrical & Computer Engineering - VMASC	746,848	232,987	979,834	31.2%	-	-	-	0.0%	-	-	-	0.0%
Engineering Management and Systems Engineering	406,887	218,488	625,375	53.7%	391,725	207,876	599,601	53.1%	299,493	156,929	456,422	52.4%
Engineering Technology	1,092,218	163,251	1,255,469	14.9%	548,167	111,534	659,701	20.3%	315,140	65,611	380,751	20.8%
Mechanical & Aerospace Engineering	1,059,594	411,846	1,471,440	38.9%	1,124,026	406,080	1,530,106	36.1%	1,052,653	329,299	1,381,952	31.3%
Mechanical & Aerospace Engineering - ARC	55,708	12,448	68,156	22.3%	54,225	8,979	63,204	16.6%	43,409	8,403	51,812	19.4%
Computation Modeling & Simulation Engineering	-	-	-	0.0%	437,061	156,117	593,178	35.7%	392,832	146,812	539,644	37.4%
Computation Modeling & Simulation Engineering - VMASC	-	-	-	0.0%	904,581	371,580	1,276,161	41.1%	1,045,638	557,139	1,602,777	53.3%
College Total	$ 7,914,387	$ 2,195,310	$ 10,109,698	27.7%	$ 6,477,850	$ 2,226,230	$ 8,704,080	34.4%	$ 5,951,441	$ 2,034,865	$ 7,986,306	34.2%

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 2023 THROUGH FISCAL YEAR 2021

	Fiscal Year 2023				Fiscal Year 2022				Fiscal Year 2021			
	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 HEALTH SCIENCES												
Dean's Office	$ 17,206	$ 7,848	$ 25,054	45.6%	$ -	$ -	$ -	0.0%	$ -	$ -	$ -	0.0%
Community & Environmental Health	326,408	28,008	354,416	8.6%	125,278	18,747	144,025	15.0%	129,763	18,253	148,016	14.1%
Dental Hygiene	6,609	157	6,766	2.4%	7,262	462	7,724	6.4%	7,333	160	7,493	2.2%
Medical Diagnostic & Translational Sciences	71,907	13,476	85,384	18.7%	57,706	29,120	86,826	50.5%	293,756	49,566	343,322	16.9%
Medical Diagnostic & Translational Sciences - Bioelectrics	337,139	175,069	512,207	51.9%	483,934	264,431	748,365	54.6%	464,289	225,783	690,072	48.6%
Medical Diagnostic & Translational Sciences - VMASC	-	-	-	0.0%	-	-	-	0.0%	(27,653)	-	(27,653)	0.0%
Rehabilitation Sciences	46,360	11,516	57,876	24.8%	50,345	3,019	53,364	6.0%	34,194	2,837	37,031	8.3%
College Total	$ 805,629	$ 236,074	$ 1,041,703	29.3%	$ 724,525	$ 315,779	$ 1,040,304	43.6%	$ 901,682	$ 296,599	$ 1,198,281	32.9%
COLLEGE OF SCIENCES												
Dean's Office	$ 7,446	$ 3,409	$ 10,854	45.8%	$ -	$ -	$ -	0.0%	$ -	$ -	$ -	0.0%
Biological Sciences	2,661,684	389,194	3,050,878	14.6%	2,210,364	357,134	2,567,498	16.2%	2,157,464	393,150	2,550,614	18.2%
Center for Coastal Physical Oceanography	297,923	147,555	445,478	49.5%	528,437	218,453	746,890	41.3%	695,680	248,455	944,135	35.7%
Chemistry and Biochemistry	2,012,205	528,509	2,540,714	26.3%	1,911,470	439,402	2,350,872	23.0%	1,436,636	353,569	1,790,205	24.6%
Chemistry and Biochemistry - Bioelectrics	-	-	-	0.0%	58,257	30,308	88,565	52.0%	7,647	4,206	11,853	55.0%
Computer Sciences	1,142,566	249,799	1,392,365	21.9%	975,668	222,963	1,198,631	22.9%	807,528	194,825	1,002,353	24.1%
Computer Sciences - Cybersecurity	42,505	13,654	56,159	32.1%	137,419	43,586	181,005	31.7%	100,953	39,993	140,946	39.6%
Computer Sciences - VMASC	92,059	29,526	121,584	32.1%	94,894	17,906	112,800	18.9%	34,584	3,085	37,669	8.9%
Mathematics & Statistics	581,918	176,379	758,297	30.3%	546,102	147,577	693,679	27.0%	661,355	172,784	834,139	26.1%
Ocean & Earth Science	1,754,311	692,932	2,447,243	39.5%	1,493,381	488,753	1,982,134	32.7%	1,242,246	421,214	1,663,460	33.9%
Physics	2,927,755	805,995	3,733,750	27.5%	2,865,560	742,442	3,608,002	25.9%	2,838,084	735,133	3,573,217	25.9%
Psychology	989,131	340,509	1,329,640	34.4%	936,711	321,829	1,258,540	34.4%	701,200	232,880	934,080	33.2%
Psychology- Cybersecurity	7,284	-	7,284	0.0%	10,490	-	10,490	0.0%				
College Total	$ 12,516,787	$ 3,377,459	$ 15,894,246	27.0%	$ 11,768,753	$ 3,030,353	$ 14,799,106	25.7%	$ 10,683,377	$ 2,799,294	$ 13,482,671	26.2%
OFFICE OF RESEARCH AND OTHER ACTIVITY												
The Center for Education Partnerships	$ 848,032	$ 182,029	$ 1,030,061	21.5%	$ 864,936	$ 243,694	$ 1,108,630	28.2%	$ 885,186	$ 190,761	$ 1,075,947	21.6%
Frank Reidy Research Center for Bioelectrics	289,875	170,813	460,688	58.9%	783,825	264,562	1,048,387	33.8%	967,949	444,637	1,412,586	45.9%
Social Science Research Center	287,352	20,900	308,252	7.3%	223,343	15,525	238,868	7.0%	145,962	12,629	158,591	8.7%
Center for Bioelectronics	265,059	72,913	337,972	27.5%	165,596	56,087	221,683	33.9%	104,193	50,597	154,790	48.6%
Virginia Modeling, Analysis and Simulation Center	7,966,201	1,588,856	9,555,057	19.9%	7,963,156	1,464,753	9,427,909	18.4%	6,437,344	1,240,416	7,677,760	19.3%
Nursing	1,191,315	67,281	1,258,596	5.6%	1,004,983	64,663	1,069,646	6.4%	1,060,415	68,338	1,128,753	6.4%
Center for Cybersecurity	920,035	28,856	948,891	3.1%	1,022,802	38,726	1,061,528	3.8%	55,687	23,229	78,916	41.7%
The Graduate School	102,851	28,351	131,203	27.6%	92,452	20,666	113,118	22.4%	442,823	44,545	487,368	10.1%
Student Services	493,286	32,041	525,327	6.5%	355,844	25,837	381,681	7.3%	-	-	-	0.0%
University Libraries	56,360	6,130	62,490	10.9%	7,005	1,525	8,530	21.8%	-	-	-	0.0%
International Programs	7,189	3,954	11,144	55.0%	-	-	-	0.0%	-	-	-	0.0%
Institute for Innovation & Entrepreneurship	1,077,387	266,307	1,343,694	24.7%	1,578,914	397,369	1,976,283	25.2%	1,222,387	278,603	1,500,990	22.8%
Miscellaneous ODU Units	724,386	70,772	795,158	9.8%	495,115	55,741	550,856	11.3%	318,701	21,212	339,913	6.7%
Miscellaneous ODU Units - Cybersecurity	608,623	66,149	674,772	10.9%	405,820	96,215	502,035	23.7%	145,250	62,381	207,631	42.9%
Miscellaneous ODU Units - VMASC	-	-	-	0.0%	8,422	4,632	13,054	55.0%				
College Total Other Units	$ 14,837,952	$ 2,605,354	$ 17,443,306	17.6%	$ 14,972,213	$ 2,749,995	$ 17,722,208	18.4%	$ 11,785,897	$ 2,437,348	$ 14,223,245	20.7%
TOTAL UNIVERSITY ACTIVITY	$ 46,088,439	$ 9,395,150	$ 55,483,588	20.4%	$ 43,451,620	$ 9,254,340	$ 52,705,960	21.3%	$ 37,524,826	$ 8,414,620	$ 45,939,446	22.4%
AFFILIATED ACTIVITY												
Virginia Space Grant Consortium	4,516,858	239,406	4,756,264	5.3%	3,413,455	210,287	3,623,742	6.2%	3,043,439	195,713	3,239,152	6.4%
Virginia Tidewater Consortium for Higher Education	-	-	-	0.0%	179,177	13,933	193,110	7.8%	530,334	40,964	571,298	7.7%
TOTAL AFFILIATED ACTIVITY	$ 4,516,858	$ 239,406	$ 4,756,264	5.3%	$ 3,592,632	$ 224,220	$ 3,816,852	6.2%	$ 3,573,773	$ 236,677	$ 3,810,450	6.6%
GRAND TOTAL	$ 50,605,297	$ 9,634,556	$ 60,239,853	19.0%	$ 47,044,252	$ 9,478,560	$ 56,522,812	20.1%	$ 41,098,599	$ 8,651,297	$ 49,749,896	21.1%

SCHEDULE 4

Sponsored Program Activity

Individual Project Listing

Fiscal Year 2023

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
COLLEGE OF ARTS & LETTERS												
DEPARTMENT OF ART												
300669-013	No	OLD DOMINION UNIVERSITY	BENTON, JARED	6,000	975	0	0	6,975	0	6,975	0.00%	TRAD
	TOTAL DEAN, COLLEGE OF ARTS & LETTERS			**6,000**	**975**	**0**	**0**	**6,975**	**0**	**6,975**	**0.00%**	
DEPARTMENT OF COMMUNICATION & THEATRE ARTS												
300669-015	No	OLD DOMINION UNIVERSITY	NAVAR-GILL, ANNEMARIE	6,000	0	0	0	6,000	0	6,000	0.00%	TRAD
300889-008	No	OLD DOMINION UNIVERSITY	RIZ MORADIYAN, NAJMEH	0	1,003	0	0	1,003	0	1,003	0.00%	TRAD
300668-005	No	OLD DOMINION UNIVERSITY	VASHIST, PRIYA	2,183	0	0	0	2,183	0	2,183	0.00%	TRAD
	TOTAL DEPARTMENT OF COMMUNICATION & THEATRE ARTS			**8,182**	**1,003**	**0**	**0**	**9,185**	**0**	**9,185**	**0.00%**	
DEPARTMENT OF ENGLISH												
200332-010	15%	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	RICHARDS, DANIEL	16,502	3,467	0	0	19,968	2,197	22,165	11.00%	TRAD
100923-010	20%	U.S. DEPARTMENT OF EDUCATION	ZAREVA, ALLA	28,960	11,908	0	21,766	62,634	3,269	65,903	5.22%	TRAD
300396-010	33%	OLD DOMINION UNIVERSITY	ZAREVA, ALLA	14,848	17,862	0	28,750	61,460	2,617	64,077	4.26%	TRAD
	TOTAL DEPARTMENT OF ENGLISH			**60,309**	**33,237**	**0**	**50,516**	**144,062**	**8,083**	**152,145**	**5.61%**	
DEPARTMENT OF PHILOSOPHY & RELIGIOUS STUDIES												
100932-010	No	NATIONAL ENDOWMENT FOR THE HUMANITIES	KISSEL, TERESA	80,220	0	0	0	80,220	0	80,220	0.00%	TRAD
300692-010	50%	OLD DOMINION UNIVERSITY	KISSEL, TERESA	3,893	25,000	0	0	28,893	0	28,893	0.00%	TRAD
	TOTAL DEPARTMENT OF PHILOSOPHY & RELIGIOUS STUDIES			**84,113**	**25,000**	**0**	**0**	**109,113**	**0**	**109,113**	**0.00%**	
DEPARTMENT OF POLITICAL SCIENCE & GEOGRAPHY												
400394-010	No	VIRGINIA GEOGRAPHIC ALLIANCE	ADAMS, FRANCIS	1,323	429	0	0	1,751	0	1,751	0.00%	TRAD
300543-010	15%	OLD DOMINION UNIVERSITY	ALLEN, MICHAEL	32,476	13,529	0	1,576	47,581	25,303	72,884	53.18%	TRAD
100956-010	25%	NASA GODDARD SPACEFLIGHT CENTER	ALLEN, THOMAS	7,464	3,303	0	0	10,767	5,922	16,689	55.00%	TRAD
100956-010	35%	NASA GODDARD SPACEFLIGHT CENTER	ALLEN, THOMAS	31,710	8,816	0	22,771	63,296	22,289	85,585	35.21%	TRAD
100963-010	10%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ALLEN, THOMAS	4,942	7	0	0	4,949	866	5,815	17.50%	TRAD
200009-025	20%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	ALLEN, THOMAS	513	0	0	0	513	0	513	0.00%	TRAD
200332-010	15%	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	ALLEN, THOMAS	16,502	3,467	0	0	19,968	2,197	22,165	11.00%	TRAD
200362-010	17%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	ALLEN, THOMAS	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	TRAD
200386-010	30%	CITY OF VIRGINIA BEACH	ALLEN, THOMAS	1,920	53	0	0	1,973	513	2,486	26.00%	TRAD
300717-005	30%	OLD DOMINION UNIVERSITY	ALLEN, THOMAS	0	280	0	3,047	3,326	0	3,326	0.00%	TRAD
300813-010	16%	UNIVERSITY OF NORTH CAROLINA	ALLEN, THOMAS	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	TRAD
300713-010	No	OLD DOMINION UNIVERSITY	KARAHAN, SALTUK	8,919	0	0	0	8,919	0	8,919	0.00%	TRAD
300888-003	No	OLD DOMINION UNIVERSITY	KING, ATHENA	2,170	0	0	0	2,170	0	2,170	0.00%	TRAD
300777-010	33%	OLD DOMINION UNIVERSITY	RICHMAN, JESSE	5,189	411	0	699	6,299	0	6,299	0.00%	TRAD
300877-010	33%	OLD DOMINION UNIVERSITY	RICHMAN, JESSE	1,282	509	0	0	1,791	0	1,791	0.00%	TRAD
300717-005	30%	OLD DOMINION UNIVERSITY	SHANNON, NICOLE	0	280	0	3,047	3,326	0	3,326	0.00%	TRAD
300813-010	16%	UNIVERSITY OF NORTH CAROLINA	SHANNON, NICOLE	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	TRAD
200332-010	15%	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	WHYTLAW, JENNIFER	16,502	3,467	0	0	19,968	2,197	22,165	11.00%	TRAD
300642-010	No	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	WHYTLAW, JENNIFER	12,629	500	0	0	13,129	3,414	16,543	26.00%	TRAD
300813-010	16%	UNIVERSITY OF NORTH CAROLINA	WHYTLAW, JENNIFER	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	TRAD
	TOTAL DEPARTMENT OF POLITICAL SCIENCE & GEOGRAPHY			**192,696**	**40,637**	**0**	**55,470**	**288,803**	**91,677**	**380,480**	**31.74%**	
DEPARTMENT OF POLITICAL SCIENCE & GEOGRAPHY - CENTER OF CYBERSECURITY (CYBER)												
100892-010	10%	NATIONAL SCIENCE FOUNDATION	KARAHAN, SALTUK	5,994	3,218	0	51,401	60,613	5,067	65,680	8.36%	CYBER
	TOTAL DEPARTMENT OF POLITICAL SCIENCE & GEOGRAPHY - CENTER OF CYBERSECURITY (CYBER)			**5,994**	**3,218**	**0**	**51,401**	**60,613**	**5,067**	**65,680**	**8.36%**	
DEPARTMENT OF SOCIOLOGY & CRIMINAL JUSTICE												
100914-010	30%	NATIONAL SCIENCE FOUNDATION	CHAPPELL, ALLISON	13,860	1,242	0	1,391	16,492	8,306	24,798	50.36%	TRAD
100792-010	No	NATIONAL INSTITUTE OF JUSTICE	DAI, MENGYAN	32,631	11,439	0	22,734	66,804	24,239	91,043	36.28%	TRAD
200358-010	33%	VA DEPARTMENT OF MOTOR VEHICLES	GAINEY, RANDY	9,746	4,223	0	0	13,969	3,632	17,601	26.00%	TRAD
200371-010	50%	PORTSMOUTH POLICE DEPARTMENT	GAINEY, RANDY	3,263	0	0	0	3,263	848	4,112	26.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
200375-010	33%	VA DEPARTMENT OF MOTOR VEHICLES	GAINEY, RANDY	11,470	5,399	0	0	16,869	4,386	21,254	26.00%	TRAD
300719-010	50%	OLD DOMINION UNIVERSITY	GAINEY, RANDY	7,799	3,839	0	17,788	29,425	0	29,425	0.00%	TRAD
300777-010	33%	OLD DOMINION UNIVERSITY	GAINEY, RANDY	5,189	411	0	699	6,299	0	6,299	0.00%	TRAD
300877-010	33%	OLD DOMINION UNIVERSITY	GAINEY, RANDY	1,282	509	0	0	1,791	0	1,791	0.00%	TRAD
400540-010	No	ASSOCIATION OF CERTIFIED FRAUD EXAMINERS	GRAHAM, RODERICK	7,550	3,500	0	0	11,050	0	11,050	0.00%	TRAD
100581-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	YANG, XIUSHI	8,422	2,316	0	0	10,738	5,906	16,644	55.00%	TRAD
		TOTAL DEPARTMENT OF SOCIOLOGY & CRIMINAL JUSTICE		**101,213**	**32,878**	**0**	**42,611**	**176,702**	**47,317**	**224,018**	**26.78%**	
DEPARTMENT OF WOMEN'S STUDIES												
300790-010	9%	OLD DOMINION UNIVERSITY	FISH, JENNIFER	15,955	5,049	0	326	21,329	11,552	32,881	54.16%	TRAD
300669-011	No	OLD DOMINION UNIVERSITY	OSORIO, RUTH	3,500	800	0	0	4,300	0	4,300	0.00%	TRAD
		TOTAL DEPARTMENT OF WOMEN'S STUDIES		**19,455**	**5,849**	**0**	**326**	**25,629**	**11,552**	**37,181**	**45.07%**	
TOTAL COLLEGE OF ARTS & LETTERS				**477,962**	**142,796**	**0**	**200,324**	**821,082**	**163,695**	**984,777**	**19.94%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
STROME COLLEGE OF BUSINESS												
DEPARTMENT OF INFORMATION TECHNOLOGY & DECISION SCIENCES												
100731-010	No	NATIONAL SCIENCE FOUNDATION	HE, WU	34,050	0	0	0	34,050	0	34,050	0.00%	TRAD
100673-010	20%	NATIONAL SCIENCE FOUNDATION	LI, LING	2,983	1,042	0	0	4,025	2,214	6,239	55.00%	TRAD
300856-010	20%	OLD DOMINION UNIVERSITY	LI, YAOHANG	1,513	336	0	0	1,849	0	1,849	0.00%	TRAD
100673-010	20%	NATIONAL SCIENCE FOUNDATION	XU, LI	2,983	1,042	0	0	4,025	2,214	6,239	55.00%	TRAD
		TOTAL DEPARTMENT OF INFORMATION TECHNOLOGY & DECISION SCIENCES		**41,529**	**2,420**	**0**	**0**	**43,949**	**4,427**	**48,376**	**10.07%**	
DEPARTMENT OF MANAGEMENT												
300669-014	No	OLD DOMINION UNIVERSITY	CHEN, LI-WEI	6,000	0	0	0	6,000	0	6,000	0.00%	TRAD
300624-010	10%	HAMPTON UNIVERSITY	NAIR, ANIL	35,536	2,206	0	(5,444)	32,297	9,813	42,110	30.38%	TRAD
400465-010	No	EWING MARION KAUFFMAN FOUNDATION	NAIR, ANIL	40,130	11,480	0	32,239	83,848	0	83,848	0.00%	TRAD
		TOTAL DEPARTMENT OF MANAGEMENT		**81,665**	**13,686**	**0**	**26,794**	**122,145**	**9,813**	**131,958**	**8.03%**	
DEPARTMENT OF MARKETING												
100913-010	20%	U.S. DEPARTMENT OF AGRICULTURE	TANG, CHUANYI	6,070	340	0	0	6,410	641	7,051	10.00%	TRAD
		TOTAL DEPARTMENT OF MARKETING		**6,070**	**340**	**0**	**0**	**6,410**	**641**	**7,051**	**10.00%**	
DEPARTMENT OF FINANCE												
300802-010	25%	OLD DOMINION UNIVERSITY	MCSHANE, MICHAEL	2,071	13	0	0	2,084	0	2,084	0.00%	TRAD
300669-016	No	OLD DOMINION UNIVERSITY	SCHNEIDER, THOMAS	6,000	0	0	0	6,000	0	6,000	0.00%	TRAD
		TOTAL DEPARTMENT OF FINANCE		**8,071**	**13**	**0**	**0**	**8,084**	**0**	**8,084**	**0.00%**	
DEPARTMENT OF ECONOMICS												
200383-010	40.00%	VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY	AGARWAL, VINOD	11,188	0	0	0	11,188	1,119	12,307	10.00%	TRAD
300828-010	25.00%	GEORGE MASON UNIVERSITY	AGARWAL, VINOD	6,294	0	0	0	6,294	629	6,923	10.00%	TRAD
100963-010	5.00%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MCNAB, ROBERT	2,471	4	0	0	2,475	433	2,908	17.50%	TRAD
200383-010	60.00%	VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY	MCNAB, ROBERT	16,782	0	0	0	16,782	1,678	18,461	10.00%	TRAD
300820-010	No	GEORGE MASON UNIVERSITY	MCNAB, ROBERT	12,201	2,082	0	0	14,284	1,428	15,712	10.00%	TRAD
300828-010	75.00%	GEORGE MASON UNIVERSITY	MCNAB, ROBERT	18,881	0	0	0	18,881	1,888	20,769	10.00%	TRAD
		TOTAL DEPARTMENT OF ECONOMICS		**67,817**	**2,086**	**0**	**0**	**69,903**	**7,176**	**77,079**	**10.27%**	
SCHOOL OF PUBLIC SERVICE												
300366-010	50%	UNIVERSITY OF NORTH CAROLINA	SAITGALINA, MARINA	3,096	2,607	0	0	5,703	3,137	8,839	55.00%	TRAD
300813-010	16%	UNIVERSITY OF NORTH CAROLINA	SAITGALINA, MARINA	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	TRAD
100824-010	50%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	YUSUF, JUITA (WEI)	2,299	1,767	0	17,416	21,481	2,236	23,717	10.41%	TRAD
100919-010	14%	NATIONAL SCIENCE FOUNDATION	YUSUF, JUITA (WEI)	11,382	33,829	0	0	45,211	11,755	56,966	26.00%	TRAD
200009-025	20%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	YUSUF, JUITA (WEI)	513	0	0	0	513	0	513	0.00%	TRAD
200362-010	17%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	YUSUF, JUITA (WEI)	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	TRAD
300366-010	50%	UNIVERSITY OF NORTH CAROLINA	YUSUF, JUITA (WEI)	3,096	2,607	0	0	5,703	3,137	8,839	55.00%	TRAD
300618-010	No	VA INSTITUTE OF MARINE SCIENCE	YUSUF, JUITA (WEI)	0	(238)	0	12,531	12,293	0	12,293	0.00%	TRAD
300633-010	50%	VA INSTITUTE OF MARINE SCIENCE	YUSUF, JUITA (WEI)	13,681	1,327	0	0	15,008	0	15,008	0.00%	TRAD
300694-010	No	UNIVERSITY OF VIRGINIA	YUSUF, JUITA (WEI)	34,609	0	0	0	34,609	0	34,609	0.00%	TRAD
300708-010	No	COLLEGE OF WILLIAM AND MARY	YUSUF, JUITA (WEI)	6,292	0	0	0	6,292	1,636	7,928	26.00%	TRAD
300728-010	No	VA INSTITUTE OF MARINE SCIENCE	YUSUF, JUITA (WEI)	1,286	1,786	0	0	3,072	0	3,072	0.00%	TRAD
300761-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	YUSUF, JUITA (WEI)	7,481	0	0	0	7,481	0	7,481	0.00%	TRAD
300768-010	No	UNIVERSITY OF VIRGINIA	YUSUF, JUITA (WEI)	2,639	62	0	0	2,701	702	3,403	26.00%	TRAD
300778-010	50%	VA INSTITUTE OF MARINE SCIENCE	YUSUF, JUITA (WEI)	20,469	1,907	0	0	22,376	0	22,376	0.00%	TRAD
300813-010	20%	UNIVERSITY OF NORTH CAROLINA	YUSUF, JUITA (WEI)	18,856	2,328	0	0	21,184	11,651	32,835	55.00%	TRAD
300831-010	No	VA INSTITUTE OF MARINE SCIENCE	YUSUF, JUITA (WEI)	0	0	0	2,008	2,008	0	2,008	0.00%	TRAD
300840-010	70%	COLLEGE OF WILLIAM AND MARY	YUSUF, JUITA (WEI)	4,444	0	0	0	4,444	1,155	5,599	26.00%	TRAD
		TOTAL SCHOOL OF PUBLIC SERVICE		**149,128**	**49,843**	**0**	**56,285**	**255,257**	**45,744**	**301,001**	**17.92%**	
TOTAL STROME COLLEGE OF BUSINESS				**354,281**	**68,388**	**0**	**83,080**	**505,748**	**67,801**	**573,549**	**13.41%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES												
DEAN, DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES												
300360-070	25%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	10,898	20,081	0	53,531	84,511	0	84,511	0.00%	TRAD
300360-080	25%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	1,362	0	0	0	1,362	0	1,362	0.00%	TRAD
300360-810	25%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	0	510	0	0	510	0	510	0.00%	TRAD
300836-010	34%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	0	4,080	0	0	4,080	326	4,406	8.00%	TRAD
300860-010	20%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	5,043	560	0	0	5,603	0	5,603	0.00%	TRAD
300869-010	20%	OLD DOMINION UNIVERSITY	BARBER, MARGARET	237	175	0	0	412	0	412	0.00%	TRAD
300360-060	No	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	666	0	0	211,458	212,124	0	212,124	0.00%	TRAD
300360-070	75%	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	32,693	60,244	0	160,594	253,532	0	253,532	0.00%	TRAD
300360-080	75%	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	4,087	0	0	0	4,087	0	4,087	0.00%	TRAD
300360-810	75%	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	0	1,530	0	0	1,530	0	1,530	0.00%	TRAD
300478-040	No	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	0	0	0	78,313	78,313	0	78,313	0.00%	TRAD
300749-010	No	OLD DOMINION UNIVERSITY	BURRELL-CRAFT, KAYLA	945	0	0	325	1,270	76	1,345	5.95%	TRAD
400529-010	50%	NATIONAL CENTER FOR TEACHER RESIDENCIES	BURRELL-CRAFT, KAYLA	28,506	1,821	0	72,249	102,576	7,424	110,000	7.24%	TRAD
300698-010	40%	OLD DOMINION UNIVERSITY	DICE, TAMMI	4,018	688	0	2,427	7,133	2,588	9,722	36.28%	TRAD
300798-010	30%	OLD DOMINION UNIVERSITY	DICE, TAMMI	0	0	0	4,318	4,318	0	4,318	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	KATSIOLOUDIS, PETROS	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
		TOTAL DEAN, DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES		**88,974**	**89,720**	**0**	**585,336**	**764,029**	**10,414**	**774,443**	**1.36%**	
DEPARTMENT OF TEACHING & LEARNING												
400529-010	25%	NATIONAL CENTER FOR TEACHER RESIDENCIES	BECK, JORI	14,253	911	0	36,124	51,288	3,712	55,000	7.24%	TRAD
300743-010	20%	OLD DOMINION UNIVERSITY	BUTLER, BRANDON	2,500	0	0	4,508	7,007	0	7,007	0.00%	TRAD
300837-010	10%	OLD DOMINION UNIVERSITY	BUTLER, BRANDON	968	0	0	700	1,668	0	1,668	0.00%	TRAD
300696-010	No	GEORGE MASON UNIVERSITY	COLWELL, JAMIE	12,532	0	0	0	12,532	3,258	15,790	26.00%	TRAD
300743-010	10%	OLD DOMINION UNIVERSITY	COLWELL, JAMIE	1,250	0	0	2,254	3,504	0	3,504	0.00%	TRAD
300837-010	10%	OLD DOMINION UNIVERSITY	COLWELL, JAMIE	968	0	0	700	1,668	0	1,668	0.00%	TRAD
300592-010	20%	OLD DOMINION UNIVERSITY	CROMPTON, HELEN	38,888	7,265	0	0	46,153	0	46,153	0.00%	TRAD
300765-010	No	OLD DOMINION UNIVERSITY	CROMPTON, HELEN	11,139	0	0	0	11,139	0	11,139	0.00%	TRAD
300548-010	No	OLD DOMINION UNIVERSITY	ECKHOFF, ANGELA	10,670	2,311	0	128,299	141,280	1,039	142,319	0.74%	TRAD
100954-010	33%	NATIONAL SCIENCE FOUNDATION	ENDERSON, MARY	6,174	217	0	1,287	7,678	3,515	11,194	45.78%	TRAD
100736-010	15%	NATIONAL SCIENCE FOUNDATION	GUTIERREZ, KRISTIE	5,220	1,216	0	0	6,436	3,540	9,976	55.00%	TRAD
100816-010	17%	NATIONAL SCIENCE FOUNDATION	GUTIERREZ, KRISTIE	45,266	12,808	0	3,038	61,111	31,940	93,051	52.27%	TRAD
100736-010	20%	NATIONAL SCIENCE FOUNDATION	KIDD, JENNIFER	6,960	1,621	0	0	8,581	4,720	13,301	55.00%	TRAD
100816-010	21%	NATIONAL SCIENCE FOUNDATION	KIDD, JENNIFER	55,916	15,821	0	3,753	75,490	39,456	114,946	52.27%	TRAD
100954-010	25%	NATIONAL SCIENCE FOUNDATION	SMITH-MUTEGI, DEMETRICE	4,677	165	0	975	5,817	2,663	8,480	45.78%	TRAD
300669-017	No	OLD DOMINION UNIVERSITY	SMITH-MUTEGI, DEMETRICE	3,231	355	0	0	3,586	0	3,586	0.00%	TRAD
300743-010	70%	OLD DOMINION UNIVERSITY	SOMMERFELDT, JODY	8,749	0	0	15,776	24,526	0	24,526	0.00%	TRAD
300837-010	80%	OLD DOMINION UNIVERSITY	SOMMERFELDT, JODY	7,743	0	0	5,598	13,340	0	13,340	0.00%	TRAD
100832-010	No	NATIONAL ENDOWMENT FOR THE HUMANITIES	SUH, YONGHEE	0	5,093	0	548	5,640	1,324	6,965	23.47%	TRAD
300601-010	No	WAYNESBURG UNIVERSITY	SUH, YONGHEE	3,571	3,047	0	0	6,618	0	6,618	0.00%	TRAD
300602-010	No	WAYNESBURG UNIVERSITY	SUH, YONGHEE	0	740	0	0	740	0	740	0.00%	TRAD
300682-010	No	OLD DOMINION UNIVERSITY	SUH, YONGHEE	0	438	0	0	438	0	438	0.00%	TRAD
400529-010	25%	NATIONAL CENTER FOR TEACHER RESIDENCIES	SUTPHIN, LATANYA	14,253	911	0	36,124	51,288	3,712	55,000	7.24%	TRAD
		TOTAL DEPARTMENT OF TEACHING & LEARNING		**254,928**	**52,917**	**0**	**239,683**	**547,527**	**98,879**	**646,406**	**18.06%**	
DEPARTMENT OF STEM EDUCATION & PROFESSIONAL STUDIES												
100869-010	No	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	ANDERSON, AMELIA	6,297	25,207	0	302	31,806	17,327	49,133	54.48%	TRAD
300799-010	No	WAYNE STATE UNIVERSITY	BAAKI, JOHN	17,996	0	0	0	17,996	1,800	19,796	10.00%	TRAD
100907-010	No	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	BURNS, ELIZABETH	14,522	4,355	0	1,114	19,992	10,383	30,374	51.93%	TRAD
400500-010	No	ASSOCIATION FOR CONSUMER RESEARCH	CHOI, DOO YOUNG	0	1,501	0	0	1,501	0	1,501	0.00%	TRAD
400536-010	No	ASSOCIATION FOR CONSUMER RESEARCH	CHOI, DOO YOUNG	0	300	0	0	300	0	300	0.00%	TRAD
300567-010	15%	OLD DOMINION UNIVERSITY	KATSIOLOUDIS, PETROS	4,798	2,427	0	864	8,089	578	8,667	7.15%	TRAD
100906-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	KIMMEL, SUE	5,497	0	0	0	5,497	1,759	7,256	32.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100950-010	30%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	KIMMEL, SUE	3,982	2,201	0	15,607	21,790	1,873	23,663	8.60%	TRAD
100903-010	20%	NATIONAL SCIENCE FOUNDATION	LUO, TIAN	6,391	1,581	0	3,067	11,039	4,385	15,424	39.72%	TRAD
300889-002	No	OLD DOMINION UNIVERSITY	MALLARY, KEVIN	2,464	0	0	0	2,464	0	2,464	0.00%	TRAD
200341-010	No	NORFOLK PUBLIC SCHOOLS	MCKINNEY, SUEANNE	0	0	0	55,721	55,721	0	55,721	0.00%	TRAD
200377-010	No	VA DEPARTMENT OF EDUCATION	REED, PHIL	2,940	300	0	0	3,240	259	3,499	8.00%	TRAD
100708-010	15%	NATIONAL SCIENCE FOUNDATION	TOMOVIC, CYNTHIA	5,983	150	0	21,544	27,678	3,373	31,051	12.19%	TRAD
300669-018	No	OLD DOMINION UNIVERSITY	YANG, MOHAN	5,921	980	0	0	6,901	0	6,901	0.00%	TRAD
		TOTAL DEPARTMENT OF STEM EDUCATION & PROFESSIONAL STUDIES		**76,791**	**39,003**	**0**	**98,220**	**214,013**	**41,736**	**255,750**	**19.50%**	
DEPARTMENT OF HUMAN MOVEMENT SCIENCES												
300648-010	50%	STONY BROOK UNIVERSITY	BENNETT, HUNTER	10,971	0	0	0	10,971	6,034	17,006	55.00%	TRAD
400457-010	40%	NATIONAL ASSOCIATION FOR KINESIOLOGY IN HIGHER EDUCATION	BENNETT, HUNTER	0	280	0	22	302	0	302	0.00%	TRAD
400520-010	No	THE FORCE AND MOTION FOUNDATION	BENNETT, HUNTER	0	622	0	379	1,000	0	1,000	0.00%	TRAD
400554-010	No	AMERICAN SOCIETY OF BIOMECHANICS	BENNETT, HUNTER	0	0	0	500	500	0	500	0.00%	TRAD
100952-010	80%	U.S. DEPARTMENT OF EDUCATION	HAEGELE, JUSTIN	10,822	33,339	0	75,509	119,670	3,533	123,203	2.95%	TRAD
300564-010	No	EAST CAROLINA UNIVERSITY	HAEGELE, JUSTIN	11,962	4,804	0	194,380	211,145	1,341	212,487	0.64%	TRAD
300834-010	No	UNIVERSITY OF UTAH	HAEGELE, JUSTIN	0	17,334	0	0	17,334	0	17,334	0.00%	TRAD
400457-010	50%	NATIONAL ASSOCIATION FOR KINESIOLOGY IN HIGHER EDUCATION	HAEGELE, JUSTIN	0	350	0	28	378	0	378	0.00%	TRAD
400460-010	75%	SPENCER FOUNDATION	HAEGELE, JUSTIN	13,077	3,004	0	0	16,081	0	16,081	0.00%	TRAD
400464-010	No	LIONS OF DISTRICT 24-I	HAEGELE, JUSTIN	11,148	12,005	0	28,939	52,092	0	52,092	0.00%	TRAD
400538-010	40%	SPECIAL OLYMPICS VIRGINIA	HAEGELE, JUSTIN	0	3,377	0	0	3,377	0	3,377	0.00%	TRAD
400547-010	No	I AM AN ATHLETE	HAEGELE, JUSTIN	0	500	0	0	500	0	500	0.00%	TRAD
100813-010	30%	NATIONAL SCIENCE FOUNDATION	REYNOLDS, LERYN	7,622	881	0	1,200	9,703	4,677	14,380	48.20%	TRAD
400515-010	No	AMERICAN HEART ASSOCIATION	REYNOLDS, LERYN	35,978	7,910	0	10,064	53,952	4,389	58,340	8.13%	TRAD
100952-010	10%	U.S. DEPARTMENT OF EDUCATION	ZHU, XIHE	1,353	4,167	0	9,439	14,959	442	15,400	2.95%	TRAD
300541-001	No	OLD DOMINION UNIVERSITY	ZHU, XIHE	0	5,912	0	18,110	24,022	1,035	25,056	4.31%	TRAD
300541-002	No	OLD DOMINION UNIVERSITY	ZHU, XIHE	2,318	6,024	0	14,316	22,658	1,460	24,117	6.44%	TRAD
300541-003	No	OLD DOMINION UNIVERSITY	ZHU, XIHE	1,088	9,000	0	31,616	41,705	1,765	43,470	4.23%	TRAD
300541-004	No	OLD DOMINION UNIVERSITY	ZHU, XIHE	5,202	3,337	0	32,732	41,271	1,494	42,766	3.62%	TRAD
300541-005	No	NATIONAL PARK SERVICE	ZHU, XIHE	4,432	1,258	0	43,613	49,303	996	50,298	2.02%	TRAD
300541-006	No	NATIONAL PARK SERVICE	ZHU, XIHE	18,385	3,302	0	4,604	26,292	3,795	30,087	14.44%	TRAD
300541-007	No	OLD DOMINION UNIVERSITY	ZHU, XIHE	5,022	0	0	16,858	21,880	879	22,759	4.02%	TRAD
400457-010	10%	NATIONAL ASSOCIATION FOR KINESIOLOGY IN HIGHER EDUCATION	ZHU, XIHE	0	70	0	6	76	0	76	0.00%	TRAD
400460-010	25%	SPENCER FOUNDATION	ZHU, XIHE	4,359	1,001	0	0	5,360	0	5,360	0.00%	TRAD
400538-010	60%	SPECIAL OLYMPICS VIRGINIA	ZHU, XIHE	0	5,066	0	0	5,066	0	5,066	0.00%	TRAD
		TOTAL DEPARTMENT OF HUMAN MOVEMENT SCIENCES		**143,738**	**123,543**	**0**	**482,314**	**749,596**	**31,840**	**781,435**	**4.25%**	
DEPARTMENT OF COMMUNICATION DISORDERS & SPECIAL EDUCATION												
100559-010	33%	U.S. DEPARTMENT OF EDUCATION	BOBZIEN, JONNA	2,857	0	0	2,893	5,750	229	5,979	3.98%	TRAD
100952-010	10%	U.S. DEPARTMENT OF EDUCATION	BOBZIEN, JONNA	1,353	4,167	0	9,439	14,959	442	15,400	2.95%	TRAD
300843-010	33%	GEORGE MASON UNIVERSITY	BOBZIEN, JONNA	4,519	208	0	1,688	6,416	378	6,794	5.89%	TRAD
200291-010	33%	VT AGENCY OF ED	GABLE, ROBERT	2,330	104	0	0	2,434	195	2,629	8.00%	TRAD
200291-020	33%	VT AGENCY OF ED	GABLE, ROBERT	1,508	235	0	19,077	20,820	453	21,273	2.18%	TRAD
200291-030	33%	VT AGENCY OF ED	GABLE, ROBERT	11,262	212	0	15,307	26,780	2,983	29,763	11.14%	TRAD
200364-010	33%	NORFOLK PUBLIC SCHOOLS	GABLE, ROBERT	48,402	1,878	0	0	50,281	13,073	63,354	26.00%	TRAD
200364-020	33%	NORFOLK PUBLIC SCHOOLS	GABLE, ROBERT	7,885	11,890	0	0	19,775	5,142	24,916	26.00%	TRAD
300480-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	67,034	14,048	0	15,297	96,380	6,487	102,867	6.73%	TRAD
300505-010	33%	UNIVERSITY OF OREGON	GABLE, ROBERT	98,643	19,025	0	0	117,668	30,594	148,262	26.00%	TRAD
300621-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	0	3,046	0	0	3,046	244	3,290	8.00%	TRAD
300626-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	12,380	24,262	3,306	14,330	54,279	2,931	57,210	5.40%	TRAD
300626-020	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	0	3,202	0	0	3,202	256	3,458	8.00%	TRAD
300716-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	122,962	5,221	0	0	128,183	10,255	138,438	8.00%	TRAD
300729-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	281,235	35,003	3,394	17,776	337,407	25,299	362,706	7.50%	TRAD
300729-020	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	201,437	6,743	0	3,934	212,114	16,654	228,769	7.85%	TRAD
300730-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	12,976	0	0	0	12,976	1,038	14,014	8.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300732-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	0	0	0	4,528	4,528	0	4,528	0.00%	TRAD
300739-010	33%	GEORGE MASON UNIVERSITY	GABLE, ROBERT	11,107	0	0	2,259	13,365	889	14,254	6.65%	TRAD
300764-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	4,457	598	0	0	5,055	0	5,055	0.00%	TRAD
300772-010	30%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	18,279	14,954	0	0	33,233	2,659	35,891	8.00%	TRAD
300781-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	9,894	3,714	0	0	13,608	1,089	14,697	8.00%	TRAD
300788-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	0	3,305	0	2,370	5,676	264	5,940	4.66%	TRAD
300833-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	94,867	203	0	0	95,070	7,606	102,676	8.00%	TRAD
300833-020	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	17,053	0	0	0	17,053	1,364	18,417	8.00%	TRAD
300835-010	50%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	117,753	1,699	0	0	119,452	9,556	129,008	8.00%	TRAD
300842-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	60,842	41,214	0	32,340	134,395	0	134,395	0.00%	TRAD
300850-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	13,775	0	0	0	13,775	1,102	14,877	8.00%	TRAD
300855-010	33%	OLD DOMINION UNIVERSITY	GABLE, ROBERT	8,447	0	0	17,252	25,699	0	25,699	0.00%	TRAD
200349-010	50%	LOUISIANA DEPARTMENT OF EDUCATION	GANSLE, KRISTIN	13,393	0	0	0	13,393	3,348	16,741	25.00%	TRAD
100559-010	34%	U.S. DEPARTMENT OF EDUCATION	GEAR, SABRA	2,944	0	0	2,980	5,924	236	6,160	3.98%	TRAD
100601-010	25%	U.S. DEPARTMENT OF EDUCATION	GEAR, SABRA	9,484	5,800	0	0	15,284	3,974	19,257	26.00%	TRAD
100941-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	GILLIS, CORRIN	13,854	4,227	35,954	10,150	64,185	1,447	65,632	2.25%	TRAD
100559-010	33%	U.S. DEPARTMENT OF EDUCATION	HESTER, PEGGY	2,857	0	0	2,893	5,750	229	5,979	3.98%	TRAD
100601-010	50%	U.S. DEPARTMENT OF EDUCATION	HESTER, PEGGY	18,967	11,600	0	0	30,567	7,947	38,515	26.00%	TRAD
300867-010	20%	OLD DOMINION UNIVERSITY	HORN, ANNEMARIE	2,904	1,542	0	0	4,446	356	4,801	8.00%	TRAD
100923-010	30%	U.S. DEPARTMENT OF EDUCATION	JUDGE, SHARON	43,439	17,863	0	32,649	93,951	4,904	98,855	5.22%	TRAD
300396-010	33%	OLD DOMINION UNIVERSITY	JUDGE, SHARON	14,848	17,862	0	28,750	61,460	2,617	64,077	4.26%	TRAD
300625-020	No	OLD DOMINION UNIVERSITY	LAYDEN, SELENA	11,389	20,885	0	2,560	34,833	2,582	37,415	7.41%	TRAD
300735-010	No	VIRGINIA COMMONWEALTH UNIVERSITY	LAYDEN, SELENA	4,545	9,856	0	1,451	15,853	1,152	17,005	7.27%	TRAD
300845-010	No	OLD DOMINION UNIVERSITY	LAYDEN, SELENA	3,920	5,925	0	650	10,495	788	11,282	7.50%	TRAD
300867-010	80%	OLD DOMINION UNIVERSITY	LAYDEN, SELENA	11,615	6,168	0	0	17,783	1,423	19,206	8.00%	TRAD
200291-010	33%	VT AGENCY OF ED	MAYDOSZ, ANN	2,330	104	0	0	2,434	195	2,629	8.00%	TRAD
200291-020	33%	VT AGENCY OF ED	MAYDOSZ, ANN	1,508	235	0	19,077	20,820	453	21,273	2.18%	TRAD
200291-030	33%	VT AGENCY OF ED	MAYDOSZ, ANN	11,262	212	0	15,307	26,780	2,983	29,763	11.14%	TRAD
200364-010	33%	NORFOLK PUBLIC SCHOOLS	MAYDOSZ, ANN	48,402	1,878	0	0	50,281	13,073	63,354	26.00%	TRAD
200364-020	33%	NORFOLK PUBLIC SCHOOLS	MAYDOSZ, ANN	7,885	11,890	0	0	19,775	5,142	24,916	26.00%	TRAD
200368-010	50%	VA DEPARTMENT OF EDUCATION	MAYDOSZ, ANN	16,136	6,950	0	0	23,086	1,847	24,933	8.00%	TRAD
200376-010	50%	NORFOLK PUBLIC SCHOOLS	MAYDOSZ, ANN	1,387	7,080	0	0	8,467	677	9,144	8.00%	TRAD
200376-020	50%	NORFOLK PUBLIC SCHOOLS	MAYDOSZ, ANN	3,064	18,100	0	0	21,164	1,693	22,857	8.00%	TRAD
300480-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	67,034	14,048	0	15,297	96,380	6,487	102,867	6.73%	TRAD
300505-010	33%	UNIVERSITY OF OREGON	MAYDOSZ, ANN	98,643	19,025	0	0	117,668	30,594	148,262	26.00%	TRAD
300577-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	2,611	0	0	2,094	4,706	1,224	5,929	26.00%	TRAD
300632-020	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	808	947	0	0	1,755	140	1,895	8.00%	TRAD
300632-030	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	14,913	15,344	0	94,440	124,697	2,421	127,118	1.94%	TRAD
300664-020	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	0	3,876	0	(0)	3,876	310	4,187	8.00%	TRAD
300730-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	12,976	0	0	0	12,976	1,038	14,014	8.00%	TRAD
300732-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	0	0	0	4,528	4,528	0	4,528	0.00%	TRAD
300739-010	33%	GEORGE MASON UNIVERSITY	MAYDOSZ, ANN	11,107	0	0	2,259	13,365	889	14,254	6.65%	TRAD
300740-010	50%	GEORGE MASON UNIVERSITY	MAYDOSZ, ANN	6,764	0	0	638	7,402	541	7,944	7.31%	TRAD
300746-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	0	6,250	0	10,770	17,020	500	17,520	2.94%	TRAD
300764-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	4,457	598	0	0	5,055	0	5,055	0.00%	TRAD
300772-010	30%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	18,279	14,954	0	0	33,233	2,659	35,891	8.00%	TRAD
300780-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	4,122	0	0	5,875	9,997	458	10,455	4.58%	TRAD
300781-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	9,894	3,714	0	0	13,608	1,089	14,697	8.00%	TRAD
300782-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	4,495	16,137	0	7,950	28,582	1,651	30,232	5.77%	TRAD
300823-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	10,321	17,738	0	0	28,059	2,245	30,304	8.00%	TRAD
300842-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	60,842	41,214	0	32,340	134,395	0	134,395	0.00%	TRAD
300843-010	33%	GEORGE MASON UNIVERSITY	MAYDOSZ, ANN	4,519	208	0	1,688	6,416	378	6,794	5.89%	TRAD
300850-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	13,775	0	0	0	13,775	1,102	14,877	8.00%	TRAD
300855-010	33%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	8,447	0	0	17,252	25,699	0	25,699	0.00%	TRAD
300862-010	50%	GEORGE MASON UNIVERSITY	MAYDOSZ, ANN	0	1,500	0	4,687	6,187	120	6,307	1.94%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300878-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	5,358	7,719	0	256	13,333	1,046	14,379	7.85%	TRAD
300880-010	50%	OLD DOMINION UNIVERSITY	MAYDOSZ, ANN	0	116,630	0	0	116,630	9,330	125,960	8.00%	TRAD
300881-010	50%	COLLEGE OF WILLIAM AND MARY	MAYDOSZ, ANN	0	15,668	0	0	15,668	1,253	16,921	8.00%	TRAD
400559-010	50%	ASSOCIATION FOR POSITIVE BEHAVIOR SUPPORT	MAYDOSZ, ANN	0	20,950	0	0	20,950	1,676	22,626	8.00%	TRAD
200327-010	No	VA DEPARTMENT OF EDUCATION	MURPHY, KIMBERLY	4,436	250	0	0	4,686	375	5,061	8.00%	TRAD
100914-010	30%	NATIONAL SCIENCE FOUNDATION	PERROTTI, ANNE	13,860	1,242	0	1,391	16,492	8,306	24,798	50.36%	TRAD
300822-010	50%	BOWIE STATE UNIVERSITY	PERROTTI, ANNE	9,818	0	0	0	9,818	5,400	15,217	55.00%	TRAD
200291-010	34%	VT AGENCY OF ED	TONELSON, STEPHEN	2,400	107	0	0	2,508	201	2,708	8.00%	TRAD
200291-020	34%	VT AGENCY OF ED	TONELSON, STEPHEN	1,554	242	0	19,655	21,451	467	21,918	2.18%	TRAD
200291-030	34%	VT AGENCY OF ED	TONELSON, STEPHEN	11,603	218	0	15,771	27,591	3,073	30,665	11.14%	TRAD
200364-010	34%	NORFOLK PUBLIC SCHOOLS	TONELSON, STEPHEN	49,869	1,935	0	0	51,804	13,469	65,274	26.00%	TRAD
200364-020	34%	NORFOLK PUBLIC SCHOOLS	TONELSON, STEPHEN	8,124	12,250	0	0	20,374	5,297	25,672	26.00%	TRAD
200368-010	50%	VA DEPARTMENT OF EDUCATION	TONELSON, STEPHEN	16,136	6,950	0	0	23,086	1,847	24,933	8.00%	TRAD
200376-010	50%	NORFOLK PUBLIC SCHOOLS	TONELSON, STEPHEN	1,387	7,080	0	0	8,467	677	9,144	8.00%	TRAD
200376-020	50%	NORFOLK PUBLIC SCHOOLS	TONELSON, STEPHEN	3,064	18,100	0	0	21,164	1,693	22,857	8.00%	TRAD
300480-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	69,066	14,474	0	15,761	99,301	6,683	105,984	6.73%	TRAD
300505-010	34%	UNIVERSITY OF OREGON	TONELSON, STEPHEN	101,633	19,602	0	0	121,234	31,521	152,755	26.00%	TRAD
300577-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	2,690	0	0	2,158	4,848	1,261	6,109	26.00%	TRAD
300621-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	3,046	0	0	3,046	244	3,290	8.00%	TRAD
300626-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	12,380	24,262	3,306	14,330	54,279	2,931	57,210	5.40%	TRAD
300626-020	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	3,202	0	0	3,202	256	3,458	8.00%	TRAD
300632-020	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	808	947	0	0	1,755	140	1,895	8.00%	TRAD
300632-030	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	14,913	15,344	0	94,440	124,697	2,421	127,118	1.94%	TRAD
300664-020	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	3,876	0	(0)	3,876	310	4,187	8.00%	TRAD
300716-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	122,962	5,221	0	0	128,183	10,255	138,438	8.00%	TRAD
300729-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	281,235	35,003	3,394	17,776	337,407	25,299	362,706	7.50%	TRAD
300729-020	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	201,437	6,743	0	3,934	212,114	16,654	228,769	7.85%	TRAD
300730-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	13,369	0	0	0	13,369	1,070	14,439	8.00%	TRAD
300732-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	0	0	4,665	4,665	0	4,665	0.00%	TRAD
300739-010	34%	GEORGE MASON UNIVERSITY	TONELSON, STEPHEN	11,443	0	0	2,327	13,770	915	14,686	6.65%	TRAD
300740-010	50%	GEORGE MASON UNIVERSITY	TONELSON, STEPHEN	6,764	0	0	638	7,402	541	7,944	7.31%	TRAD
300746-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	6,250	0	10,770	17,020	500	17,520	2.94%	TRAD
300764-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	4,592	616	0	0	5,208	0	5,208	0.00%	TRAD
300772-010	35%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	21,325	17,446	0	0	38,771	3,102	41,873	8.00%	TRAD
300780-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	4,122	0	0	5,875	9,997	458	10,455	4.58%	TRAD
300781-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	10,194	3,827	0	0	14,021	1,122	15,143	8.00%	TRAD
300782-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	4,495	16,137	0	7,950	28,582	1,651	30,232	5.77%	TRAD
300788-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	3,305	0	2,370	5,676	264	5,940	4.66%	TRAD
300823-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	10,321	17,738	0	0	28,059	2,245	30,304	8.00%	TRAD
300833-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	94,867	203	0	0	95,070	7,606	102,676	8.00%	TRAD
300833-020	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	17,053	0	0	0	17,053	1,364	18,417	8.00%	TRAD
300835-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	117,753	1,699	0	0	119,452	9,556	129,008	8.00%	TRAD
300842-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	62,685	42,463	0	33,320	138,468	0	138,468	0.00%	TRAD
300843-010	34%	GEORGE MASON UNIVERSITY	TONELSON, STEPHEN	4,656	215	0	1,740	6,611	390	7,000	5.89%	TRAD
300850-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	14,192	0	0	0	14,192	1,135	15,328	8.00%	TRAD
300855-010	34%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	8,703	0	0	17,775	26,478	0	26,478	0.00%	TRAD
300862-010	50%	GEORGE MASON UNIVERSITY	TONELSON, STEPHEN	0	1,500	0	4,687	6,187	120	6,307	1.94%	TRAD
300878-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	5,358	7,719	0	256	13,333	1,046	14,379	7.85%	TRAD
300880-010	50%	OLD DOMINION UNIVERSITY	TONELSON, STEPHEN	0	116,630	0	0	116,630	9,330	125,960	8.00%	TRAD
300881-010	50%	COLLEGE OF WILLIAM AND MARY	TONELSON, STEPHEN	0	15,668	0	0	15,668	1,253	16,921	8.00%	TRAD
400559-010	50%	ASSOCIATION FOR POSITIVE BEHAVIOR SUPPORT	TONELSON, STEPHEN	0	20,950	0	0	20,950	1,676	22,626	8.00%	TRAD
100673-010	20%	NATIONAL SCIENCE FOUNDATION	WATSON, SILVANA	2,983	1,042	0	0	4,025	2,214	6,239	55.00%	TRAD
100923-010	50%	U.S. DEPARTMENT OF EDUCATION	WATSON, SILVANA	72,399	29,771	0	54,415	156,585	8,174	164,759	5.22%	TRAD
300396-010	34%	OLD DOMINION UNIVERSITY	WATSON, SILVANA	15,298	18,403	0	29,621	63,322	2,696	66,018	4.26%	TRAD
TOTAL DEPARTMENT OF COMMUNICATION DISORDERS & SPECIAL EDUCATION				**3,270,708**	**1,161,303**	**49,354**	**836,652**	**5,318,017**	**462,601**	**5,780,618**	**8.70%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
DEPARTMENT OF EDUCATIONAL FOUNDATIONS & LEADERSHIP												
300749-020	No	OLD DOMINION UNIVERSITY	BARBER, MARGARET	8,200	0	0	191,417	199,617	0	199,617	0.00%	TRAD
300710-010	No	MICHIGAN STATE UNIVERSITY	COMMODORE, FELECIA	56,611	2,580	0	0	59,191	32,555	91,746	55.00%	TRAD
300607-010	No	MICHIGAN STATE UNIVERSITY	PEREZ, ANTHONY	54,898	1,980	0	7,158	64,036	31,283	95,318	48.85%	TRAD
100673-010	20%	NATIONAL SCIENCE FOUNDATION	PRIBESH, SHANA	2,983	1,042	0	0	4,025	2,214	6,239	55.00%	TRAD
100709-010	20%	NATIONAL SCIENCE FOUNDATION	PRIBESH, SHANA	13,266	6,493	0	14,312	34,071	10,867	44,938	31.90%	TRAD
300697-010	25%	OLD DOMINION UNIVERSITY	SANZO, KAREN	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	TRAD
300697-010	40%	OLD DOMINION UNIVERSITY	SANZO, KAREN	2,182	0	0	2,300	4,482	1,200	5,682	26.77%	TRAD
300758-010	20%	OLD DOMINION UNIVERSITY	SANZO, KAREN	13,234	412	0	0	13,646	0	13,646	0.00%	TRAD
300836-010	33%	OLD DOMINION UNIVERSITY	SANZO, KAREN	0	3,960	0	0	3,960	317	4,277	8.00%	TRAD
300860-010	40%	OLD DOMINION UNIVERSITY	SANZO, KAREN	10,086	1,121	0	0	11,207	0	11,207	0.00%	TRAD
300869-010	50%	OLD DOMINION UNIVERSITY	SANZO, KAREN	593	437	0	0	1,031	0	1,031	0.00%	TRAD
500485-010	No	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	SANZO, KAREN	8,942	716	0	0	9,658	773	10,431	8.00%	TRAD
300612-010	No	UNIVERSITY OF VIRGINIA	WHITE, RACHEL	15,055	425	0	0	15,480	4,025	19,505	26.00%	TRAD
400401-010	No	SPENCER FOUNDATION	WHITE, RACHEL	381	0	0	22	403	0	403	0.00%	TRAD
		TOTAL DEPARTMENT OF EDUCATIONAL FOUNDATIONS & LEADERSHIP		**192,985**	**19,928**	**0**	**219,520**	**432,433**	**87,257**	**519,690**	**20.18%**	
DEPARTMENT OF EDUCATIONAL FOUNDATIONS & LEADERSHIP - CYBERSECURITY (CYBER)												
100856-010	20%	NATIONAL SCIENCE FOUNDATION	SANZO, KAREN	0	0	0	40	40	0	40	0.00%	CYBER
		TOTAL DEPARTMENT OF EDUCATIONAL FOUNDATIONS & LEADERSHIP - CYBERSECURITY (CYBER)		**0**	**0**	**0**	**40**	**40**	**0**	**40**	**0.00%**	
DEPARTMENT OF COUNSELING & HUMAN SERVICES												
100689-040	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARLISLE, KRISTY	712	0	0	4,000	4,712	57	4,769	1.21%	TRAD
100819-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARLISLE, KRISTY	2,393	0	0	6,000	8,393	191	8,585	2.28%	TRAD
100912-010	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARLISLE, KRISTY	3,369	0	0	36,319	39,688	270	39,958	0.68%	TRAD
100912-020	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARLISLE, KRISTY	11,492	0	0	22,138	33,629	919	34,549	2.73%	TRAD
300698-010	20%	OLD DOMINION UNIVERSITY	DICE, TAMMI	9,405	799	0	3,869	14,073	5,612	19,685	39.88%	TRAD
100912-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HARTSFIELD, JAMIE	1,123	0	0	12,106	13,229	90	13,319	0.68%	TRAD
100912-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HARTSFIELD, JAMIE	3,831	0	0	7,379	11,210	306	11,516	2.73%	TRAD
100689-040	14%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	KEMER, GULSAH	996	0	0	5,600	6,596	80	6,676	1.21%	TRAD
100819-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	MOE, JEFFRY	1,197	0	0	3,000	4,197	96	4,292	2.28%	TRAD
100689-040	24%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	POPE, AMBER	1,708	0	0	9,600	11,308	137	11,445	1.21%	TRAD
100689-040	45%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	REHFUSS, MARK	3,203	0	0	18,000	21,203	256	21,459	1.21%	TRAD
100819-010	35%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	REHFUSS, MARK	8,377	0	0	21,000	29,377	670	30,047	2.28%	TRAD
100912-010	35%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	REHFUSS, MARK	7,861	0	0	84,745	92,606	629	93,235	0.68%	TRAD
100912-020	50%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	REHFUSS, MARK	38,306	0	0	73,792	112,098	3,064	115,162	2.73%	TRAD
100912-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SAWYER, JASON	1,123	0	0	12,106	13,229	90	13,319	0.68%	TRAD
100912-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SAWYER, JASON	3,831	0	0	7,379	11,210	306	11,516	2.73%	TRAD
100819-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SIMMONS, JENNIFER	2,393	0	0	6,000	8,393	191	8,585	2.28%	TRAD
100857-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SIMMONS, JENNIFER	985	26	0	0	1,011	81	1,092	8.00%	TRAD
100912-010	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SIMMONS, JENNIFER	3,369	0	0	36,319	39,688	270	39,958	0.68%	TRAD
100912-020	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SIMMONS, JENNIFER	11,492	0	0	22,138	33,629	919	34,549	2.73%	TRAD
100941-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SIMMONS, JENNIFER	6,927	2,113	17,977	5,075	32,093	723	32,816	2.25%	TRAD
100819-010	17%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SPARKMAN-KEY, NARKETTA	4,069	0	0	10,200	14,269	326	14,594	2.28%	TRAD
100912-010	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	SPARKMAN-KEY, NARKETTA	3,369	0	0	36,319	39,688	270	39,958	0.68%	TRAD
100819-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	TARVER, SHUNTAY	2,393	0	0	6,000	8,393	191	8,585	2.28%	TRAD
100912-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	TARVER, SHUNTAY	1,123	0	0	12,106	13,229	90	13,319	0.68%	TRAD
100912-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	TARVER, SHUNTAY	3,831	0	0	7,379	11,210	306	11,516	2.73%	TRAD
100819-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	WINFIELD, CHANIECE	2,393	0	0	6,000	8,393	191	8,585	2.28%	TRAD
100912-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	WINFIELD, CHANIECE	1,123	0	0	12,106	13,229	90	13,319	0.68%	TRAD
100912-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	WINFIELD, CHANIECE	3,831	0	0	7,379	11,210	306	11,516	2.73%	TRAD
		TOTAL DEPARTMENT OF COUNSELING & HUMAN SERVICES		**146,226**	**2,939**	**17,977**	**494,056**	**661,199**	**16,729**	**677,928**	**2.53%**	
TOTAL DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES				**4,174,349**	**1,489,353**	**67,331**	**2,955,821**	**8,686,854**	**749,456**	**9,436,310**	**8.63%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY												
DEAN, BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY												
100708-010	15%	NATIONAL SCIENCE FOUNDATION	LANDAETA, RAFAEL	5,983	150	0	21,544	27,678	3,373	31,051	12.19%	TRAD
300447-012	No	UNIVERSITY OF VIRGINIA	LANDAETA, RAFAEL	366	1,294	0	11,915	13,575	531	14,106	3.91%	TRAD
300485-010	20%	SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY	STUART, BEN	4,919	163	0	0	5,082	2,795	7,876	55.00%	TRAD
		TOTAL DEAN, BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY		**11,267**	**1,607**	**0**	**33,459**	**46,334**	**6,699**	**53,033**	**14.46%**	
DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING												
100876-010	50%	NATIONAL SCIENCE FOUNDATION	CETIN, MECIT	47,706	4,415	0	39,909	92,030	28,667	120,697	31.15%	TRAD
100963-010	17%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	CETIN, MECIT	8,402	12	0	0	8,413	1,472	9,886	17.50%	TRAD
200351-010	28%	VA TRANSPORTATION RESEARCH COUNCIL	CETIN, MECIT	32,551	184	0	179	32,914	8,511	41,425	25.86%	TRAD
200382-010	30%	VA TRANSPORTATION RESEARCH COUNCIL	CETIN, MECIT	4,302	0	0	0	4,302	1,119	5,421	26.00%	TRAD
300783-010	60%	GEORGE MASON UNIVERSITY	CETIN, MECIT	4,170	0	0	0	4,170	1,084	5,254	26.00%	TRAD
400514-010	63%	THE NATIONAL ACADEMIES	CETIN, MECIT	25,431	15,930	0	20,387	61,748	22,749	84,496	36.84%	TRAD
300030-017	12%	UNIVERSITY OF VIRGINIA	ERTEN-UNAL, MUJDE	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	ERTEN-UNAL, MUJDE	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300674-010	20%	OLD DOMINION UNIVERSITY	ERTEN-UNAL, MUJDE	12,626	10,824	0	0	23,450	12,897	36,347	55.00%	TRAD
200351-010	24%	VA TRANSPORTATION RESEARCH COUNCIL	ISHAK, SHERIF	27,901	158	0	153	28,212	7,295	35,507	25.86%	TRAD
200366-010	20%	VA TRANSPORTATION RESEARCH COUNCIL	ISHAK, SHERIF	10,977	232	0	0	11,209	2,914	14,123	26.00%	TRAD
400514-010	33%	THE NATIONAL ACADEMIES	ISHAK, SHERIF	13,224	8,283	0	10,601	32,109	11,829	43,938	36.84%	TRAD
100836-010	No	NATIONAL RENEWABLE ENERGY LABORATORY	KUMAR, SANDEEP	0	21	0	0	21	0	21	0.00%	TRAD
100847-010	50%	NATIONAL SCIENCE FOUNDATION	KUMAR, SANDEEP	17,150	1,972	0	927	20,049	10,517	30,565	52.46%	TRAD
100860-010	No	NATIONAL SCIENCE FOUNDATION	KUMAR, SANDEEP	0	79	0	0	79	43	122	55.00%	TRAD
300485-010	80%	SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY	KUMAR, SANDEEP	19,675	651	0	0	20,326	11,180	31,506	55.00%	TRAD
300533-010	No	MONTANA STATE UNIVERSITY NORTHERN	KUMAR, SANDEEP	54,844	6,315	0	0	61,158	26,211	87,369	42.86%	TRAD
300662-010	40%	OLD DOMINION UNIVERSITY	KUMAR, SANDEEP	10,335	44	0	0	10,379	415	10,794	4.00%	TRAD
600228-010	No	NATIONAL RESEARCH COUNCIL CANADA	KUMAR, SANDEEP	0	(32)	0	0	(32)	0	(32)	0.00%	TRAD
100961-010	40%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MA, GANGFENG	8,577	0	0	1,957	10,534	5,146	15,681	48.85%	TRAD
100963-010	17%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MA, GANGFENG	8,402	12	0	0	8,413	1,472	9,886	17.50%	TRAD
200304-020	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	SCHAFRAN, GARY	84,750	8,540	0	0	93,290	23,323	116,613	25.00%	TRAD
200304-030	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	SCHAFRAN, GARY	41,526	62,048	154,212	0	257,787	25,894	283,680	10.04%	TRAD
200356-010	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	SCHAFRAN, GARY	34,709	0	0	10,942	45,651	8,677	54,328	19.01%	TRAD
300662-010	30%	OLD DOMINION UNIVERSITY	SCHAFRAN, GARY	7,751	33	0	0	7,784	311	8,095	4.00%	TRAD
300808-010	No	OLD DOMINION UNIVERSITY	SCHAFRAN, GARY	88,386	9,256	0	23,226	120,868	0	120,868	0.00%	TRAD
100876-012	No	NATIONAL SCIENCE FOUNDATION	TAHVILDARI, NAVID	25,018	0	0	0	25,018	13,760	38,778	55.00%	TRAD
100956-010	25%	NASA GODDARD SPACEFLIGHT CENTER	TAHVILDARI, NAVID	7,464	3,303	0	0	10,767	5,922	16,689	55.00%	TRAD
100956-010	35%	NASA GODDARD SPACEFLIGHT CENTER	TAHVILDARI, NAVID	31,710	8,816	0	22,771	63,296	22,289	85,585	35.21%	TRAD
100961-010	60%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	TAHVILDARI, NAVID	12,866	0	0	2,936	15,801	7,719	23,521	48.85%	TRAD
100963-010	25%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	TAHVILDARI, NAVID	12,355	18	0	0	12,373	2,165	14,538	17.50%	TRAD
200359-010	No	CHESAPEAKE BAY BRIDGE TUNNEL	TAHVILDARI, NAVID	0	0	0	1,660	1,660	432	2,092	26.00%	TRAD
300617-010	No	VA INSTITUTE OF MARINE SCIENCE	TAHVILDARI, NAVID	23,842	6,148	0	0	29,991	0	29,991	0.00%	TRAD
300773-010	No	OLD DOMINION UNIVERSITY	TAHVILDARI, NAVID	0	51	0	0	51	0	51	0.00%	TRAD
100963-010	17%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	XIE, KUN	8,402	12	0	0	8,413	1,472	9,886	17.50%	TRAD
200338-010	50%	VA DEPARTMENT OF TRANSPORTATION	XIE, KUN	6,716	0	0	0	6,716	1,746	8,462	26.00%	TRAD
200351-010	24%	VA TRANSPORTATION RESEARCH COUNCIL	XIE, KUN	27,901	158	0	153	28,212	7,295	35,507	25.86%	TRAD
200361-010	60%	VA TRANSPORTATION RESEARCH COUNCIL	XIE, KUN	16,031	0	0	0	16,031	4,168	20,199	26.00%	TRAD
200366-010	50%	VA TRANSPORTATION RESEARCH COUNCIL	XIE, KUN	27,442	580	0	0	28,022	7,286	35,308	26.00%	TRAD
200379-010	60%	VA TRANSPORTATION RESEARCH COUNCIL	XIE, KUN	303	278	0	0	581	151	733	26.00%	TRAD
400466-010	50%	NATIONAL ACADEMY OF SCIENCES (NAS)	XIE, KUN	13,876	7,526	0	11,328	32,730	11,771	44,501	35.96%	TRAD
100971-010	50%	NATIONAL SCIENCE FOUNDATION	YAMANI, YUSUKE	3,743	464	0	0	4,207	2,524	6,732	60.00%	TRAD
300662-010	30%	OLD DOMINION UNIVERSITY	YOON, JAEWAN	7,751	33	0	0	7,784	311	8,095	4.00%	TRAD
		TOTAL DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING		**791,840**	**156,916**	**154,212**	**149,250**	**1,252,218**	**300,739**	**1,552,957**	**24.02%**	
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING												

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300678-010	No	NORFOLK STATE UNIVERSITY	AUDETTE, MICHEL	27,783	0	0	0	27,783	0	27,783	0.00%	TRAD
400311-010	44%	CHILDREN'S HEALTH FOUNDATION ACCOUNTING	AUDETTE, MICHEL	1,020	4,468	0	0	5,488	0	5,488	0.00%	TRAD
400332-010	46%	ALZHEIMER'S ASSOCIATION	AUDETTE, MICHEL	778	0	0	0	778	78	856	10.00%	TRAD
300841-010	23%	VIRGINIA COMMONWEALTH UNIVERSITY	BELFORE, LEE	0	426	0	4,142	4,568	0	4,568	0.00%	TRAD
400552-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BELFORE, LEE	1,582	4,295	0	0	5,877	3,526	9,404	60.00%	TRAD
500420-010	No	GREAT LAKES SYSTEMS AND TECHNOLOGY	BELFORE, LEE	0	757	0	611	1,368	416	1,784	30.42%	TRAD
300474-010	No	OLD DOMINION UNIVERSITY	BULYSHEVA, ANNA	0	0	0	2,860	2,860	10,089	12,949	352.72%	TRAD
500417-010	No	EMBODY	BULYSHEVA, ANNA	11,454	2,275	0	0	13,729	7,551	21,280	55.00%	TRAD
300556-014	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	CHEN, CHUNG	14,341	13,201	0	0	27,542	0	27,542	0.00%	TRAD
300841-010	23%	VIRGINIA COMMONWEALTH UNIVERSITY	CHEN, CHUNG	0	426	0	4,142	4,568	0	4,568	0.00%	TRAD
100820-010	No	U.S. DEPARTMENT OF ENERGY	DHALI, SHIRSHAK	33,868	231	0	0	34,099	18,754	52,853	55.00%	TRAD
300882-010	No	OLD DOMINION UNIVERSITY	DHALI, SHIRSHAK	13,076	0	0	0	13,076	7,846	20,922	60.00%	TRAD
300841-010	8%	VIRGINIA COMMONWEALTH UNIVERSITY	GONZALEZ, OSCAR	0	148	0	1,441	1,589	0	1,589	0.00%	TRAD
500463-002	7%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	GONZALEZ, OSCAR	5,431	0	0	0	5,431	3,259	8,690	60.00%	TRAD
100594-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	IFTEKHARUDDIN, KHAN	50,621	2,478	0	911	54,010	29,204	83,214	54.07%	TRAD
100594-030	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	IFTEKHARUDDIN, KHAN	10,298	12,547	0	(36)	22,808	12,565	35,373	55.09%	TRAD
100666-030	No	NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, KHAN	0	0	0	35,939	35,939	0	35,939	0.00%	TRAD
100838-010	60%	NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, KHAN	7,407	6,007	0	68,386	81,801	7,378	89,179	9.02%	TRAD
100876-010	50%	NATIONAL SCIENCE FOUNDATION	IFTEKHARUDDIN, KHAN	47,706	4,415	0	39,909	92,030	28,667	120,697	31.15%	TRAD
300623-010	30%	HOWARD UNIVERSITY	IFTEKHARUDDIN, KHAN	38,372	29,732	0	13,702	81,806	37,457	119,263	45.79%	TRAD
300714-010	40%	OLD DOMINION UNIVERSITY	IFTEKHARUDDIN, KHAN	16,356	8,508	0	24,011	48,875	13,675	62,551	27.98%	TRAD
300726-010	No	VIRGINIA COMMONWEALTH UNIVERSITY	IFTEKHARUDDIN, KHAN	45,573	1,733	0	0	47,306	0	47,306	0.00%	TRAD
400346-044	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	IFTEKHARUDDIN, KHAN	16,166	0	0	0	16,166	0	16,166	0.00%	TRAD
400346-061	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	IFTEKHARUDDIN, KHAN	11,212	0	0	0	11,212	0	11,212	0.00%	TRAD
400527-005	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	IFTEKHARUDDIN, KHAN	11,234	0	0	0	11,234	0	11,234	0.00%	TRAD
500469-010	15%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	IFTEKHARUDDIN, KHAN	30,072	5,405	86,999	0	122,475	9,224	131,699	7.53%	TRAD
500463-002	31%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	KUZLU, MURAT	6,638	0	0	0	6,638	3,983	10,620	60.00%	TRAD
100790-010	10%	NAVAL SEA SYSTEMS COMMAND	LEATHRUM, JAMES	5,282	0	0	526	5,808	3,433	9,241	59.11%	TRAD
100790-011	5%	NAVAL SEA SYSTEMS COMMAND	LEATHRUM, JAMES	11,942	0	0	221	12,164	7,763	19,926	63.82%	TRAD
100915-010	50%	NATIONAL SECURITY AGENCY	LI, JIANG	35,081	0	0	4,720	39,801	19,294	59,095	48.48%	TRAD
100921-010	33%	NASA/HEADQUARTERS	LI, JIANG	10,947	1,993	0	0	12,940	7,117	20,056	55.00%	TRAD
300703-010	30%	OLD DOMINION UNIVERSITY	LI, JIANG	6,520	763	0	0	7,284	0	7,284	0.00%	TRAD
300706-010	10%	STEVENS INSTITUTE OF TECHNOLOGY	LI, JIANG	7,559	171	0	540	8,270	4,251	12,521	51.41%	TRAD
300737-010	33%	OLD DOMINION UNIVERSITY	LI, JIANG	18,435	12,238	0	2,966	33,639	0	33,639	0.00%	TRAD
300760-010	50%	OLD DOMINION UNIVERSITY	LI, JIANG	9,036	2,994	0	1,163	13,192	0	13,192	0.00%	TRAD
300814-010	33%	GEORGE MASON UNIVERSITY	LI, JIANG	4,503	307	0	0	4,810	0	4,810	0.00%	TRAD
400346-060	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, JIANG	17,129	0	0	850	17,979	0	17,979	0.00%	TRAD
400346-065	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, JIANG	12,287	0	0	2,796	15,083	0	15,083	0.00%	TRAD
400527-002	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, JIANG	10,361	0	0	0	10,361	0	10,361	0.00%	TRAD
400527-003	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, JIANG	10,992	0	0	0	10,992	0	10,992	0.00%	TRAD
500453-010	No	APPLIED RESEARCH LLC	LI, JIANG	5,370	0	0	0	5,370	2,953	8,323	55.00%	TRAD
500477-010	No	APPLIED RESEARCH LLC	LI, JIANG	22,856	1,249	0	3,592	27,696	13,257	40,954	47.87%	TRAD
400346-059	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	6,026	0	0	0	6,026	0	6,026	0.00%	TRAD
400346-062	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	17,654	0	0	0	17,654	0	17,654	0.00%	TRAD
400468-010	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	11,672	19,469	0	322	31,462	17,137	48,599	54.47%	TRAD
400527-015	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	11,168	0	0	0	11,168	0	11,168	0.00%	TRAD
100967-010	No	NATIONAL SCIENCE FOUNDATION	NAWARATHNA, DHARMAKEERTHI	27,102	5,007	0	0	32,109	19,265	51,374	60.00%	TRAD
100969-010	No	NATIONAL SCIENCE FOUNDATION	NAWARATHNA, DHARMAKEERTHI	11,990	6,543	0	0	18,532	11,119	29,652	60.00%	TRAD
100846-017	25%	LANGLEY RESEARCH CENTER	POPESCU, DIMITRIE	662	1,127	0	0	1,789	0	1,789	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	POPESCU, DIMITRIE	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
500463-002	31%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	POPESCU, DIMITRIE	24,053	0	0	0	24,053	14,432	38,485	60.00%	TRAD
500463-002	31%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	POPESCU, OTILIA	6,638	0	0	0	6,638	3,983	10,620	60.00%	TRAD
100949-010	30%	NATIONAL SCIENCE FOUNDATION	RANA, MD MASUD	1,912	0	0	0	1,912	1,052	2,964	55.00%	TRAD
200382-010	30%	VA TRANSPORTATION RESEARCH COUNCIL	SHEN, YUZHONG	4,302	0	0	0	4,302	1,119	5,421	26.00%	TRAD
300717-004	No	OLD DOMINION UNIVERSITY	SHEN, YUZHONG	18,212	0	0	0	18,212	0	18,212	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
400332-010	27%	ALZHEIMER'S ASSOCIATION	SHEN, YUZHONG	457	0	0	0	457	46	502	10.00%	TRAD
400473-001	No	CHILDREN'S HOSPITAL OF THE KING'S DAUGHTERS	SHEN, YUZHONG	5,682	2,604	0	0	8,286	4,557	12,844	55.00%	TRAD
500445-010	45%	LEIDOS	SHEN, YUZHONG	0	0	0	4,238	4,238	2,111	6,349	49.82%	TRAD
100695-010	No	AMES RESEARCH LABS	SOSONKINA, MASHA	82,815	34,818	0	5,840	123,473	64,698	188,171	52.40%	TRAD
100723-010	33%	NATIONAL SCIENCE FOUNDATION	SOSONKINA, MASHA	19,760	971	0	1,420	22,151	11,402	33,553	51.47%	TRAD
300800-010	34%	OLD DOMINION UNIVERSITY	SOSONKINA, MASHA	2,037	991	0	0	3,028	0	3,028	0.00%	TRAD
100891-010	No	OFFICE OF NAVAL RESEARCH	VAHALA, LINDA	0	15,000	0	0	15,000	8,250	23,250	55.00%	TRAD
100901-010	No	U.S. DEPARTMENT OF ENERGY	VAHALA, LINDA	26,609	16,422	0	0	43,031	23,667	66,699	55.00%	TRAD
300567-010	15%	OLD DOMINION UNIVERSITY	VAHALA, LINDA	4,798	2,427	0	864	8,089	578	8,667	7.15%	TRAD
200338-010	50%	VA DEPARTMENT OF TRANSPORTATION	YANG, HONG	6,716	0	0	0	6,716	1,746	8,462	26.00%	TRAD
200351-010	24%	VA TRANSPORTATION RESEARCH COUNCIL	YANG, HONG	27,901	158	0	153	28,212	7,295	35,507	25.86%	TRAD
200361-010	40%	VA TRANSPORTATION RESEARCH COUNCIL	YANG, HONG	10,687	0	0	0	10,687	2,779	13,466	26.00%	TRAD
200366-010	30%	VA TRANSPORTATION RESEARCH COUNCIL	YANG, HONG	16,465	348	0	0	16,813	4,372	21,185	26.00%	TRAD
200379-010	40%	VA TRANSPORTATION RESEARCH COUNCIL	YANG, HONG	202	186	0	0	388	101	488	26.00%	TRAD
200382-010	40%	VA TRANSPORTATION RESEARCH COUNCIL	YANG, HONG	5,736	0	0	0	5,736	1,491	7,228	26.00%	TRAD
300783-010	40%	GEORGE MASON UNIVERSITY	YANG, HONG	2,780	0	0	0	2,780	723	3,503	26.00%	TRAD
400466-010	50%	NATIONAL ACADEMY OF SCIENCES (NAS)	YANG, HONG	13,876	7,526	0	11,328	32,730	11,771	44,501	35.96%	TRAD
500445-010	55%	LEIDOS	YANG, HONG	0	0	0	5,180	5,180	2,580	7,760	49.82%	TRAD
		TOTAL DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING		**957,715**	**230,393**	**86,999**	**244,858**	**1,519,964**	**468,015**	**1,987,979**	**30.79%**	
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - APPLIED RESEARCH CENTER (ARC)												
100917-010	50%	U.S. DEPARTMENT OF ENERGY	BAUMGART, HELMUT	31,782	9,835	0	2,914	44,530	10,820	55,350	24.30%	ARC
400346-026	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, HELMUT	(1,990)	0	0	0	(1,990)	0	(1,990)	0.00%	ARC
400346-043	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, HELMUT	16,850	0	0	0	16,850	0	16,850	0.00%	ARC
100567-020	No	LANGLEY RESEARCH CENTER	ELSAYED-ALI, HANI	2,873	0	0	0	2,873	747	3,620	26.00%	ARC
100902-010	No	FERMI NATIONAL ACCELERATOR LABORATORY	ELSAYED-ALI, HANI	36,270	4,717	0	2,622	43,609	10,657	54,266	24.44%	ARC
100918-010	No	U.S. DEPARTMENT OF ENERGY	ELSAYED-ALI, HANI	35,980	7,471	0	0	43,452	23,898	67,350	55.00%	ARC
100922-010	No	FERMI NATIONAL ACCELERATOR LABORATORY	ELSAYED-ALI, HANI	7,317	0	0	0	7,317	4,024	11,342	55.00%	ARC
100955-010	85%	NATIONAL SCIENCE FOUNDATION	ELSAYED-ALI, HANI	4,269	1,696	0	0	5,965	3,281	9,245	55.00%	ARC
300608-010	No	ELIZABETH CITY STATE UNIVERSITY	ELSAYED-ALI, HANI	17,381	0	0	0	17,381	9,560	26,941	55.00%	ARC
300797-010	No	OLD DOMINION UNIVERSITY	ELSAYED-ALI, HANI	13,081	1,690	0	0	14,771	0	14,771	0.00%	ARC
300841-010	46%	VIRGINIA COMMONWEALTH UNIVERSITY	ELSAYED-ALI, HANI	0	853	0	8,284	9,137	0	9,137	0.00%	ARC
400346-011	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	0	0	0	1,416	1,416	0	1,416	0.00%	ARC
400346-048	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	18,154	0	0	0	18,154	0	18,154	0.00%	ARC
400527-004	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	11,768	0	0	0	11,768	0	11,768	0.00%	ARC
400555-010	No	VIRGINIA MICROELECTRONICS CONSORTIUM (VMEC)	ELSAYED-ALI, HANI	0	1,279	0	0	1,279	0	1,279	0.00%	ARC
500361-010	No	BLACK LABORATORIES, LLC	ELSAYED-ALI, HANI	0	240	0	0	240	132	372	55.00%	ARC
500378-010	No	FACE CONSTRUCTION TECHNOLOGIES	ELSAYED-ALI, HANI	2,525	0	0	0	2,525	1,389	3,914	55.00%	ARC
500429-010	No	BSCE SYSTEMS, INC.	ELSAYED-ALI, HANI	0	0	0	859	859	223	1,082	25.96%	ARC
500432-010	No	BNNT, LLC	ELSAYED-ALI, HANI	0	2,952	0	0	2,952	1,623	4,575	55.00%	ARC
500438-010	No	LIFENET	ELSAYED-ALI, HANI	0	0	0	117	117	64	181	55.00%	ARC
500439-010	No	EMBODY	ELSAYED-ALI, HANI	0	2,583	0	0	2,583	1,421	4,004	55.00%	ARC
100955-010	5%	NATIONAL SCIENCE FOUNDATION	MARSILLAC, SYLVAIN	251	100	0	0	351	193	544	55.00%	ARC
100962-010	70%	U.S. DEPARTMENT OF ENERGY	MARSILLAC, SYLVAIN	16,555	1,974	0	0	18,529	10,191	28,720	55.00%	ARC
400468-010	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	11,672	19,469	0	322	31,462	17,137	48,599	54.47%	ARC
400468-011	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	9,687	0	0	0	9,688	5,813	15,500	60.00%	ARC
100903-010	80%	NATIONAL SCIENCE FOUNDATION	NAMKOONG, GON	25,565	6,322	0	12,269	44,157	17,538	61,695	39.72%	ARC
100955-010	5%	NATIONAL SCIENCE FOUNDATION	NAMKOONG, GON	251	100	0	0	351	193	544	55.00%	ARC
300392-010	No	NORFOLK STATE UNIVERSITY	NAMKOONG, GON	4,682	(17)	0	0	4,666	2,566	7,232	55.00%	ARC
		TOTAL DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - APPLIED RESEARCH CENTER (ARC)		**264,925**	**61,263**	**0**	**28,803**	**354,992**	**121,470**	**476,462**	**34.22%**	
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - CENTER FOR CYBERSECURITY (CYBER)												
100709-010	20%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	13,266	6,493	0	14,312	34,071	10,867	44,938	31.90%	CYBER
100723-010	34%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	20,358	1,001	0	1,463	22,822	11,747	34,569	51.47%	CYBER
100814-010	35%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	6,920	2,560	0	6,133	15,613	5,214	20,827	33.40%	CYBER

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100856-010	20%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	0	0	0	40	40	0	40	0.00%	CYBER
100906-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	WU, HONGYI	5,497	0	0	0	5,497	1,759	7,256	32.00%	CYBER
300623-010	30%	HOWARD UNIVERSITY	WU, HONGYI	38,372	29,732	0	13,702	81,806	37,457	119,263	45.79%	CYBER
100709-010	40%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	26,531	12,985	0	28,625	68,141	21,734	89,875	31.90%	CYBER
100856-010	20%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	0	0	0	40	40	0	40	0.00%	CYBER
100908-010	60%	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	19,880	1,260	22,279	19,732	63,151	11,627	74,778	18.41%	CYBER
100915-010	50%	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	35,081	0	0	4,720	39,801	19,294	59,095	48.48%	CYBER
100940-010	No	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	186,320	0	0	0	186,320	0	186,320	0.00%	CYBER
100959-010	No	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	0	0	0	164,897	164,897	0	164,897	0.00%	CYBER
300697-010	25%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300697-010	60%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	3,273	0	0	3,450	6,723	1,800	8,522	26.77%	CYBER
300698-010	30%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	14,107	1,199	0	5,804	21,110	8,418	29,528	39.88%	CYBER
300698-010	60%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	6,026	1,033	0	3,641	10,700	3,882	14,582	36.28%	CYBER
300705-010	50%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	17,716	4,218	24,978	0	46,911	0	46,911	0.00%	CYBER
300715-010	50%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	5,306	3,914	2,811	0	12,031	0	12,031	0.00%	CYBER
300718-010	50%	COLLEGE OF WILLIAM AND MARY	XIN, CHUNSHENG	0	4,714	2,811	0	7,526	0	7,526	0.00%	CYBER
300734-010	No	UNIVERSITY OF VIRGINIA	XIN, CHUNSHENG	30,287	849	0	0	31,136	17,125	48,261	55.00%	CYBER
300737-010	33%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	18,435	12,238	0	2,966	33,639	0	33,639	0.00%	CYBER
300738-010	33%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	6,348	2,983	0	0	9,331	0	9,331	0.00%	CYBER
300776-010	50%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	XIN, CHUNSHENG	446	0	0	7,000	7,446	245	7,691	3.29%	CYBER
300776-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	XIN, CHUNSHENG	13,211	7,887	0	28,000	49,098	11,604	60,702	23.63%	CYBER
300853-010	No	COLLEGE OF WILLIAM AND MARY	XIN, CHUNSHENG	0	1,384	0	0	1,384	0	1,384	0.00%	CYBER
400475-010	20%	VA TECH ARC	XIN, CHUNSHENG	8,577	4,481	0	631	13,690	7,182	20,872	52.46%	CYBER
		TOTAL DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - CENTER FOR CYBERSECURITY (CYBER)		**482,510**	**99,694**	**52,879**	**309,468**	**944,550**	**173,981**	**1,118,531**	**18.42%**	
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)												
100661-010	No	AIR FORCE RESEARCH LABORATORY	JIANG, CHUNQI	30,192	6,720	0	0	36,913	20,302	57,215	55.00%	CBE
300595-010	No	UNIVERSITY OF SOUTH FLORIDA	JIANG, CHUNQI	54,994	17,087	0	3,832	75,913	39,645	115,557	52.22%	CBE
300757-010	No	OLD DOMINION UNIVERSITY	JIANG, CHUNQI	0	0	268,573	0	268,573	0	268,573	0.00%	CBE
300811-010	No	OLD DOMINION UNIVERSITY	JIANG, CHUNQI	43,712	2,541	0	7,424	53,677	25,439	79,116	47.39%	CBE
		TOTAL DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)		**128,898**	**26,348**	**268,573**	**11,256**	**435,075**	**85,385**	**520,461**	**19.63%**	
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - VIRGINIA MODELING AND SIMULATION CENTER (VMASC)								0				
100905-010	No	NATIONAL SCIENCE FOUNDATION	SHETTY, SACHIN	1,240	0	0	0	1,240	682	1,922	55.00%	VMASC
200329-010	No	VIRGINIA INNOVATION PARTNERSHIP CORPORATION (PREVIOUSLY CIT)	SHETTY, SACHIN	43,769	0	0	0	43,769	13,131	56,899	30.00%	VMASC
300388-010	No	NORFOLK STATE UNIVERSITY	SHETTY, SACHIN	51	0	0	0	51	28	79	54.99%	VMASC
300542-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	35,100	16,968	(106)	69,695	121,657	28,638	150,295	23.54%	VMASC
300609-010	No	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, SACHIN	(219)	0	0	(0)	(219)	(120)	(339)	54.99%	VMASC
300623-010	40%	HOWARD UNIVERSITY	SHETTY, SACHIN	51,163	39,642	0	18,270	109,075	49,943	159,018	45.79%	VMASC
300656-010	60%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	18,920	5,280	0	0	24,200	0	24,200	0.00%	VMASC
300663-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	19,393	40,800	0	25,441	85,633	0	85,633	0.00%	VMASC
300692-010	50%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	3,893	25,000	0	0	28,893	0	28,893	0.00%	VMASC
300717-001	50%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	2,168	7,213	0	0	9,381	0	9,381	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300758-010	5%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	3,309	103	0	0	3,411	0	3,411	0.00%	VMASC
300763-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SHETTY, SACHIN	18,315	7,425	0	0	25,740	0	25,740	0.00%	VMASC
300791-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	1,670	28,680	0	0	30,350	0	30,350	0.00%	VMASC
300866-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	6,126	0	0	17,211	23,337	0	23,337	0.00%	VMASC
400475-010	60%	VA TECH ARC	SHETTY, SACHIN	25,732	13,444	0	1,894	41,069	21,546	62,615	52.46%	VMASC
500434-001	50%	CIRCADENCE	SHETTY, SACHIN	0	0	0	4,772	4,772	3,103	7,876	65.02%	VMASC
500467-010	40%	FRONTIER TECHNOLOGY INC.	SHETTY, SACHIN	165,344	563	0	0	165,907	107,839	273,746	65.00%	VMASC
400475-010	20%	VA TECH ARC	SHULL, JOHN	8,577	4,481	0	631	13,690	7,182	20,872	52.46%	VMASC
		TOTAL DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING - VIRGINIA MODELING AND SIMULATION CENTER (VMASC)		**415,777**	**191,058**	**(106)**	**140,118**	**746,848**	**232,987**	**979,834**	**31.20%**	
DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING												

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100827-010	No	NATIONAL SCIENCE FOUNDATION	ASUNDI, SHARANABASAWESHWARA	21,602	7,592	7,075	17,500	53,768	16,056	69,825	29.86%	TRAD
100846-017	75.00%	LANGLEY RESEARCH CENTER	ASUNDI, SHARANABASAWESHWARA	1,986	3,382	0	0	5,367	0	5,367	0.00%	TRAD
100738-010	15.00%	NATIONAL SCIENCE FOUNDATION	BAWAB, SEBASTIAN	4,017	2,350	0	17,291	23,659	3,502	27,161	14.80%	TRAD
400311-010	26.00%	CHILDREN'S HEALTH FOUNDATION ACCOUNTING	BAWAB, SEBASTIAN	603	2,640	0	0	3,243	0	3,243	0.00%	TRAD
400511-010	50.00%	ABS GLOBAL GOVERNMENT SERVICES	BAWAB, SEBASTIAN	17,137	0	0	0	17,137	11,139	28,275	65.00%	TRAD
400271-011	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	BRITCHER, COLIN	52,151	6,576	0	11,509	70,236	15,269	85,504	21.74%	TRAD
400348-020	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	BRITCHER, COLIN	20,995	0	0	0	20,995	5,459	26,453	26.00%	TRAD
400348-030	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	BRITCHER, COLIN	32,839	0	0	0	32,839	8,538	41,377	26.00%	TRAD
100917-010	50.00%	U.S. DEPARTMENT OF ENERGY	ELMUSTAFA, ABDELMAGEED	15,310	1,846	0	2,152	19,308	4,461	23,768	23.10%	TRAD
400527-016	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELMUSTAFA, ABDELMAGEED	10,961	0	0	0	10,961	0	10,961	0.00%	TRAD
100738-010	25.00%	NATIONAL SCIENCE FOUNDATION	GHOSH, DIPANKAR	6,696	3,917	0	28,818	39,431	5,837	45,268	14.80%	TRAD
100748-010	No	NATIONAL SCIENCE FOUNDATION	GHOSH, DIPANKAR	12,724	4,106	0	3,906	20,736	9,256	29,993	44.64%	TRAD
100748-020	No	NATIONAL SCIENCE FOUNDATION	GHOSH, DIPANKAR	0	(1,395)	0	1,380	(16)	0	(16)	0.00%	TRAD
100979-010	No	ARMY RESEARCH OFFICE	GHOSH, DIPANKAR	818	160	0	0	978	538	1,516	55.00%	TRAD
100813-010	70.00%	NATIONAL SCIENCE FOUNDATION	HAO, JULIE	17,785	2,055	0	2,800	22,640	10,912	33,552	48.20%	TRAD
100738-010	15.00%	NATIONAL SCIENCE FOUNDATION	HOU, GENE	4,017	2,350	0	17,291	23,659	3,502	27,161	14.80%	TRAD
100736-010	10.00%	NATIONAL SCIENCE FOUNDATION	KAIPA, KRISHNANAND	3,480	810	0	0	4,291	2,360	6,651	55.00%	TRAD
100816-010	14.00%	NATIONAL SCIENCE FOUNDATION	KAIPA, KRISHNANAND	37,278	10,547	0	2,502	50,327	26,304	76,631	52.27%	TRAD
300030-017	12.00%	UNIVERSITY OF VIRGINIA	KAIPA, KRISHNANAND	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300546-010	No	UNIVERSITY OF CINCINNATI	KAIPA, KRISHNANAND	18,250	0	0	0	18,250	10,037	28,287	55.00%	TRAD
300556-015	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	KAIPA, KRISHNANAND	9,532	4,737	0	0	14,269	0	14,269	0.00%	TRAD
100738-010	25.00%	NATIONAL SCIENCE FOUNDATION	KRAVCHENKO, OLEKSANDR	6,696	3,917	0	28,818	39,431	5,837	45,268	14.80%	TRAD
100846-022	No	LANGLEY RESEARCH CENTER	KRAVCHENKO, OLEKSANDR	4,371	154	0	0	4,526	0	4,526	0.00%	TRAD
300556-015	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	KRAVCHENKO, OLEKSANDR	9,532	4,737	0	0	14,269	0	14,269	0.00%	TRAD
300889-007	No	OLD DOMINION UNIVERSITY	KRAVCHENKO, OLEKSANDR	0	330	0	0	330	0	330	0.00%	TRAD
500450-010	No	JOHNS MANVILLE	KRAVCHENKO, OLEKSANDR	2,688	4,359	0	2,793	9,840	5,412	15,252	55.01%	TRAD
500476-010	No	JOHNS MANVILLE	KRAVCHENKO, OLEKSANDR	3,002	6,022	0	0	9,024	5,415	14,439	60.00%	TRAD
400203-014	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	LANDMAN, DREW	17,051	0	0	0	17,051	10,230	27,281	60.00%	TRAD
500474-010	No	AEROVIRONMENT	LANDMAN, DREW	14,401	3,538	0	0	17,938	5,435	23,374	30.30%	TRAD
100560-020	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	MARUTHAMUTHU, VENKAT	84,316	33,386	0	9,694	127,396	64,736	192,132	50.81%	TRAD
300634-010	No	VIRGINIA COMMONWEALTH UNIVERSITY	QIAN, SHIZHI	(5)	0	0	0	(5)	(2)	(7)	29.94%	TRAD
100736-010	25.00%	NATIONAL SCIENCE FOUNDATION	RINGLEB, STACIE	8,701	2,026	0	0	10,727	5,900	16,626	55.00%	TRAD
100816-010	17.00%	NATIONAL SCIENCE FOUNDATION	RINGLEB, STACIE	45,266	12,808	0	3,038	61,111	31,940	93,051	52.27%	TRAD
400311-010	30.00%	CHILDREN'S HEALTH FOUNDATION ACCOUNTING	RINGLEB, STACIE	695	3,046	0	0	3,742	0	3,742	0.00%	TRAD
500465-010	No	VR REHAB, INC.	RINGLEB, STACIE	0	0	0	240	240	155	395	64.50%	TRAD
500475-010	No	VR REHAB, INC.	RINGLEB, STACIE	18,992	0	0	13,246	32,238	6,837	39,075	21.21%	TRAD
100882-010	67.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	WRIGGERS, WILLY	120,463	3,725	0	961	125,150	68,303	193,453	54.58%	TRAD
300879-010	No	OLD DOMINION UNIVERSITY	XU, TIAN-BING	0	3,563	0	0	3,563	302	3,865	8.48%	TRAD
400271-014	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	XU, TIAN-BING	27,698	12,830	0	7,045	47,573	22,291	69,864	46.86%	TRAD
500452-010	No	LYNNTECH, INC.	XU, TIAN-BING	39,276	15,136	(1,816)	7,697	60,292	35,367	95,660	58.66%	TRAD
100847-010	50.00%	NATIONAL SCIENCE FOUNDATION	ZHANG, XIAOYU	17,150	1,972	0	927	20,049	10,517	30,565	52.46%	TRAD
		TOTAL DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING - APPLIED RESEARCH CENTER (ARC)		**710,980**	**163,746**	**5,259**	**179,608**	**1,059,594**	**411,846**	**1,471,440**	**38.87%**	
DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING - APPLIED RESEARCH CENTER (ARC)												
100917-010	50.00%	U.S. DEPARTMENT OF ENERGY	ELMUSTAFA, ABDELMAGEED	16,472	7,989	0	762	25,222	6,360	31,582	25.21%	ARC
300591-010	No	VIRGINIA STATE UNIVERSITY	ELMUSTAFA, ABDELMAGEED	15,461	7,954	0	0	23,416	6,088	29,504	26.00%	ARC
400346-057	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELMUSTAFA, ABDELMAGEED	4,215	0	0	0	4,215	0	4,215	0.00%	ARC
400346-066	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELMUSTAFA, ABDELMAGEED	2,854	0	0	0	2,854	0	2,854	0.00%	ARC
		TOTAL DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING - APPLIED RESEARCH CENTER (ARC)		**39,003**	**15,943**	**0**	**762**	**55,708**	**12,448**	**68,156**	**22.34%**	
DEPARTMENT OF ENGINEERING TECHNOLOGY												
100736-010	10%	NATIONAL SCIENCE FOUNDATION	AYALA, ORLANDO	3,480	810	0	0	4,291	2,360	6,651	55.00%	TRAD
100816-010	14%	NATIONAL SCIENCE FOUNDATION	AYALA, ORLANDO	37,278	10,547	0	2,502	50,327	26,304	76,631	52.27%	TRAD
200009-024	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	AYALA, ORLANDO	1,948	442	0	0	2,390	0	2,390	0.00%	TRAD
200009-029	33%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	AYALA, ORLANDO	797	780	0	0	1,577	0	1,577	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300030-017	12%	UNIVERSITY OF VIRGINIA	AYALA, ORLANDO	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
400335-010	No	ACS PETROLEUM RESEARCH FOUNDATION	AYALA, ORLANDO	3,171	0	0	0	3,171	0	3,171	0.00%	TRAD
300674-010	50%	OLD DOMINION UNIVERSITY	CONSIDINE, CAROL	31,565	27,059	0	0	58,624	32,243	90,867	55.00%	TRAD
500394-010	50%	Arcadis Engineering	CONSIDINE, CAROL	63	0	0	0	63	35	97	55.01%	TRAD
100708-010	30%	NATIONAL SCIENCE FOUNDATION	DEAN, ANTHONY	11,965	301	0	43,089	55,355	6,746	62,101	12.19%	TRAD
100846-018	No	LANGLEY RESEARCH CENTER	DEAN, ANTHONY	1,004	505	0	9,065	10,574	0	10,574	0.00%	TRAD
100908-010	40%	NATIONAL SECURITY AGENCY	DEAN, ANTHONY	13,253	840	14,853	13,155	42,101	7,751	49,852	18.41%	TRAD
400511-010	50%	ABS GLOBAL GOVERNMENT SERVICES	DEAN, ANTHONY	17,137	0	0	0	17,137	11,139	28,275	65.00%	TRAD
500469-010	10%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	DEAN, ANTHONY	20,048	3,603	57,999	0	81,650	6,149	87,800	7.53%	TRAD
300030-017	12%	UNIVERSITY OF VIRGINIA	EISAZADEH, HAMID	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300889-005	No	OLD DOMINION UNIVERSITY	EISAZADEH, HAMID	2,500	0	0	0	2,500	0	2,500	0.00%	TRAD
500469-010	15%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	EISAZADEH, HAMID	30,072	5,405	86,999	0	122,475	9,224	131,699	7.53%	TRAD
500469-010	10%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	FLORY, ISAAC	20,048	3,603	57,999	0	81,650	6,149	87,800	7.53%	TRAD
100873-010	33%	NATIONAL SCIENCE FOUNDATION	HU, BIN	2,201	0	0	0	2,201	1,211	3,411	55.00%	TRAD
400550-010	No	VENTUREWELL	ISMAEL, DALYA	0	2,589	0	0	2,589	0	2,589	0.00%	TRAD
100708-010	20%	NATIONAL SCIENCE FOUNDATION	JOVANOVIC, VUKICA	7,977	201	0	28,726	36,903	4,498	41,401	12.19%	TRAD
300030-017	16%	UNIVERSITY OF VIRGINIA	JOVANOVIC, VUKICA	3,346	700	0	0	4,046	0	4,046	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	JOVANOVIC, VUKICA	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300567-010	25%	OLD DOMINION UNIVERSITY	JOVANOVIC, VUKICA	7,996	4,045	0	1,440	13,482	963	14,445	7.15%	TRAD
300722-010	30%	OLD DOMINION UNIVERSITY	JOVANOVIC, VUKICA	10,402	49	0	12,043	22,493	0	22,493	0.00%	TRAD
500469-010	15%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	JOVANOVIC, VUKICA	30,072	5,405	86,999	0	122,475	9,224	131,699	7.53%	TRAD
500489-011	No	LUMINARY LABS LLC	JOVANOVIC, VUKICA	0	0	0	960	960	0	960	0.00%	TRAD
300030-017	12%	UNIVERSITY OF VIRGINIA	KUZLU, MURAT	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	KUZLU, MURAT	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300567-010	25%	OLD DOMINION UNIVERSITY	KUZLU, MURAT	7,996	4,045	0	1,440	13,482	963	14,445	7.15%	TRAD
300704-010	No	OLD DOMINION UNIVERSITY	KUZLU, MURAT	7,887	0	0	0	7,887	0	7,887	0.00%	TRAD
300722-010	70%	OLD DOMINION UNIVERSITY	KUZLU, MURAT	24,270	114	0	28,100	52,485	0	52,485	0.00%	TRAD
500463-002	31%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	KUZLU, MURAT	17,415	0	0	0	17,415	10,449	27,864	60.00%	TRAD
500469-010	10%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	LUETKE, NATHAN	20,048	3,603	57,999	0	81,650	6,149	87,800	7.53%	TRAD
300030-017	12%	UNIVERSITY OF VIRGINIA	POPESCU, OTILIA	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	POPESCU, OTILIA	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300567-010	20%	OLD DOMINION UNIVERSITY	POPESCU, OTILIA	6,397	3,236	0	1,152	10,785	771	11,556	7.15%	TRAD
500463-002	31%	BOOZ ALLEN AND HAMILTON, INC. (BAH)	POPESCU, OTILIA	17,415	0	0	0	17,415	10,449	27,864	60.00%	TRAD
300030-017	12%	UNIVERSITY OF VIRGINIA	SEEK, MICHAEL	2,510	525	0	0	3,034	0	3,034	0.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	SEEK, MICHAEL	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
400518-010	No	METAL BUILIDING MANUFACTURERS ASSOCIATION (MBMA)	SEEK, MICHAEL	3,750	0	0	(0)	3,750	1,250	5,000	33.33%	TRAD
500469-010	15%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	TOMOVIC, MILETA	30,072	5,405	86,999	0	122,475	9,224	131,699	7.53%	TRAD
		TOTAL DEPARTMENT OF ENGINEERING TECHNOLOGY		**406,193**	**86,025**	**449,847**	**150,153**	**1,092,218**	**163,251**	**1,255,469**	**14.95%**	
DEPARTMENT OF ENGINEERING MANAGEMENT & SYSTEMS ENGINEERING												
100708-010	20%	NATIONAL SCIENCE FOUNDATION	BULLINGTON, KIM	7,977	201	0	28,726	36,903	4,498	41,400.97	12.19%	TRAD
200009-029	33%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	BULLINGTON, KIM	797	780	0	0	1,577	0	1,577.22	0.00%	TRAD
100790-010	42%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	22,184	0	0	2,209	24,392	14,419	38,811.73	59.11%	TRAD
100790-011	45%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	107,482	0	0	1,993	109,475	69,863	179,337.92	63.82%	TRAD
100790-010	10%	NAVAL SEA SYSTEMS COMMAND	COTTER, TEDDY	5,282	0	0	526	5,808	3,433	9,240.89	59.11%	TRAD
100790-011	5%	NAVAL SEA SYSTEMS COMMAND	COTTER, TEDDY	11,942	0	0	221	12,164	7,763	19,926.44	63.82%	TRAD
300720-010	20%	STEVENS INSTITUTE OF TECHNOLOGY	HANDLEY, HOLLY	42,643	537	0	0	43,179	28,066	71,245.51	65.00%	TRAD
100790-011	10%	NAVAL SEA SYSTEMS COMMAND	HUANG, JINGWEI	23,885	0	0	443	24,328	15,525	39,852.87	63.82%	TRAD
400192-000	No	PRIVATE SPONSORS	KEATING, CHARLES	0	771	0	0	771	0	771.25	0.00%	TRAD
300706-010	80%	STEVENS INSTITUTE OF TECHNOLOGY	KOVACIC, SAMUEL	60,470	1,366	0	4,322	66,158	34,010	100,168.32	51.41%	TRAD
100736-010	20%	NATIONAL SCIENCE FOUNDATION	PAZOS-LAGO, PILAR	6,960	1,621	0	0	8,581	4,720	13,301.12	55.00%	TRAD
100816-010	17%	NATIONAL SCIENCE FOUNDATION	PAZOS-LAGO, PILAR	45,266	12,808	0	3,038	61,111	31,940	93,051.41	52.27%	TRAD
300802-010	25%	OLD DOMINION UNIVERSITY	PINTO, CESAR	2,071	13	0	0	2,084	0	2,084.35	0.00%	TRAD
300802-010	25%	OLD DOMINION UNIVERSITY	RABADI, GHAITH	2,071	13	0	0	2,084	0	2,084.35	0.00%	TRAD
300706-010	10%	STEVENS INSTITUTE OF TECHNOLOGY	SOUSA-POZA, ANDRES	7,559	171	0	540	8,270	4,251	12,521.04	51.41%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
TOTAL DEPARTMENT OF ENGINEERING MANAGEMENT & SYSTEMS ENGINEERING				346,589	18,280	0	42,019	406,887	218,488	625,375	53.70%	
TOTAL BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY				4,555,697	1,051,273	1,017,663	1,289,754	7,914,387	2,195,310	10,109,698	27.74%	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
COLLEGE OF HEALTH SCIENCES												
DEAN, COLLEGE OF HEALTH SCIENCES												
400543-010	No	HENRY M. JACKSON FOUNDATION	RHEA, CHRISTOPHER	7,310	2,417	0	0	9,728	5,350	15,078	55.00%	TRAD
300805-010	No	EASTERN VIRGINIA MEDICAL SCHOOL	VAN LUNEN, BONNIE	3,440	0	0	0	3,440	1,892	5,332	55.00%	TRAD
300857-010	No	A.T. STILL UNIVERSITY	VAN LUNEN, BONNIE	4,038	0	0	0	4,038	606	4,644	15.00%	TRAD
	TOTAL DEAN, COLLEGE OF HEALTH SCIENCES			**14,789**	**2,417**	**0**	**0**	**17,206**	**7,848**	**25,054**	45.61%	
SCHOOL OF COMMUNITY & ENVIRONMENTAL HEALTH												
400485-010	No	THE UNITED STATES-JAPAN FOUNDATION	BECKER, STEVEN	0	11,290	0	0	11,290	0	11,290	0.00%	TRAD
300721-010	No	JOHNS-HOPKINS UNIVERSITY	BLANDO, JAMES	6,482	0	0	0	6,482	519	7,000	8.00%	TRAD
300852-012	33%	OLD DOMINION UNIVERSITY	BLANDO, JAMES	0	7,937	0	0	7,937	0	7,937	0.00%	TRAD
300644-010	50%	JOHNS-HOPKINS UNIVERSITY	GALADIMA, HADIZA	0	892	0	0	892	71	963	8.00%	TRAD
300852-011	No	OLD DOMINION UNIVERSITY	GALADIMA, HADIZA	3,246	7,275	0	0	10,521	0	10,521	0.00%	TRAD
300852-018	40%	OLD DOMINION UNIVERSITY	GALADIMA, HADIZA	2,126	1,490	0	0	3,616	0	3,616	0.00%	TRAD
300852-016	No	OLD DOMINION UNIVERSITY	HOGLUND, LESLIE	12,842	2,108	0	0	14,950	0	14,950	0.00%	TRAD
400467-010	No	ROBERT WOOD JOHNSON FOUNDATION	HOGLUND, LESLIE	0	6,000	0	20,000	26,000	1,720	27,720	6.62%	TRAD
300803-010	40%	OLD DOMINION UNIVERSITY	JENG, ANNA	2,920	0	0	0	2,920	0	2,920	0.00%	TRAD
300852-014	No	OLD DOMINION UNIVERSITY	JENG, ANNA	0	21,497	0	0	21,497	0	21,497	0.00%	TRAD
300872-010	No	OLD DOMINION UNIVERSITY	JENG, ANNA	3,336	2,358	0	0	5,694	569	6,263	10.00%	TRAD
500471-010	20%	NASONI	JENG, ANNA	3,921	800	0	0	4,721	2,597	7,318	55.00%	TRAD
300605-010	No	OLD DOMINION UNIVERSITY	KEKEH, MICHELE	9,113	0	0	0	9,113	0	9,113	0.00%	TRAD
300852-018	60%	OLD DOMINION UNIVERSITY	KEKEH, MICHELE	3,189	2,234	0	0	5,424	0	5,424	0.00%	TRAD
300644-010	50%	JOHNS-HOPKINS UNIVERSITY	SHANGANI, SYLVIA	0	892	0	0	892	71	963	8.00%	TRAD
400494-010	25%	AMERICAN DENTAL HYGIENE ASSOCIATION	SHUMAN, DEANNE	0	266	0	107	372	0	372	0.00%	TRAD
300852-015	No	OLD DOMINION UNIVERSITY	SZKLO, MARIANA	548	9,800	0	0	10,348	0	10,348	0.00%	TRAD
300852-017	No	OLD DOMINION UNIVERSITY	TAYLOR, DASHAUNDA	0	895	0	0	895	0	895	0.00%	TRAD
100953-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	YARISH, NATALIE	102,123	2,298	0	0	104,421	8,354	112,774	8.00%	TRAD
100733-010	No	U.S. DEPARTMENT OF AGRICULTURE	ZHANG, QI (HARRY)	10,191	0	0	0	10,191	1,019	11,210	10.00%	TRAD
100913-010	60%	U.S. DEPARTMENT OF AGRICULTURE	ZHANG, QI (HARRY)	18,211	1,020	0	0	19,231	1,923	21,154	10.00%	TRAD
300551-010	No	TUFTS UNIVERSITY	ZHANG, QI (HARRY)	20,300	0	0	0	20,300	11,165	31,465	55.00%	TRAD
300852-013	No	OLD DOMINION UNIVERSITY	ZHANG, QI (HARRY)	10,712	16,340	0	1,280	28,331	0	28,331	0.00%	TRAD
400494-010	25%	AMERICAN DENTAL HYGIENE ASSOCIATION	ZHANG, QI (HARRY)	0	266	0	107	372	0	372	0.00%	TRAD
	TOTAL SCHOOL OF COMMUNITY & ENVIRONMENTAL HEALTH			**209,258**	**95,657**	**0**	**21,493**	**326,408**	**28,008**	**354,416**	**8.58%**	
SCHOOL OF DENTAL HYGIENE												
400504-010	No	AMERICAN SOCIETY OF FORENSIC ODONTOLOGY	BRADSHAW, BRENDA	0	1,050	0	0	1,050	0	1,050	0.00%	TRAD
400453-010	50%	AMERICAN DENTAL HYGIENE ASSOCIATION	BRUHN, ANN	0	361	0	0	361	0	361	0.00%	TRAD
400453-010	50%	AMERICAN DENTAL HYGIENE ASSOCIATION	CLAIBORNE, DENISE	0	361	0	0	361	0	361	0.00%	TRAD
400494-010	50%	AMERICAN DENTAL HYGIENE ASSOCIATION	CLAIBORNE, DENISE	0	532	0	213	745	0	745	0.00%	TRAD
400537-010	70%	AMERICAN DENTAL HYGIENE ASSOCIATION	LUDWIG, EMILY	703	1,424	0	0	2,127	0	2,127	0.00%	TRAD
300659-010	No	JOHNS-HOPKINS UNIVERSITY	SUEDBECK, JESSICA	0	1,965	0	0	1,965	157	2,122	8.00%	TRAD
	TOTAL SCHOOL OF DENTAL HYGIENE			**703**	**5,693**	**0**	**213**	**6,609**	**157**	**6,766**	**2.38%**	
SCHOOL OF MEDICAL DIAGNOSTIC & TRANSLATIONAL SCIENCES												
100796-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	BRUNO, ROBERT	3,994	8,258	0	0	12,251	6,738	18,989	55.00%	TRAD
300852-012	34%	OLD DOMINION UNIVERSITY	BRUNO, ROBERT	0	8,177	0	0	8,177	0	8,177	0.00%	TRAD
300883-001	50%	OLD DOMINION UNIVERSITY	BRUNO, ROBERT	13,890	0	0	0	13,890	0	13,890	0.00%	TRAD
400461-010	No	COMMONWEALTH TRANSFUSION FOUNDATION	KRAJ, BARBARA	0	2,512	0	0	2,512	0	2,512	0.00%	TRAD
400525-010	No	ASCP FOUNDATON	KRAJ, BARBARA	0	1,000	0	0	1,000	0	1,000	0.00%	TRAD
100796-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SACHS, PATRICK	3,994	8,258	0	0	12,251	6,738	18,989	55.00%	TRAD
300852-012	33%	OLD DOMINION UNIVERSITY	SACHS, PATRICK	0	7,937	0	0	7,937	0	7,937	0.00%	TRAD
300883-001	50%	OLD DOMINION UNIVERSITY	SACHS, PATRICK	13,890	0	0	0	13,890	0	13,890	0.00%	TRAD
	TOTAL SCHOOL OF MEDICAL DIAGNOSTIC & TRANSLATIONAL SCIENCES			**35,766**	**36,141**	**0**	**0**	**71,907**	**13,476**	**85,384**	**18.74%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
SCHOOL OF MEDICAL DIAGNOSTIC & TRANSLATIONAL SCIENCES - FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)												
100875-020	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	CATRAVAS, JOHN	38,094	3,467	17,970	0	59,531	22,859	82,390	38.40%	CBE
100875-030	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	CATRAVAS, JOHN	198,748	37,188	0	0	235,936	129,765	365,701	55.00%	CBE
500461-010	No	KEVIRX, INC.	CATRAVAS, JOHN	19,637	0	0	0	19,637	10,800	30,437	55.00%	CBE
500226-021	50%	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, CLAUDIA	16,585	1,366	0	862	18,813	9,873	28,686	52.48%	CBE
500226-022	70%	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, ANDREI	3,222	0	0	0	3,222	1,772	4,994	55.00%	CBE
		TOTAL SCHOOL OF MEDICAL DIAGNOSTIC & TRANSLATIONAL SCIENCES - FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)		**276,286**	**42,021**	**17,970**	**862**	**337,139**	**175,069**	**512,207**	**51.93%**	
SCHOOL OF REHABILITATION SCIENCES												
400451-010	No	NATIONAL ASSOCIATION RESEARCH AND EDUCATION FOUNDATION	CAVALLARIO, JULIE	2,657	0	0	0	2,657	399	3,056	15.00%	TRAD
500471-010	80%	NASONI	KOPERNA, LISA	15,684	3,200	0	0	18,884	10,386	29,271	55.00%	TRAD
300590-010	No	VIRGINIA COMMONWEALTH UNIVERSITY	LAVERDURE, PATRICIA	8,563	0	0	12,000	20,563	685	21,248	3.33%	TRAD
400490-010	No	NATIONAL ATHLETIC TRAINERS' ASSOCIATION	MCCANN, RYAN	0	698	0	0	698	0	698	0.00%	TRAD
400541-010	No	VIRGINIA ATHLETIC TRAINERS ASSOCIATION	MCCANN, RYAN	0	150	0	0	150	0	150	0.00%	TRAD
400332-010	27%	ALZHEIMER'S ASSOCIATION	MORRISON, STEVEN	457	0	0	0	457	46	502	10.00%	TRAD
400537-010	30%	AMERICAN DENTAL HYGIENE ASSOCIATION	RUSSELL, DANIEL	301	610	0	0	911	0	911	0.00%	TRAD
400517-010	No	AMERICAN COLLEGE OF SPORTS MEDICINE	SCHUSSLER, ERIC	0	2,040	0	0	2,040	0	2,040	0.00%	TRAD
		TOTAL SCHOOL OF REHABILITATION SCIENCES		**27,662**	**6,697**	**0**	**12,000**	**46,360**	**11,516**	**57,876**	**24.84%**	
TOTAL COLLEGE OF HEALTH SCIENCES				**564,464**	**188,627**	**17,970**	**34,568**	**805,629**	**236,074**	**1,041,703**	**29.30%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
COLLEGE OF SCIENCES												
DEAN, COLLEGE OF SCIENCES												
100954-010	32.00%	NATIONAL SCIENCE FOUNDATION	FERGUSON, SARAH	5,987	211	0	1,248	7,446	3,409	10,854	45.78%	TRAD
	TOTAL DEAN, COLLEGE OF SCIENCES			**5,987**	**211**	**0**	**1,248**	**7,446**	**3,409**	**10,854**	45.78%	
DEPARTMENT OF BIOLOGICAL SCIENCES												
100688-010	10%	NATIONAL SCIENCE FOUNDATION	BARSHIS, DANIEL	13,955	50,389	1,685	44,617	110,646	16,729	127,376	15.12%	TRAD
300821-010	No	UNIVERSITY OF HAWAII	BARSHIS, DANIEL	973	1,025	16,056	0	18,053	519	18,572	2.88%	TRAD
400344-010	No	US-ISRAEL BINATIONAL SCIENCE FOUNDATION	BARSHIS, DANIEL	0	25	0	(497)	(472)	(71)	(543)	15.00%	TRAD
400426-010	No	BISHOP MUSEUM	BARSHIS, DANIEL	16,875	24,422	0	5,926	47,223	10,737	57,960	22.74%	TRAD
400429-010	No	NATIONAL PARK FOUNDATION	BARSHIS, DANIEL	50,420	31,295	0	0	81,715	7,714	89,429	9.44%	TRAD
600239-010	No	UNIVERSITAT OF KONSTANZ	BARSHIS, DANIEL	102,217	67,501	1,060	0	170,778	16,972	187,749	9.94%	TRAD
600245-010	No	UNIVERSITAT OF KONSTANZ	BARSHIS, DANIEL	28,164	2,581	0	0	30,745	4,304	35,049	14.00%	TRAD
600247-010	No	IBEROSTAR	BARSHIS, DANIEL	0	886	7,864	0	8,750	0	8,750	0.00%	TRAD
100603-010	No	NATIONAL SCIENCE FOUNDATION	BARTOL, IAN	1,307	4,229	0	0	5,536	3,046	8,582	55.02%	TRAD
100688-010	90%	NATIONAL SCIENCE FOUNDATION	CARPENTER, KENT	125,595	453,500	15,165	401,554	995,815	150,565	1,146,380	15.12%	TRAD
300711-010	No	VA INSTITUTE OF MARINE SCIENCE	CARPENTER, KENT	0	97	0	25,919	26,016	0	26,016	0.00%	TRAD
600185-010	No	INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL R	CARPENTER, KENT	10,689	0	0	0	10,689	3,207	13,896	30.00%	TRAD
600229-020	No	INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL R	CARPENTER, KENT	7,860	1,325	0	0	9,185	918	10,103	10.00%	TRAD
600246-010	No	INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL R	CARPENTER, KENT	33,642	0	0	0	33,642	3,364	37,006	10.00%	TRAD
600252-010	No	INTERNATIONAL UNION FOR CONSERVATION OF NATURE AND NATURAL R	CARPENTER, KENT	3,652	0	0	0	3,652	365	4,017	10.00%	TRAD
300680-011	No	OLD DOMINION UNIVERSITY	DAUER, DANIEL	7,704	0	0	11,899	19,604	1,960	21,564	10.00%	TRAD
300680-012	No	OLD DOMINION UNIVERSITY	DAUER, DANIEL	3,473	0	0	(0)	3,473	347	3,820	10.00%	TRAD
300727-010	No	VA INSTITUTE OF MARINE SCIENCE	DAUER, DANIEL	0	0	0	41	41	0	41	0.00%	TRAD
300786-011	No	OLD DOMINION UNIVERSITY	DAUER, DANIEL	186,378	17,042	0	0	203,420	19,175	222,595	9.43%	TRAD
300786-012	No	OLD DOMINION UNIVERSITY	DAUER, DANIEL	93,443	0	0	0	93,443	9,344	102,788	10.00%	TRAD
300826-010	No	VA INSTITUTE OF MARINE SCIENCE	DAUER, DANIEL	18,825	559	0	10,198	29,581	0	29,581	0.00%	TRAD
100684-010	50%	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	GAFF, HOLLY	17,381	10,364	0	123,862	151,608	15,260	166,868	10.07%	TRAD
100851-010	No	U.S. DEPARTMENT OF AGRICULTURE	GAFF, HOLLY	0	771	0	0	771	77	848	10.00%	TRAD
100934-010	No	U.S. DEPARTMENT OF AGRICULTURE	GAFF, HOLLY	31,897	4,751	0	6,057	42,706	3,665	46,370	8.58%	TRAD
300549-010	No	COLUMBIA UNIVERSITY	GAFF, HOLLY	16,236	0	0	1,864	18,100	8,930	27,030	49.34%	TRAD
300810-010	No	UNIVERSITY OF FLORIDA	GAFF, HOLLY	24,795	0	0	0	24,795	13,637	38,432	55.00%	TRAD
400484-010	No	WASHINGTON BIOLOGISTS' FIELD CLUB	GAFF, HOLLY	0	1,176	0	0	1,176	0	1,176	0.00%	TRAD
100684-010	15%	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	GAUTHIER, DAVID	5,214	3,109	0	37,159	45,482	4,578	50,060	10.07%	TRAD
100863-010	No	NATIONAL SCIENCE FOUNDATION	GAUTHIER, DAVID	4,920	1,221	0	35,457	41,599	1,597	43,195	3.84%	TRAD
300668-001	No	OLD DOMINION UNIVERSITY	GAUTHIER, DAVID	0	170	0	0	170	0	170	0.00%	TRAD
200009-029	34%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	HORTH, LISA	821	804	0	0	1,625	0	1,625	0.00%	TRAD
200287-010	No	VA DEPARTMENT OF AGRICULTURE	HORTH, LISA	0	612	0	0	612	0	612	0.00%	TRAD
400268-010	No	VIRGINIA STATE BEEKEEPERS ASSOCIATION	HORTH, LISA	0	720	0	0	720	0	720	0.00%	TRAD
100684-010	35%	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	HYNES, WAYNE	12,167	7,255	0	86,704	106,125	10,682	116,807	10.07%	TRAD
100889-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	KRAJ, PIOTR	0	24,934	0	0	24,934	13,714	38,647	55.00%	TRAD
100858-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SHOLLENBERGER, LISA	3,117	26,622	0	0	29,739	16,357	46,096	55.00%	TRAD
200369-010	No	COMMONWEALTH HEALTH RESEARCH BOARD	SHOLLENBERGER, LISA	0	1,872	0	0	1,872	0	1,872	0.00%	TRAD
100924-010	33%	NATIONAL SCIENCE FOUNDATION	SLOEY, TAYLOR	6,167	1,110	0	12,075	19,352	4,002	23,355	20.68%	TRAD
300824-010	No	VA INSTITUTE OF MARINE SCIENCE	SLOEY, TAYLOR	0	0	0	39,850	39,850	0	39,850	0.00%	TRAD
100954-010	10%	NATIONAL SCIENCE FOUNDATION	STEEL, CHRISTINA	1,871	66	0	390	2,327	1,065	3,392	45.78%	TRAD
100724-010	No	NATIONAL SCIENCE FOUNDATION	WALLACE, LISA	3,600	0	0	5,746	9,346	1,980	11,326	21.18%	TRAD
100924-010	34%	NATIONAL SCIENCE FOUNDATION	WALLACE, LISA	6,354	1,144	0	12,441	19,939	4,124	24,062	20.68%	TRAD
100542-010	No	NATIONAL SCIENCE FOUNDATION	WALTERS, ERIC	35,495	18,738	0	14,800	69,033	14,101	83,134	20.43%	TRAD
100666-040	No	NATIONAL SCIENCE FOUNDATION	WALTERS, ERIC	0	0	0	37,428	37,428	0	37,428	0.00%	TRAD
100861-010	No	NATIONAL SCIENCE FOUNDATION	WHITEMAN, JOHN	19,188	21,223	0	3,721	44,133	22,227	66,359	50.36%	TRAD
400531-010	No	POLAR BEARS INTERNATIONAL - US	WHITEMAN, JOHN	0	500	0	0	500	0	500	0.00%	TRAD
100924-010	33%	NATIONAL SCIENCE FOUNDATION	YANDO, ERIK	6,167	1,110	0	12,075	19,352	4,002	23,355	20.68%	TRAD
300669-019	No	OLD DOMINION UNIVERSITY	ZHANG, PENGWEI	5,921	936	0	0	6,856	0	6,856	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
TOTAL DEPARTMENT OF BIOLOGICAL SCIENCES				**906,484**	**784,083**	**41,830**	**929,287**	**2,661,684**	**389,194**	**3,050,878**	**14.62%**	
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY												
100664-010	60%	NATIONAL SCIENCE FOUNDATION	BAYSE, CRAIG	0	1,210	0	2,889	4,100	666	4,766	16.24%	TRAD
100927-010	75%	NATIONAL SCIENCE FOUNDATION	BAYSE, CRAIG	16,615	3,665	0	41,912	62,192	11,154	73,346	17.93%	TRAD
300522-010	40%	COLLEGE OF WILLIAM AND MARY	BAYSE, CRAIG	0	1,538	0	0	1,538	846	2,384	55.00%	TRAD
400488-010	No	VIRGINIA ACADEMY OF SCIENCE	BAYSE, CRAIG	0	938	0	0	938	0	938	0.00%	TRAD
100846-019	No	LANGLEY RESEARCH CENTER	BENDER, TRANDON	2,583	0	0	0	2,583	0	2,583	0.00%	TRAD
100806-010	No	NASA/HEADQUARTERS	BERNATH, PETER	21,297	9,456	9,463	0	40,216	16,915	57,131	42.06%	TRAD
100842-010	No	NASA/HEADQUARTERS	BERNATH, PETER	79,726	254	15,063	8,666	103,708	43,989	147,697	42.42%	TRAD
100887-010	No	NASA/HEADQUARTERS	BERNATH, PETER	35,945	18,183	0	5,996	60,125	29,771	89,895	49.52%	TRAD
100911-010	No	NASA/HEADQUARTERS	BERNATH, PETER	76,180	3,543	0	0	79,723	43,848	123,571	55.00%	TRAD
100916-010	No	NASA/HEADQUARTERS	BERNATH, PETER	92,036	4,419	7,063	17,533	121,050	53,050	174,101	43.82%	TRAD
300638-010	No	EASTERN VIRGINIA MEDICAL SCHOOL	COOPER, JOHN	86,672	4,945	0	0	91,618	50,390	142,008	55.00%	TRAD
400459-010	No	CONRAD	COOPER, JOHN	0	0	0	9,710	9,710	5,340	15,051	55.00%	TRAD
400521-010	No	CONRAD	COOPER, JOHN	40,752	3,195	0	0	43,947	24,171	68,118	55.00%	TRAD
400521-020	No	CONRAD	COOPER, JOHN	52,892	1,225	0	0	54,117	32,470	86,587	60.00%	TRAD
300680-010	No	OLD DOMINION UNIVERSITY	DONAT, JOHN	17,530	29,314	0	12,928	59,771	4,591	64,363	7.68%	TRAD
300786-010	No	OLD DOMINION UNIVERSITY	DONAT, JOHN	377,250	178,955	0	0	556,205	46,864	603,068	8.43%	TRAD
400489-010	No	VIRGINIA ACADEMY OF SCIENCE	GREENE, LESLEY	0	614	0	0	614	0	614	0.00%	TRAD
600244-010	No	CEFIC CES - SILICONES EUROPE	HATCHER, PATRICK	36,611	4,604	0	0	41,215	22,668	63,884	55.00%	TRAD
100664-010	40%	NATIONAL SCIENCE FOUNDATION	HOLDER, ALVIN	0	807	0	1,926	2,733	444	3,177	16.24%	TRAD
100718-040	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	0	449	0	1,857	2,306	184	2,490	8.00%	TRAD
100718-050	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	37,386	18,991	0	99,528	155,905	10,050	165,954	6.45%	TRAD
100893-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	0	118	0	0	118	9	127	8.00%	TRAD
100893-020	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	7,116	9,863	0	84,829	101,807	6,503	108,310	6.39%	TRAD
100893-030	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	6,007	0	0	19,196	25,203	2,016	27,220	8.00%	TRAD
100972-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HOLDER, ALVIN	7,286	477	0	2,390	10,152	812	10,965	8.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	HOLDER, ALVIN	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300766-010	50%	OLD DOMINION UNIVERSITY	HOLDER, ALVIN	0	0	34,400	0	34,400	0	34,400	0.00%	TRAD
300668-003	No	OLD DOMINION UNIVERSITY	LAMBERT, KYLE	(932)	0	0	0	(932)	0	(932)	0.00%	TRAD
300660-010	70%	OLD DOMINION UNIVERSITY	LEE, JAMES	0	426	0	0	426	0	426	0.00%	TRAD
100927-010	25%	NATIONAL SCIENCE FOUNDATION	MCCOY, PINKY	5,538	1,222	0	13,971	20,731	3,718	24,449	17.93%	TRAD
100943-010	No	NATIONAL SCIENCE FOUNDATION	PAGOLA, SILVINA	4,487	13,159	55,985	0	73,631	9,705	83,336	13.18%	TRAD
300766-010	50%	OLD DOMINION UNIVERSITY	PAGOLA, SILVINA	0	0	34,400	0	34,400	0	34,400	0.00%	TRAD
300584-010	No	UNIVERSITY OF CALIFORNIA (ALL CAMPUSES)	PASCAL, STEVEN	14,252	22,468	0	6,900	43,620	20,196	63,816	46.30%	TRAD
100730-010	No	NATIONAL SCIENCE FOUNDATION	POUTSMA, JENNIFER	1,889	0	0	0	1,889	1,039	2,927	55.00%	TRAD
100939-010	No	NATIONAL SCIENCE FOUNDATION	POUTSMA, JENNIFER	2,603	0	0	0	2,603	1,432	4,035	55.00%	TRAD
100942-010	No	NATIONAL SCIENCE FOUNDATION	PURCELL, ERIN	21,062	18,207	0	1,200	40,469	21,598	62,067	53.37%	TRAD
100957-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	PURCELL, ERIN	3,443	5,633	0	0	9,076	5,446	14,522	60.00%	TRAD
300522-010	60%	COLLEGE OF WILLIAM AND MARY	PURCELL, ERIN	0	2,307	0	0	2,307	1,269	3,576	55.00%	TRAD
300759-010	No	EASTERN VIRGINIA MEDICAL SCHOOL	PURCELL, ERIN	1,047	5,643	0	0	6,691	669	7,360	10.00%	TRAD
500226-021	50%	PULSE BIOSCIENCES (ELECTROBLATE)	PURCELL, ERIN	16,585	1,366	0	862	18,813	9,873	28,686	52.48%	TRAD
100729-010	No	NATIONAL SCIENCE FOUNDATION	WANG, GUIJUN	9,794	3,621	0	562	13,977	7,378	21,355	52.79%	TRAD
100865-010	No	NATIONAL SCIENCE FOUNDATION	WANG, GUIJUN	52,317	7,632	0	0	59,949	32,972	92,921	55.00%	TRAD
300688-010	No	OLD DOMINION UNIVERSITY	WANG, GUIJUN	1,260	3,863	0	0	5,123	0	5,123	0.00%	TRAD
100960-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	XU, NANCY	8,725	2,048	0	0	10,773	6,464	17,237	60.00%	TRAD
TOTAL DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY				**1,136,472**	**384,387**	**156,372**	**334,974**	**2,012,205**	**528,509**	**2,540,714**	**26.27%**	
DEPARTMENT OF MATHEMATICS & STATISTICS												
300680-014	No	OLD DOMINION UNIVERSITY	CHAGANTY, NARASINGA	310	0	0	2	311	31	342	9.95%	TRAD
300786-014	No	OLD DOMINION UNIVERSITY	CHAGANTY, NARASINGA	13,561	0	0	0	13,561	1,356	14,917	10.00%	TRAD
200357-010	45%	VA DEPARTMENT OF MOTOR VEHICLES	DIAWARA, NOROU	18,609	5,792	0	3,262	27,663	6,344	34,007	22.93%	TRAD
200374-010	50%	VA DEPARTMENT OF MOTOR VEHICLES	DIAWARA, NOROU	24,560	5,849	0	2,958	33,366	7,906	41,273	23.70%	TRAD
300672-010	40%	OLD DOMINION UNIVERSITY	DIAWARA, NOROU	(7,582)	0	0	0	(7,582)	(2,275)	(9,857)	30.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300803-010	40%	OLD DOMINION UNIVERSITY	DIAWARA, NOROU	2,920	0	0	0	2,920	0	2,920	0.00%	TRAD
400522-010	17%	AMERICAN FOUNDATION FOR SUICIDE PREVENTION	DUTTA, SANDIPAN	3,422	1,599	0	0	5,021	0	5,021	0.00%	TRAD
400203-012	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	HU, FANG	36,286	0	0	0	36,286	9,434	45,721	26.00%	TRAD
100817-010	No	NATIONAL SCIENCE FOUNDATION	JOO, SOOKYUNG	0	8,233	0	0	8,233	4,528	12,761	55.00%	TRAD
400347-011	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LUO, LI-SHI	64,589	0	0	0	64,589	0	64,589	0.00%	TRAD
400528-001	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LUO, LI-SHI	40,765	0	0	0	40,765	0	40,765	0.00%	TRAD
100913-010	20%	U.S. DEPARTMENT OF AGRICULTURE	PARK, KAYOUNG	6,070	340	0	0	6,410	641	7,051	10.00%	TRAD
100862-010	No	NATIONAL SCIENCE FOUNDATION	SHI, KE	31,301	2,751	0	641	34,693	18,729	53,422	53.98%	TRAD
400423-010	No	SIMONS FOUNDATION	SHI, KE	0	217	0	0	217	43	261	20.00%	TRAD
100815-010	No	NATIONAL SCIENCE FOUNDATION	SONG, GUOHUI	64,832	0	0	0	64,832	35,657	100,489	55.00%	TRAD
100848-010	No	LANGLEY RESEARCH CENTER	TWEED, JOHN	134,036	0	0	0	134,036	34,849	168,885	26.00%	TRAD
100871-010	No	NATIONAL SCIENCE FOUNDATION	XU, XIANG	23,253	2,017	0	0	25,271	13,899	39,169	55.00%	TRAD
300888-002	No	OLD DOMINION UNIVERSITY	XU, XIANG	1,245	0	0	0	1,245	0	1,245	0.00%	TRAD
100812-010	No	NATIONAL SCIENCE FOUNDATION	XU, YUESHENG	3,631	1,642	0	0	5,272	2,900	8,172	55.00%	TRAD
100951-010	No	NATIONAL SCIENCE FOUNDATION	XU, YUESHENG	12,045	0	0	0	12,045	6,625	18,670	55.00%	TRAD
400346-025	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	XU, YUESHENG	6,628	0	0	0	6,628	0	6,628	0.00%	TRAD
400513-010	No	MEMORIAL SLOAN KETTERING CANCER CENTER	XU, YUESHENG	57,142	0	0	0	57,142	31,428	88,570	55.00%	TRAD
400527-018	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	XU, YUESHENG	0	0	0	1,857	1,857	0	1,857	0.00%	TRAD
300884-010	No	OLD DOMINION UNIVERSITY	YAMALEEV, NAIL	7,138	0	0	0	7,138	4,283	11,421	60.00%	TRAD
TOTAL DEPARTMENT OF MATHEMATICS & STATISTICS				**544,758**	**28,441**	**0**	**8,719**	**581,918**	**176,379**	**758,297**	**30.31%**	
DEPARTMENT OF OCEAN & EARTH SCIENCES												
100805-010	No	NATIONAL SCIENCE FOUNDATION	BOCHDANSKY, ALEXANDER	29,433	3,244	1,242	0	33,919	17,972	51,891	52.99%	TRAD
100879-010	No	NATIONAL SCIENCE FOUNDATION	BOCHDANSKY, ALEXANDER	0	(120)	120	0	0	(66)	(66)	#DIV/0!	TRAD
100928-010	No	NATIONAL SCIENCE FOUNDATION	BOCHDANSKY, ALEXANDER	46,487	30,756	34,380	0	111,622	42,483	154,106	38.06%	TRAD
100705-010	No	NATIONAL SCIENCE FOUNDATION	BURDIGE, DAVID	42,491	4,629	0	0	47,120	25,916	73,036	55.00%	TRAD
100803-010	No	NATIONAL SCIENCE FOUNDATION	CHAPPELL, PHOEBE	10,044	13,235	0	3,429	26,707	12,803	39,511	47.94%	TRAD
100936-010	No	NATIONAL SCIENCE FOUNDATION	CHAPPELL, PHOEBE	56,234	29,919	0	5,151	91,304	47,384	138,688	51.90%	TRAD
100846-016	No	LANGLEY RESEARCH CENTER	CLAYTON, SOPHIE	3,581	0	0	0	3,581	0	3,581	0.00%	TRAD
100870-010	No	NATIONAL SCIENCE FOUNDATION	CLAYTON, SOPHIE	1,167	0	0	0	1,167	374	1,541	32.00%	TRAD
300742-010	No	UNIVERSITY OF DELAWARE	CLAYTON, SOPHIE	5,808	6,005	0	0	11,813	6,497	18,310	55.00%	TRAD
100649-010	No	NATIONAL SCIENCE FOUNDATION	CUTTER, GREGORY	0	1,451	0	0	1,451	798	2,249	55.00%	TRAD
100677-010	No	NATIONAL SCIENCE FOUNDATION	CUTTER, GREGORY	0	5,144	0	5,344	10,488	2,829	13,318	26.98%	TRAD
100868-010	No	NATIONAL SCIENCE FOUNDATION	CUTTER, GREGORY	104,377	154,937	38,604	26,320	324,238	142,623	466,861	43.99%	TRAD
100904-010	No	NATIONAL SCIENCE FOUNDATION	CUTTER, GREGORY	69,767	27,960	0	5,385	103,112	53,750	156,861	52.13%	TRAD
300633-010	50%	VA INSTITUTE OF MARINE SCIENCE	DOBBS, FRED	13,681	1,327	0	0	15,008	0	15,008	0.00%	TRAD
400505-010	No	CONSORTIUM FOR OCEAN LEADERSHIP, INC.	DOBBS, FREDERICK	0	818	0	0	818	0	818	0.00%	TRAD
200386-010	40%	CITY OF VIRGINIA BEACH	HALE, RICHARD	2,560	71	0	0	2,631	684	3,315	26.00%	TRAD
300668-002	No	OLD DOMINION UNIVERSITY	HALE, RICHARD	0	730	0	0	730	0	730	0.00%	TRAD
100920-010	No	NASA/HEADQUARTERS	HILL, VICTORIA	84,094	289	0	6,641	91,024	46,410	137,434	50.99%	TRAD
100921-010	33%	NASA/HEADQUARTERS	HILL, VICTORIA	10,947	1,993	0	0	12,940	7,117	20,056	55.00%	TRAD
300030-018	10%	UNIVERSITY OF VIRGINIA	HILL, VICTORIA	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
300498-010	50%	VA INSTITUTE OF MARINE SCIENCE	HILL, VICTORIA	908	63	0	832	1,802	534	2,336	29.61%	TRAD
400545-010	50%	DAUPHIN ISLAND SEA LABORATORY	HILL, VICTORIA	7,912	0	0	0	7,912	1,187	9,099	15.00%	TRAD
500443-010	33%	NALU SCIENTIFIC	HILL, VICTORIA	7,546	4,514	0	0	12,060	6,633	18,693	55.00%	TRAD
100963-010	9%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MCLEOD, GEORGE	4,448	6	0	0	4,454	779	5,234	17.50%	TRAD
200332-010	15%	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	MCLEOD, GEORGE	16,502	3,467	0	0	19,968	2,197	22,165	11.00%	TRAD
100735-010	No	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MULHOLLAND, MARGARET	21,032	1,078	0	0	22,110	12,161	34,271	55.00%	TRAD
200352-010	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	MULHOLLAND, MARGARET	19,845	1,200	0	8,292	29,338	2,934	32,271	10.00%	TRAD
200378-010	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	MULHOLLAND, MARGARET	45,911	8,216	0	0	54,127	5,413	59,540	10.00%	TRAD
200388-010	No	HAMPTON ROADS SANITATION DISTRICT COMMISSION	MULHOLLAND, MARGARET	0	1,008	0	0	1,008	101	1,108	10.00%	TRAD
300558-020	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	(80)	0	0	0	(80)	(8)	(88)	10.00%	TRAD
300558-030	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	3,031	123	0	0	3,154	303	3,457	9.61%	TRAD
300558-040	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	39,891	3,303	0	0	43,195	3,989	47,184	9.24%	TRAD
300668-008	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	4,956	0	0	0	4,956	0	4,956	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300680-013	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	35,753	0	0	1,013	36,766	3,676	40,442	10.00%	TRAD
300786-013	No	OLD DOMINION UNIVERSITY	MULHOLLAND, MARGARET	139,297	8,274	0	0	147,571	14,757	162,328	10.00%	TRAD
100712-010	No	NATIONAL SCIENCE FOUNDATION	SCHMIDT, MATTHEW	15,828	28,773	0	0	44,601	24,531	69,132	55.00%	TRAD
100929-010	No	NATIONAL SCIENCE FOUNDATION	SCHMIDT, MATTHEW	46,771	24	0	10,838	57,633	25,737	83,370	44.66%	TRAD
100707-010	No	NATIONAL SCIENCE FOUNDATION	SEDWICK, PETER	19,289	3,676	0	0	22,964	12,630	35,594	55.00%	TRAD
100742-010	No	NATIONAL SCIENCE FOUNDATION	SEDWICK, PETER	19,243	1,087	0	0	20,330	11,182	31,512	55.00%	TRAD
100874-010	No	NATIONAL SCIENCE FOUNDATION	SEDWICK, PETER	17,668	25,262	0	0	42,930	23,612	66,542	55.00%	TRAD
100910-010	No	NATIONAL SCIENCE FOUNDATION	SEDWICK, PETER	55,100	14,009	7,524	3,441	80,074	38,010	118,084	47.47%	TRAD
100948-010	No	NATIONAL SCIENCE FOUNDATION	SEDWICK, PETER	27,734	15,262	0	3,426	46,422	23,648	70,070	50.94%	TRAD
100899-010	No	NASA/HEADQUARTERS	TAMBORSKI, JOSEPH	30,289	10,288	0	10,135	50,712	22,317	73,030	44.01%	TRAD
100936-011	No	NATIONAL SCIENCE FOUNDATION	TAMBORSKI, JOSEPH	13,110	19,775	6,000	0	38,885	18,087	56,971	46.51%	TRAD
500482-010	No	WEANACK LAND LIMITED PARTNERS	TAMBORSKI, JOSEPH	3,912	1,796	0	0	5,707	1,458	7,165	25.54%	TRAD
100946-010	No	NATIONAL SCIENCE FOUNDATION	WALLACE, LISA	21,901	0	0	0	21,901	12,045	33,946	55.00%	TRAD
200386-010	30%	CITY OF VIRGINIA BEACH	WALLACE, LISA	1,920	53	0	0	1,973	513	2,486	26.00%	TRAD
500421-010	No	WEANACK LAND LIMITED PARTNERS	WHITTECAR, RICHARD	3,443	506	0	77	4,027	1,047	5,074	26.00%	TRAD
100921-010	34%	NASA/HEADQUARTERS	ZIMMERMAN, RICHARD	11,278	2,053	0	0	13,332	7,332	20,664	55.00%	TRAD
300498-010	50%	VA INSTITUTE OF MARINE SCIENCE	ZIMMERMAN, RICHARD	908	63	0	832	1,802	534	2,336	29.61%	TRAD
400545-010	50%	DAUPHIN ISLAND SEA LABORATORY	ZIMMERMAN, RICHARD	7,912	0	0	0	7,912	1,187	9,099	15.00%	TRAD
500443-010	34%	NALU SCIENTIFIC	ZIMMERMAN, RICHARD	7,775	4,651	0	0	12,425	6,834	19,259	55.00%	TRAD
		TOTAL DEPARTMENT OF OCEAN & EARTH SCIENCES		**1,132,220**	**440,945**	**87,870**	**93,277**	**1,754,311**	**692,932**	**2,447,243**	**39.50%**	
CENTER FOR COASTAL PHYSICAL OCEANOGRAPHY												
100747-010	50%	NATIONAL SCIENCE FOUNDATION	DINNIMAN, MICHAEL	1,781	238	0	0	2,019	1,110	3,130	55.00%	TRAD
300775-010	No	UNIVERSITY OF COLORADO	DINNIMAN, MICHAEL	33,328	0	0	0	33,328	3,333	36,660	10.00%	TRAD
600242-010	No	UNIVERSITY OF TASMANIA	DINNIMAN, MICHAEL	9,746	0	0	48	9,794	5,388	15,182	55.01%	TRAD
300683-010	No	OLD DOMINION UNIVERSITY	HAGERMAN, GEORGE	896	0	0	0	896	0	896	0.00%	TRAD
300686-010	No	TEXAS A&M UNIVERSITY	HAGERMAN, GEORGE	2,120	0	0	0	2,120	1,166	3,286	55.00%	TRAD
100667-010	No	NATIONAL SCIENCE FOUNDATION	HOFMANN, EILEEN	11,899	5,000	0	0	16,899	9,295	26,194	55.00%	TRAD
100735-011	No	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	HOFMANN, EILEEN	31,424	210	0	0	31,634	17,399	49,033	55.00%	TRAD
300399-010	No	VA INSTITUTE OF MARINE SCIENCE	HOFMANN, EILEEN	27,225	0	0	0	27,225	14,974	42,199	55.00%	TRAD
300554-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	HOFMANN, EILEEN	1,192	0	0	0	1,192	209	1,400	17.50%	TRAD
300619-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	HOFMANN, EILEEN	2,428	0	0	0	2,428	1,336	3,764	55.00%	TRAD
300653-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	HOFMANN, EILEEN	9,143	0	0	0	9,143	5,029	14,172	55.00%	TRAD
300712-010	50%	CORNELL UNIVERSITY	HOFMANN, EILEEN	13,368	0	0	0	13,368	7,352	20,720	55.00%	TRAD
100687-010	No	NASA/HEADQUARTERS	KLINCK, JOHN	0	0	0	(144)	(144)	0	(144)	0.00%	TRAD
100747-010	50%	NATIONAL SCIENCE FOUNDATION	KLINCK, JOHN	1,781	238	0	0	2,019	1,110	3,130	55.00%	TRAD
300554-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	KLINCK, JOHN	1,192	0	0	0	1,192	209	1,400	17.50%	TRAD
300619-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	KLINCK, JOHN	2,428	0	0	0	2,428	1,336	3,764	55.00%	TRAD
300653-010	50%	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	KLINCK, JOHN	9,143	0	0	0	9,143	5,029	14,172	55.00%	TRAD
300712-010	50%	CORNELL UNIVERSITY	KLINCK, JOHN	13,368	0	0	0	13,368	7,352	20,720	55.00%	TRAD
300741-010	No	UNIVERSITY OF DELAWARE	UPDYKE, TERESA	90,002	24,373	0	0	114,375	62,906	177,281	55.00%	TRAD
500464-010	No	CODAR	UPDYKE, TERESA	5,498	0	0	0	5,498	3,024	8,522	55.00%	TRAD
		TOTAL CENTER FOR COASTAL PHYSICAL OCEANOGRAPHY		**267,961**	**30,058**	**0**	**(96)**	**297,923**	**147,555**	**445,478**	**49.53%**	
DEPARTMENT OF PSYCHOLOGY												
100626-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	BRAITMAN, ABBY	32,947	12,295	0	0	45,243	3,619	48,862	8.00%	TRAD
100798-010	25%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	BRAITMAN, ABBY	14,836	8,108	0	2,695	25,638	12,619	38,257	49.22%	TRAD
100937-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	BRAITMAN, ABBY	0	0	0	29,049	29,049	0	29,049	0.00%	TRAD
100873-010	34%	NATIONAL SCIENCE FOUNDATION	CHEN, JING	2,268	0	0	0	2,268	1,247	3,515	55.00%	TRAD
100876-011	No	NATIONAL SCIENCE FOUNDATION	CHEN, JING	5,925	0	0	0	5,925	3,259	9,184	55.00%	TRAD
100738-010	20%	NATIONAL SCIENCE FOUNDATION	CIGULAROV, KONSTANTIN	5,356	3,134	0	23,055	31,545	4,670	36,214	14.80%	TRAD
100898-010	No	OFFICE OF NAVAL RESEARCH	CIGULAROV, KONSTANTIN	54,431	9,829	0	12,412	76,672	16,708	93,379	21.79%	TRAD
400542-010	25%	SOCIETY FOR INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (SIOP)	EGGLER, KRISTEN	563	500	0	0	1,063	0	1,063	0.00%	TRAD
100726-030	60%	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	GLENN, CATHERINE	0	0	0	(6)	(6)	0	(6)	0.00%	TRAD
300677-010	No	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	GLENN, CATHERINE	84,704	8,488	0	0	93,192	51,256	144,447	55.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300709-010	No	STATE UNIVERSITY OF NEW JERSEY (ALL CAMPUSES)	GLENN, CATHERINE	43,019	1,029	0	0	44,048	24,226	68,275	55.00%	TRAD
400522-010	83%	AMERICAN FOUNDATION FOR SUICIDE PREVENTION	GLENN, CATHERINE	16,707	7,808	0	0	24,516	0	24,516	0.00%	TRAD
100798-010	75%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HERON, KRISTIN	44,508	24,323	0	8,084	76,914	37,857	114,771	49.22%	TRAD
100844-010	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HERON, KRISTIN	0	0	0	(4)	(4)	0	(4)	0.00%	TRAD
100881-020	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	KELLEY, MICHELLE	33,332	20,259	0	28,541	82,132	29,475	111,608	35.89%	TRAD
100881-030	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	KELLEY, MICHELLE	57,228	11,614	0	13,425	82,266	37,863	120,130	46.02%	TRAD
100673-010	20%	NATIONAL SCIENCE FOUNDATION	MAJOR, DEBRA	2,983	1,042	0	0	4,025	2,214	6,239	55.00%	TRAD
200349-010	50%	LOUISIANA DEPARTMENT OF EDUCATION	NOELL, GEORGE	13,393	0	0	0	13,393	3,348	16,741	25.00%	TRAD
300615-020	No	LOUISIANA STATE UNIVERSITY	NOELL, GEORGE	17,459	0	0	0	17,459	9,602	27,061	55.00%	TRAD
300806-010	No	LOUISIANA STATE UNIVERSITY	NOELL, GEORGE	2,946	2,444	0	0	5,390	2,965	8,355	55.00%	TRAD
400542-010	50%	SOCIETY FOR INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (SIOP)	OLENICK,JEFF	1,126	1,000	0	0	2,126	0	2,126	0.00%	TRAD
100850-010	33%	NATIONAL SCIENCE FOUNDATION	PORTER, BRYAN	7,537	2,128	0	35,550	45,215	5,316	50,531	11.76%	TRAD
300892-010	No	NORFOLK STATE UNIVERSITY	RODRIGUEZ, CHRISTINA	4,631	0	0	0	4,631	0	4,631	0.00%	TRAD
500468-010	No	MEDICAL CYBERWORLDS, INC.	SCERBO, MARK	25,172	0	0	1,223	26,395	13,844	40,239	52.45%	TRAD
100850-010	33%	NATIONAL SCIENCE FOUNDATION	YAMANI, YUSUKE	7,539	2,129	0	35,561	45,229	5,317	50,546	11.76%	TRAD
100971-010	50%	NATIONAL SCIENCE FOUNDATION	YAMANI, YUSUKE	3,743	464	0	0	4,207	2,524	6,732	60.00%	TRAD
200358-010	33%	VA DEPARTMENT OF MOTOR VEHICLES	YAMANI, YUSUKE	9,746	4,223	0	0	13,969	3,632	17,601	26.00%	TRAD
200375-010	33%	VA DEPARTMENT OF MOTOR VEHICLES	YAMANI, YUSUKE	11,470	5,399	0	0	16,869	4,386	21,254	26.00%	TRAD
300888-004	No	OLD DOMINION UNIVERSITY	YAMANI, YUSUKE	775	0	0	0	775	0	775	0.00%	TRAD
400271-015	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	YAMANI, YUSUKE	23,469	8,212	7,272	7,226	46,179	17,425	63,603	37.73%	TRAD
400271-017	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	YAMANI, YUSUKE	49,986	537	3,422	1,783	55,728	30,314	86,041	54.40%	TRAD
100850-010	33%	NATIONAL SCIENCE FOUNDATION	YANG, XIAO	7,537	2,128	0	35,550	45,215	5,316	50,531	11.76%	TRAD
300846-010	33%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	YANG, XIAO	0	191	0	0	191	0	191	0.00%	TRAD
300889-004	No	OLD DOMINION UNIVERSITY	YANG, XIAO	753	0	0	0	753	0	753	0.00%	TRAD
400271-016	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	YANG, XIAO	7,182	13,740	0	0	20,922	11,507	32,429	55.00%	TRAD
	TOTAL DEPARTMENT OF PSYCHOLOGY			**593,270**	**151,026**	**10,693**	**234,142**	**989,131**	**340,509**	**1,329,640**	**34.43%**	
DEPARTMENT OF PSYCHOLOGY - CENTER FOR CYBERSECURITY (CYBER)												
300703-010	30%	OLD DOMINION UNIVERSITY	STILL, JEREMIAH	6,520	763	0	0	7,284	0	7,284	0.00%	CYBER
	TOTAL DEPARTMENT OF PSYCHOLOGY - CENTER FOR CYBERSECURITY (CYBER)			**6,520**	**763**	**0**	**0**	**7,284**	**0**	**7,284**	**0.00%**	
DEPARTMENT OF PHYSICS												
100388-150	17%	U.S. DEPARTMENT OF ENERGY	AMARYAN, MOSKOV	95,191	6,173	0	5,808	107,172	55,750	162,922	52.02%	TRAD
100388-154	99%	U.S. DEPARTMENT OF ENERGY	AMARYAN, MOSKOV	53,794	0	0	0	53,794	13,986	67,780	26.00%	TRAD
400528-008	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	AMARYAN, MOSKOV	10,663	0	0	0	10,663	0	10,663	0.00%	TRAD
100392-030	25%	U.S. DEPARTMENT OF ENERGY	BALITSKY, IAN	16,359	27	0	0	16,385	9,012	25,397	55.00%	TRAD
100849-010	33%	NATIONAL SCIENCE FOUNDATION	BRICENO, RAUL	0	0	0	15,048	15,048	0	15,048	0.00%	TRAD
300510-010	No	OLD DOMINION UNIVERSITY	BRICENO, RAUL	98,876	0	0	6,796	105,672	54,382	160,054	51.46%	TRAD
400346-050	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BRICENO, RAUL	7,924	0	0	0	7,924	0	7,924	0.00%	TRAD
400346-063	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BRICENO, RAUL	6,400	0	0	0	6,400	0	6,400	0.00%	TRAD
400346-064	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BRICENO, RAUL	6,400	0	0	0	6,400	0	6,400	0.00%	TRAD
400523-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BRICENO, RAUL	4,133	0	0	707	4,840	0	4,840	0.00%	TRAD
100388-150	15%	U.S. DEPARTMENT OF ENERGY	BUELTMANN, STEPHEN	83,992	5,447	0	5,125	94,564	49,191	143,755	52.02%	TRAD
100388-154	1%	U.S. DEPARTMENT OF ENERGY	BUELTMANN, STEPHEN	543	0	0	0	543	141	685	26.00%	TRAD
100614-010	40%	NATIONAL SCIENCE FOUNDATION	CIOVATI, GIANLUIGI	7,410	2,624	0	(5,957)	4,077	999	5,075	24.50%	TRAD
400346-041	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CIOVATI, GIANLUIGI	5,751	0	0	0	5,751	0	5,751	0.00%	TRAD
400346-047	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CIOVATI, GIANLUIGI	17,654	0	0	0	17,654	0	17,654	0.00%	TRAD
400527-012	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CIOVATI, GIANLUIGI	11,768	0	0	0	11,768	0	11,768	0.00%	TRAD
100711-010	25%	U.S. DEPARTMENT OF ENERGY	DE SILVA, SUBASHINI	0	5,177	0	0	5,177	1,346	6,523	26.00%	TRAD
300714-010	20%	OLD DOMINION UNIVERSITY	DE SILVA, SUBASHINI	8,178	4,254	0	12,006	24,438	6,838	31,275	27.98%	TRAD
100387-020	50%	U.S. DEPARTMENT OF ENERGY	DELAYEN, JEAN	52,108	5,384	0	58,251	115,743	14,948	130,691	12.91%	TRAD
100614-010	30%	NATIONAL SCIENCE FOUNDATION	DELAYEN, JEAN	5,557	1,968	0	(4,468)	3,058	749	3,807	24.50%	TRAD
100711-010	75%	U.S. DEPARTMENT OF ENERGY	DELAYEN, JEAN	0	15,532	0	0	15,532	4,038	19,570	26.00%	TRAD
100843-010	No	FERMI NATIONAL ACCELERATOR LABORATORY	DELAYEN, JEAN	97,111	3,896	0	0	101,007	26,262	127,268	26.00%	TRAD
300442-010	50%	TEMPLE UNIVERSITY	DELAYEN, JEAN	3,175	866	0	273	4,314	2,223	6,537	51.52%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300714-010	40%	OLD DOMINION UNIVERSITY	DELAYEN, JEAN	16,356	8,508	0	24,011	48,875	13,675	62,551	27.98%	TRAD
300762-010	50%	UNIVERSITY OF KANSAS	DELAYEN, JEAN	0	1,451	0	0	1,451	377	1,828	26.00%	TRAD
400343-010	No	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	DELAYEN, JEAN	2,168	20,868	0	0	23,036	12,670	35,705	55.00%	TRAD
400346-034	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	9,003	0	0	0	9,003	0	9,003	0.00%	TRAD
400346-035	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	12,602	0	0	0	12,602	0	12,602	0.00%	TRAD
400346-037	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	13,616	0	0	0	13,616	0	13,616	0.00%	TRAD
400452-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	129,752	900	0	0	130,652	71,858	202,510	55.00%	TRAD
400527-008	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	6,262	0	0	0	6,262	0	6,262	0.00%	TRAD
400527-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	3,612	0	0	0	3,612	0	3,612	0.00%	TRAD
400527-019	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	DELAYEN, JEAN	3,419	0	0	0	3,419	0	3,419	0.00%	TRAD
100846-021	No	LANGLEY RESEARCH CENTER	GRAU, MATTHEW	3,419	0	0	0	3,419	0	3,419	0.00%	TRAD
100962-010	30%	U.S. DEPARTMENT OF ENERGY	GRAU, MATTHEW	7,095	846	0	0	7,941	4,368	12,309	55.00%	TRAD
200009-027	50%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	GRAU, MATTHEW	0	786	0	1,750	2,536	0	2,536	0.00%	TRAD
300669-012	No	OLD DOMINION UNIVERSITY	GRAU, MATTHEW	4,115	0	0	(0)	4,115	0	4,115	0.00%	TRAD
300888-001	No	OLD DOMINION UNIVERSITY	GRAU, MATTHEW	0	0	0	5,000	5,000	0	5,000	0.00%	TRAD
400468-011	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	GRAU, MATTHEW	9,687	0	0	0	9,688	5,813	15,500	60.00%	TRAD
400546-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	GRAU, MATTHEW	4,691	0	0	0	4,691	1,220	5,910	26.00%	TRAD
100387-020	50%	U.S. DEPARTMENT OF ENERGY	GUREVICH, ALEXANDER	52,108	5,384	0	58,251	115,743	14,948	130,691	12.91%	TRAD
100614-010	30%	NATIONAL SCIENCE FOUNDATION	GUREVICH, ALEXANDER	5,557	1,968	0	(4,468)	3,058	749	3,807	24.50%	TRAD
300442-010	50%	TEMPLE UNIVERSITY	GUREVICH, ALEXANDER	3,175	866	0	273	4,314	2,223	6,537	51.52%	TRAD
400346-039	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	GUREVICH, ALEXANDER	3,042	0	0	0	3,042	0	3,042	0.00%	TRAD
100388-150	17%	U.S. DEPARTMENT OF ENERGY	HYDE, CHARLES	95,191	6,173	0	5,808	107,172	55,750	162,922	52.02%	TRAD
400346-056	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	HYDE, CHARLES	6,593	0	0	0	6,593	0	6,593	0.00%	TRAD
400406-040	25%	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	HYDE, CHARLES	7,750	0	0	0	7,750	0	7,750	0.00%	TRAD
400498-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	HYDE, CHARLES	3,747	0	0	65	3,812	0	3,812	0.00%	TRAD
400558-010	No	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	HYDE, CHARLES	0	0	0	3,000	3,000	0	3,000	0.00%	TRAD
100849-010	33%	NATIONAL SCIENCE FOUNDATION	KRAFFT, GEOFFREY	0	0	0	15,048	15,048	0	15,048	0.00%	TRAD
300762-010	50%	UNIVERSITY OF KANSAS	KRAFFT, GEOFFREY	0	1,451	0	0	1,451	377	1,828	26.00%	TRAD
400320-010	No	THE AMERICAN PHYSICAL SOCIETY (APS)	KRAFFT, GEOFFREY	0	0	0	47,239	47,239	0	47,239	0.00%	TRAD
400346-038	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KRAFFT, GEOFFREY	5,540	0	0	0	5,540	0	5,540	0.00%	TRAD
400346-046	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KRAFFT, GEOFFREY	15,847	0	0	0	15,847	0	15,847	0.00%	TRAD
400527-011	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KRAFFT, GEOFFREY	5,356	0	0	0	5,356	0	5,356	0.00%	TRAD
100388-150	17%	U.S. DEPARTMENT OF ENERGY	KUHN, SEBASTIAN	95,191	6,173	0	5,808	107,172	55,750	162,922	52.02%	TRAD
400528-002	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	40,585	0	0	0	40,585	0	40,585	0.00%	TRAD
400528-003	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	47,546	0	0	0	47,546	0	47,546	0.00%	TRAD
400528-004	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	55,615	0	0	0	55,615	0	55,615	0.00%	TRAD
400528-005	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	33,586	0	0	0	33,586	0	33,586	0.00%	TRAD
400528-006	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	29,707	0	0	0	29,707	0	29,707	0.00%	TRAD
400528-007	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	53,068	0	0	0	53,068	0	53,068	0.00%	TRAD
400533-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	KUHN, SEBASTIAN	0	0	0	11,000	11,000	0	11,000	0.00%	TRAD
100392-030	25%	U.S. DEPARTMENT OF ENERGY	RADYUSHKIN, ANATOLY	16,359	27	0	0	16,385	9,012	25,397	55.00%	TRAD
300444-010	No	OLD DOMINION UNIVERSITY	ROGERS, TED	76,057	7,930	0	8,684	92,671	46,193	138,863	49.85%	TRAD
400527-009	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	SATOGATA, TODD	8,076	0	0	0	8,076	0	8,076	0.00%	TRAD
400534-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	SATOGATA, TODD	0	0	0	11,000	11,000	0	11,000	0.00%	TRAD
100392-030	25%	U.S. DEPARTMENT OF ENERGY	SCHIAVILLA, ROCCO	16,359	27	0	0	16,385	9,012	25,397	55.00%	TRAD
100388-150	17%	U.S. DEPARTMENT OF ENERGY	STEPANYAN, STEPAN	95,191	6,173	0	5,808	107,172	55,750	162,922	52.02%	TRAD
100877-010	No	NATIONAL SCIENCE FOUNDATION	SUKENIK, CHARLES	60,857	4,854	0	3,728	69,439	36,141	105,580	52.05%	TRAD
200009-027	50%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SUKENIK, CHARLES	0	786	0	1,750	2,536	0	2,536	0.00%	TRAD
400271-012	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	SUKENIK, CHARLES	4,482	728	0	0	5,210	2,866	8,076	55.00%	TRAD
400271-018	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	SUKENIK, CHARLES	12,877	30,911	4,428	0	48,216	26,273	74,489	54.49%	TRAD
400347-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	SUKENIK, CHARLES	374,221	0	0	0	374,221	0	374,221	0.00%	TRAD
500443-010	33%	NALU SCIENTIFIC	SUKENIK, CHARLES	7,546	4,514	0	0	12,060	6,633	18,693	55.00%	TRAD
100810-010	No	NATIONAL SCIENCE FOUNDATION	TERZIC, BALSA	57,450	11,324	0	11,442	80,217	37,826	118,043	47.15%	TRAD
100849-010	34%	NATIONAL SCIENCE FOUNDATION	TERZIC, BALSA	0	0	0	15,504	15,504	0	15,504	0.00%	TRAD
100849-010	No	NATIONAL SCIENCE FOUNDATION	TERZIC, BALSA	0	0	0	40,587	40,587	0	40,587	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300030-018	10%	UNIVERSITY OF VIRGINIA	TERZIC, BALSA	518	29	0	2,120	2,667	0	2,667	0.00%	TRAD
400346-036	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	11,836	0	0	0	11,836	0	11,836	0.00%	TRAD
400346-052	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	17,655	0	0	0	17,655	0	17,655	0.00%	TRAD
400346-053	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	8,692	0	0	0	8,692	0	8,692	0.00%	TRAD
400346-054	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	8,692	0	0	0	8,692	0	8,692	0.00%	TRAD
400440-010	33%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	5,227	0	0	0	5,227	0	5,227	0.00%	TRAD
400527-007	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	11,768	0	0	0	11,768	0	11,768	0.00%	TRAD
400527-013	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	5,584	0	0	0	5,584	0	5,584	0.00%	TRAD
400527-014	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	TERZIC, BALSA	5,584	0	0	0	5,584	0	5,584	0.00%	TRAD
100392-030	25%	U.S. DEPARTMENT OF ENERGY	VAN ORDEN, JAY	16,359	27	0	0	16,385	9,012	25,397	55.00%	TRAD
100388-150	17%	U.S. DEPARTMENT OF ENERGY	WEINSTEIN, LAWRENCE	95,191	6,173	0	5,808	107,172	55,750	162,922	52.02%	TRAD
400524-010	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	WEINSTEIN, LAWRENCE	0	0	0	6,000	6,000	0	6,000	0.00%	TRAD
100935-010	No	NATIONAL SCIENCE FOUNDATION	ZHANG, YUAN	38,552	19,070	0	6,459	64,081	31,692	95,774	49.46%	TRAD
100955-010	5%	NATIONAL SCIENCE FOUNDATION	ZHANG, YUAN	251	100	0	0	351	193	544	55.00%	TRAD
300684-010	No	OLD DOMINION UNIVERSITY	ZHANG, YUAN	0	5,297	0	0	5,297	0	5,297	0.00%	TRAD
TOTAL DEPARTMENT OF PHYSICS				**2,333,372**	**204,690**	**4,428**	**385,265**	**2,927,755**	**805,995**	**3,733,750**	**27.53%**	
DEPARTMENT OF COMPUTER SCIENCE												
400346-023	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CHRISOCHOIDES, NIKOS	0	0	0	5,290	5,290	0	5,290	0.00%	TRAD
400346-024	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CHRISOCHOIDES, NIKOS	8,497	0	0	0	8,497	0	8,497	0.00%	TRAD
400346-055	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	CHRISOCHOIDES, NIKOS	5,800	0	0	0	5,800	0	5,800	0.00%	TRAD
400406-040	75%	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	CHRISOCHOIDES, NIKOS	23,250	0	0	0	23,250	0	23,250	0.00%	TRAD
300596-010	No	STONY BROOK UNIVERSITY	GANJIGUNTE ASHOK, VIKAS	41,480	0	0	0	41,480	22,814	64,294	55.00%	TRAD
300649-010	50%	STONY BROOK UNIVERSITY	GANJIGUNTE ASHOK, VIKAS	2,352	90	0	0	2,442	1,343	3,786	55.00%	TRAD
300848-010	33%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	GANJIGUNTE ASHOK, VIKAS	4,347	106	0	0	4,453	0	4,453	0.00%	TRAD
300585-010	25%	EASTERN VIRGINIA MEDICAL SCHOOL	GUPTA, AJAY	10,650	0	0	0	10,650	2,769	13,420	26.00%	TRAD
400542-010	25%	SOCIETY FOR INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (SIOP)	GUPTA, AJAY	563	500	0	0	1,063	0	1,063	0.00%	TRAD
400510-010	No	OPEN TECHNOLOGY FUND	HAO, SHUAI	41,948	55,521	0	59,870	157,340	0	157,340	0.00%	TRAD
100882-010	33%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	HE, JING	59,333	1,835	0	474	61,641	33,642	95,283	54.58%	TRAD
300856-010	40%	OLD DOMINION UNIVERSITY	HE, YI	3,026	672	0	0	3,698	0	3,698	0.00%	TRAD
300889-001	No	OLD DOMINION UNIVERSITY	HE, YI	0	850	0	0	850	0	850	0.00%	TRAD
300585-010	25%	EASTERN VIRGINIA MEDICAL SCHOOL	JAIN, SHUBHAM	10,650	0	0	0	10,650	2,769	13,420	26.00%	TRAD
100897-010	No	NATIONAL SCIENCE FOUNDATION	JAYARATHNA, UKWATTA	56,236	2,179	0	10,710	69,126	32,129	101,254	46.48%	TRAD
100914-010	40%	NATIONAL SCIENCE FOUNDATION	JAYARATHNA, UKWATTA	18,480	1,656	0	1,854	21,990	11,075	33,064	50.36%	TRAD
100933-010	50%	NATIONAL SCIENCE FOUNDATION	JAYARATHNA, UKWATTA	7,673	0	0	39,948	47,620	4,220	51,840	8.86%	TRAD
200009-025	40%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	JAYARATHNA, UKWATTA	1,027	0	0	0	1,027	0	1,027	0.00%	TRAD
300822-010	50%	BOWIE STATE UNIVERSITY	JAYARATHNA, UKWATTA	9,818	0	0	0	9,818	5,400	15,217	55.00%	TRAD
200009-025	20%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	KARUNARATHNA, MUDIYANSELAGE	513	0	0	0	513	0	513	0.00%	TRAD
300669-020	No	OLD DOMINION UNIVERSITY	LI, LUSI	5,921	1,007	0	0	6,928	0	6,928	0.00%	TRAD
300846-010	33%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	LI, LUSI	0	191	0	0	191	0	191	0.00%	TRAD
300800-010	33%	OLD DOMINION UNIVERSITY	LI, YAOHANG	1,977	962	0	0	2,939	0	2,939	0.00%	TRAD
400346-021	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, YAOHANG	7,156	0	0	11,051	18,207	0	18,207	0.00%	TRAD
400346-045	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, YAOHANG	3,272	0	0	0	3,272	0	3,272	0.00%	TRAD
400443-030	No	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	LI, YAOHANG	19,948	0	0	0	19,948	0	19,948	0.00%	TRAD
400480-010	No	SOUTHERN UNIVERSITIES RESEARCH ASSOC (SURA)	LI, YAOHANG	0	0	0	2,000	2,000	0	2,000	0.00%	TRAD
400527-017	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	LI, YAOHANG	3,878	0	0	0	3,878	0	3,878	0.00%	TRAD
200344-010	No	VA TOBACCO INDEMNIFICATN AND COMMUNITY REVITALIZATN COMM	MALY, KURT	3,591	0	0	0	3,591	0	3,591	0.00%	TRAD
200346-010	No	HAMPTON ROADS PLANNING DISTRICT COMMISSION	MALY, KURT	6,996	0	0	0	6,996	0	6,996	0.00%	TRAD
300585-010	25%	EASTERN VIRGINIA MEDICAL SCHOOL	MALY, KURT	10,650	0	0	0	10,650	2,769	13,420	26.00%	TRAD
300832-010	No	EASTERN VIRGINIA MEDICAL SCHOOL	MALY, KURT	2,152	0	0	0	2,152	1,291	3,443	60.00%	TRAD
500069-010	No	PRENTICE HALL BUSINESS PUBLISHING	MALY, KURT	0	454	0	0	454	0	454	0.00%	TRAD
600250-010	No	B.N.M. INSTITUTE OF TECHNOLOGY	MALY, KURT	0	0	0	12,455	12,455	0	12,455	0.00%	TRAD
300846-010	34%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	NING, RUI	0	197	0	0	197	0	197	0.00%	TRAD
300856-010	20%	OLD DOMINION UNIVERSITY	NING, RUI	1,513	336	0	0	1,849	0	1,849	0.00%	TRAD
300648-010	50%	STONY BROOK UNIVERSITY	OLARIU, STEPHAN	10,971	0	0	0	10,971	6,034	17,006	55.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300649-010	50%	STONY BROOK UNIVERSITY	OLARIU, STEPHAN	2,352	90	0	0	2,442	1,343	3,786	55.00%	TRAD
300848-010	34%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	POURSARDAR, FARYANEH	4,479	109	0	0	4,588	0	4,588	0.00%	TRAD
400501-010	No	SPACE SCIENCE INSTITUTE (SSI)	POURSARDAR, FARYANEH	2,523	46	0	0	2,569	822	3,391	32.00%	TRAD
100718-040	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	RANJAN, DESH	0	449	0	1,857	2,306	184	2,490	8.00%	TRAD
100718-050	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	RANJAN, DESH	37,386	18,991	0	99,528	155,905	10,050	165,954	6.45%	TRAD
100972-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	RANJAN, DESH	7,286	477	0	2,390	10,152	812	10,965	8.00%	TRAD
400440-010	34%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	RANJAN, DESH	5,385	0	0	0	5,385	0	5,385	0.00%	TRAD
300668-006	No	OLD DOMINION UNIVERSITY	SUN, JIANGWEN	4,606	63	0	0	4,668	0	4,668	0.00%	TRAD
300750-010	No	LOUISIANA STATE UNIVERSITY	SUN, JIANGWEN	26,973	1,026	0	0	27,999	15,399	43,398	55.00%	TRAD
100906-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	WEIGLE, MICHELE	5,497	0	0	0	5,497	1,759	7,256	32.00%	TRAD
300731-010	50%	NEW YORK UNIVERSITY	WEIGLE, MICHELE	29,286	0	0	0	29,286	4,686	33,972	16.00%	TRAD
300790-010	9%	OLD DOMINION UNIVERSITY	WEIGLE, MICHELE	15,955	5,049	0	326	21,329	11,552	32,881	54.16%	TRAD
300801-010	50%	OLD DOMINION UNIVERSITY	WEIGLE, MICHELE	4,275	140	0	0	4,415	0	4,415	0.00%	TRAD
300825-010	50%	DREXEL UNIVERSITY	WEIGLE, MICHELE	6,477	0	0	0	6,477	3,562	10,039	55.00%	TRAD
600241-010	50%	INTERNATIONAL INTERNET PRESERVATION CONS	WEIGLE, MICHELE	1,417	0	0	521	1,938	0	1,938	0.00%	TRAD
100864-010	No	LOS ALAMOS NATIONAL LABORATORIES	WU, JIAN	46,811	1,297	0	7,019	55,128	26,460	81,587	48.00%	TRAD
100933-010	50%	NATIONAL SCIENCE FOUNDATION	WU, JIAN	7,673	0	0	39,948	47,620	4,220	51,840	8.86%	TRAD
300491-010	No	PENNSYLVANIA STATE UNIVERSITY	WU, JIAN	673	1,014	0	0	1,687	928	2,615	55.00%	TRAD
300529-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	WU, JIAN	(2,375)	0	0	0	(2,375)	(1,306)	(3,681)	55.00%	TRAD
300562-010	No	PENNSYLVANIA STATE UNIVERSITY	WU, JIAN	43,028	35	0	881	43,944	23,685	67,628	53.90%	TRAD
300703-010	40%	OLD DOMINION UNIVERSITY	WU, JIAN	8,693	1,018	0	0	9,711	0	9,711	0.00%	TRAD
100965-010	No	LANGLEY RESEARCH CENTER	ZUBAIR, MOHAMMAD	37,327	0	0	0	37,327	9,705	47,032	26.00%	TRAD
300680-015	No	OLD DOMINION UNIVERSITY	ZUBAIR, MOHAMMAD	0	0	0	7,054	7,054	705	7,759	9.99%	TRAD
300786-015	No	OLD DOMINION UNIVERSITY	ZUBAIR, MOHAMMAD	5,522	0	0	0	5,522	552	6,074	10.00%	TRAD
400271-013	No	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES (NIA)	ZUBAIR, MOHAMMAD	32,405	0	0	0	32,405	8,425	40,830	26.00%	TRAD
400346-022	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ZUBAIR, MOHAMMAD	951	0	0	25	977	0	977	0.00%	TRAD
400440-010	33%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ZUBAIR, MOHAMMAD	5,227	0	0	0	5,227	0	5,227	0.00%	TRAD
400527-001	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ZUBAIR, MOHAMMAD	3,895	0	0	0	3,895	0	3,895	0.00%	TRAD
500466-010	No	INTEL CORPORATION	ZUBAIR, MOHAMMAD	14,341	1,269	0	0	15,610	0	15,610	0.00%	TRAD
		TOTAL DEPARTMENT OF COMPUTER SCIENCE		**741,738**	**97,628**	**0**	**303,200**	**1,142,566**	**249,799**	**1,392,365**	**21.86%**	
DEPARTMENT OF COMPUTER SCIENCE - CENTER FOR CYBERSECURITY (CYBER)												
100873-010	33%	NATIONAL SCIENCE FOUNDATION	WANG, CONG	2,201	0	0	0	2,201	1,211	3,411	55.00%	CYBER
100856-010	20%	NATIONAL SCIENCE FOUNDATION	ZHAO, DANELLA	0	0	0	40	40	0	40	0.00%	CYBER
300697-010	25%	OLD DOMINION UNIVERSITY	ZHAO, DANELLA	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300698-010	30%	OLD DOMINION UNIVERSITY	ZHAO, DANELLA	14,107	1,199	0	5,804	21,110	8,418	29,528	39.88%	CYBER
300718-010	50%	COLLEGE OF WILLIAM AND MARY	ZHAO, DANELLA	0	4,714	2,811	0	7,526	0	7,526	0.00%	CYBER
		TOTAL DEPARTMENT OF COMPUTER SCIENCE - CENTER FOR CYBERSECURITY (CYBER)		**22,863**	**6,676**	**2,811**	**10,155**	**42,505**	**13,654**	**56,159**	**32.12%**	
DEPARTMENT OF COMPUTER SCIENCE - VIRGINIA MODELING AND SIMULATION CENTER (VMASC)												
100906-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	NELSON, MICHAEL	5,497	0	0	0	5,497	1,759	7,256	32.00%	VMASC
300731-010	50%	NEW YORK UNIVERSITY	NELSON, MICHAEL	29,286	0	0	0	29,286	4,686	33,972	16.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	NELSON, MICHAEL	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	9%	OLD DOMINION UNIVERSITY	NELSON, MICHAEL	15,955	5,049	0	326	21,329	11,552	32,881	54.16%	VMASC
300825-010	50%	DREXEL UNIVERSITY	NELSON, MICHAEL	6,477	0	0	0	6,477	3,562	10,039	55.00%	VMASC
500455-010	No	PROTOCOL LABS	NELSON, MICHAEL	10,715	1,924	0	0	12,639	6,952	19,591	55.00%	VMASC
600241-010	50%	INTERNATIONAL INTERNET PRESERVATION CONS	NELSON, MICHAEL	1,417	0	0	521	1,938	0	1,938	0.00%	VMASC
		TOTAL DEPARTMENT OF COMPUTER SCIENCE - VIRGINIA MODELING AND SIMULATION CENTER (VMASC)		**80,575**	**8,432**	**0**	**3,052**	**92,059**	**29,526**	**121,584**	**32.07%**	
TOTAL COLLEGE OF SCIENCES				**7,772,221**	**2,137,341**	**304,004**	**2,303,221**	**12,516,787**	**3,377,459**	**15,894,246**	**26.98%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
OFFICE OF RESEARCH AND OTHER ODU UNITS												
SOCIAL SCIENCE RESEARCH CENTER												
200296-040	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	29,478	5,624	0	0	35,101	1,755	36,857	5.00%	SSRC
200296-050	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	4,288	10,529	0	0	14,817	741	15,558	5.00%	SSRC
200342-020	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	8,448	2,800	0	0	11,248	562	11,810	5.00%	SSRC
200342-030	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	15,811	15,191	0	0	31,001	1,550	32,552	5.00%	SSRC
200357-010	10%	VA DEPARTMENT OF MOTOR VEHICLES	VANDECAR-BURDIN, TANCY	4,135	1,287	0	725	6,147	1,410	7,557	22.93%	SSRC
200363-010	25%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	VANDECAR-BURDIN, TANCY	26,985	1,733	0	0	28,718	0	28,718	0.00%	SSRC
200367-010	No	JOINT COMMISSION ON HEALTH CARE	VANDECAR-BURDIN, TANCY	13,864	0	0	0	13,864	3,605	17,469	26.00%	SSRC
200371-010	50%	PORTSMOUTH POLICE DEPARTMENT	VANDECAR-BURDIN, TANCY	3,263	0	0	0	3,263	848	4,112	26.00%	SSRC
200373-010	No	CITY OF VIRGINIA BEACH	VANDECAR-BURDIN, TANCY	1,973	0	0	72	2,045	0	2,045	0.00%	SSRC
300577-010	33%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	2,611	0	0	2,094	4,706	1,224	5,929	26.00%	SSRC
300687-010	50%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	409	50	0	0	459	0	459	0.00%	SSRC
300719-010	50%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	7,799	3,839	0	17,788	29,425	0	29,425	0.00%	SSRC
300753-010	No	UNIVERSITY OF RHODE ISLAND	VANDECAR-BURDIN, TANCY	1,724	0	0	0	1,724	948	2,672	55.00%	SSRC
300772-010	5%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	3,046	2,492	0	0	5,539	443	5,982	8.00%	SSRC
300777-010	34%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	5,347	423	0	720	6,490	0	6,490	0.00%	SSRC
300818-010	No	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	13,750	0	0	0	13,750	0	13,750	0.00%	SSRC
300844-010	40%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	18,818	9,227	0	2,640	30,685	2,244	32,928	7.31%	SSRC
300877-010	34%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1,321	524	0	0	1,846	0	1,846	0.00%	SSRC
400514-010	5%	THE NATIONAL ACADEMIES	VANDECAR-BURDIN, TANCY	2,035	1,274	0	1,631	4,940	1,820	6,760	36.84%	SSRC
400519-010	25%	SENTARA HEALTHCARE	VANDECAR-BURDIN, TANCY	9,512	6,250	0	19,573	35,334	0	35,334	0.00%	SSRC
400532-010	50%	MOTHERS AGAINST DRUNK DRIVERS	VANDECAR-BURDIN, TANCY	4,703	1,427	0	120	6,250	3,750	10,000	60.00%	SSRC
	TOTAL SOCIAL SCIENCE RESEARCH CENTER			**179,318**	**62,672**	**0**	**45,363**	**287,352**	**20,900**	**308,252**	**7.27%**	
THE CENTER FOR EDUCATIONAL PARTNERSHIPS												
100835-010	20%	U.S. DEPARTMENT OF EDUCATION	BROBST, JOSEPH	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
300503-010	No	WESTERN WASHINGTON UNIVERSITY	BROBST, JOSEPH	17,313	829	0	0	18,142	9,978	28,120	55.00%	TCEP
300527-010	No	WESTERN WASHINGTON UNIVERSITY	BROBST, JOSEPH	16,404	0	0	0	16,404	9,022	25,427	55.00%	TCEP
300635-010	No	DELAWARE TECHNICAL AND COMMUNITY COLLEGE	BROBST, JOSEPH	11,993	338	0	0	12,331	6,782	19,113	55.00%	TCEP
100835-010	20%	U.S. DEPARTMENT OF EDUCATION	CHAPPELL MOOTS, SHANAN	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
100835-010	10%	U.S. DEPARTMENT OF EDUCATION	FERRELL, VENICIA	20,994	1,631	0	20,153	42,779	12,444	55,223	29.09%	TCEP
200372-010	No	ESSEX COUNTY PUBLIC SCHOOLS	FERRELL, VENICIA	28,969	6,655	0	0	35,623	9,262	44,885	26.00%	TCEP
400526-010	50%	CHESAPEAKE BAY TRUST	FERRELL, VENICIA	9,633	16,545	0	4,813	30,990	2,618	33,608	8.45%	TCEP
100835-010	25%	U.S. DEPARTMENT OF EDUCATION	GARNER, JOANNA	52,486	4,079	0	50,384	106,948	31,110	138,058	29.09%	TCEP
100885-010	No	SMITHSONIAN INSTITUTION	GARNER, JOANNA	19,252	2,254	0	0	21,507	5,592	27,099	26.00%	TCEP
300557-010	No	OKLAHOMA STATE UNIVERSITY	GARNER, JOANNA	2,753	0	0	(1)	2,752	716	3,468	26.01%	TCEP
300587-020	30%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	2,928	2,631	0	16,583	22,142	0	22,142	0.00%	TCEP
300587-030	30%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3,018	0	0	21,430	24,448	0	24,448	0.00%	TCEP
300836-010	33%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	0	3,960	0	0	3,960	317	4,277	8.00%	TCEP
300860-010	20%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	5,043	560	0	0	5,603	0	5,603	0.00%	TCEP
300869-010	20%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	237	175	0	0	412	0	412	0.00%	TCEP
400503-010	No	MARINER'S MUSEUM	GARNER, JOANNA	7,280	0	0	0	7,280	1,893	9,173	26.00%	TCEP
400507-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	4,309	2,026	0	0	6,335	3,484	9,819	55.00%	TCEP
400508-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	1,115	0	0	0	1,115	613	1,728	55.00%	TCEP
400509-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	3,349	0	0	3,608	6,957	1,043	8,000	14.99%	TCEP
400526-010	50%	CHESAPEAKE BAY TRUST	GARNER, JOANNA	9,633	16,545	0	4,813	30,990	2,618	33,608	8.45%	TCEP
300679-010	No	OLD DOMINION UNIVERSITY	JOE, MIA	5,990	0	0	0	5,990	0	5,990	0.00%	TCEP
300681-010	No	OLD DOMINION UNIVERSITY	JOE, MIA	5,437	1,392	0	0	6,829	0	6,829	0.00%	TCEP
100835-010	5%	U.S. DEPARTMENT OF EDUCATION	LONEY, MELANI	10,497	816	0	10,077	21,390	6,222	27,612	29.09%	TCEP
200290-010	70%	YORK COUNTY SCHOOLS	LONEY, MELANI	3,983	0	0	0	3,983	199	4,182	5.00%	TCEP
300587-020	40%	OLD DOMINION UNIVERSITY	LONEY, MELANI	3,904	3,507	0	22,111	29,522	0	29,522	0.00%	TCEP
300587-030	40%	OLD DOMINION UNIVERSITY	LONEY, MELANI	4,024	0	0	28,574	32,598	0	32,598	0.00%	TCEP
300844-010	60%	OLD DOMINION UNIVERSITY	LONEY, MELANI	28,227	13,840	0	3,960	46,027	3,365	49,392	7.31%	TCEP

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100835-010	20%	U.S. DEPARTMENT OF EDUCATION	WEBSTER, HALLDORA	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
200290-010	30%	YORK COUNTY SCHOOLS	WEBSTER, HALLDORA	1,707	0	0	0	1,707	85	1,792	5.00%	TCEP
300587-020	30%	OLD DOMINION UNIVERSITY	WEBSTER, HALLDORA	2,928	2,631	0	16,583	22,142	0	22,142	0.00%	TCEP
300587-030	30%	OLD DOMINION UNIVERSITY	WEBSTER, HALLDORA	3,018	0	0	21,430	24,448	0	24,448	0.00%	TCEP
		TOTAL THE CENTER FOR EDUCATIONAL PARTNERSHIPS		**412,391**	**90,203**	**0**	**345,438**	**848,032**	**182,029**	**1,030,061**	**21.46%**	
FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)												
300672-010	60%	OLD DOMINION UNIVERSITY	BEEBE, STEPHEN	(11,373)	0	0	0	(11,373)	(3,412)	(14,785)	30.00%	CBE
100945-010	80%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	PAKHOMOV, ANDREI	127,852	618	0	0	128,470	77,082	205,552	60.00%	CBE
300345-010	No	OLD DOMINION UNIVERSITY	PAKHOMOV, ANDREI	(28,770)	(1,233)	0	(6,081)	(36,084)	(16,502)	(52,585)	45.73%	CBE
500473-010	80%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	PAKHOMOV, ANDREI	98,025	31,560	15,758	0	145,343	77,751	223,094	53.49%	CBE
300345-012	No	OLD DOMINION UNIVERSITY	PAKHOMOVA, OLGA	(6,498)	0	0	(0)	(6,498)	(3,574)	(10,072)	55.00%	CBE
500226-022	30%	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, OLGA	1,381	0	0	0	1,381	759	2,140	55.00%	CBE
500473-010	10%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	PAKHOMOVA, OLGA	12,253	3,945	1,970	0	18,168	9,719	27,887	53.49%	CBE
100945-010	20%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SEMENOV, IURII	31,963	154	0	0	32,117	19,270	51,388	60.00%	CBE
500473-010	10%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	SEMENOV, IURII	12,253	3,945	1,970	0	18,168	9,719	27,887	53.49%	CBE
300660-010	30%	OLD DOMINION UNIVERSITY	VERNIER, PAUL THOMAS	0	183	0	0	183	0	183	0.00%	CBE
		TOTAL FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)		**237,086**	**39,172**	**19,698**	**(6,081)**	**289,875**	**170,813**	**460,688**	**58.93%**	
CENTER FOR BIOELECTRONICS (CBX)												
100804-010	No	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, GYMAMA	75,291	21,247	15,332	1,721	113,591	51,165	164,757	45.04%	CBX
100807-010	No	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, GYMAMA	9,464	14,572	303	0	24,339	13,220	37,558	54.31%	CBX
100893-010	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	0	118	0	0	118	9	127	8.00%	CBX
100893-020	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	7,116	9,863	0	84,829	101,807	6,503	108,310	6.39%	CBX
100893-030	50%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	6,007	0	0	19,196	25,203	2,016	27,220	8.00%	CBX
		TOTAL CENTER FOR BIOELECTRONICS (CBX)		**97,877**	**45,800**	**15,636**	**105,746**	**265,059**	**72,913**	**337,972**	**27.51%**	
VIRGINIA MODELING AND SIMULATION CENTER (VMASC)												
300675-010	10%	OLD DOMINION UNIVERSITY	AGGARWAL, PRIYANKA	1,718	43	0	0	1,761	0	1,761	0.00%	VMASC
100790-011	5%	NAVAL SEA SYSTEMS COMMAND	AMASON, DARRYL	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300592-010	20%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300639-010	30%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	0	83	0	(0)	83	0	83	0.00%	VMASC
300720-010	20%	STEVENS INSTITUTE OF TECHNOLOGY	AMASON, DARRYL	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
500390-010	60%	ALEX – ALTERNATIVE EXPERTS, LLC	AMASON, DARRYL	634	0	0	0	634	412	1,046	65.00%	VMASC
500435-030	20%	VALKYRIE ENTERPRISES, INC.	AMASON, DARRYL	11,761	0	0	0	11,761	7,645	19,406	65.00%	VMASC
500487-010	No	ALEX – ALTERNATIVE EXPERTS, LLC	AMASON, DARRYL	1,782	977	0	0	2,759	2,124	4,883	77.00%	VMASC
300744-010	10%	OLD DOMINION UNIVERSITY	BALL, PATRICK	3,323	21,684	0	0	25,007	0	25,007	0.00%	VMASC
500486-010	20%	DELOITTE CONSULTING, LLP	BANERJEE, SOUMYA	128	0	0	0	128	77	204	60.00%	VMASC
200343-010	20%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	BARRACO, ANTHONY	338	0	0	(0)	338	186	523	55.03%	VMASC
300543-010	20%	OLD DOMINION UNIVERSITY	BARRACO, ANTHONY	43,302	18,038	0	2,101	63,441	33,737	97,179	53.18%	VMASC
300790-010	24%	OLD DOMINION UNIVERSITY	BARRACO, ANTHONY	42,547	13,463	0	868	56,878	30,806	87,684	54.16%	VMASC
500460-010	80%	TIM HOILES	BARRACO, ANTHONY	0	0	0	77	77	43	120	55.36%	VMASC
100824-010	50%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	BEHR, JOSHUA	2,299	1,767	0	17,416	21,481	2,236	23,717	10.41%	VMASC
100883-010	25%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	BEHR, JOSHUA	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	33%	NATIONAL SCIENCE FOUNDATION	BEHR, JOSHUA	26,829	79,739	0	0	106,569	27,708	134,276	26.00%	VMASC
300543-010	15%	OLD DOMINION UNIVERSITY	BEHR, JOSHUA	32,476	13,529	0	1,576	47,581	25,303	72,884	53.18%	VMASC
300691-010	33%	OLD DOMINION UNIVERSITY	BEHR, JOSHUA	9,312	0	0	228	9,540	0	9,540	0.00%	VMASC
300813-010	16%	UNIVERSITY OF NORTH CAROLINA	BEHR, JOSHUA	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	VMASC
500394-010	50%	Arcadis Engineering	BEHR, JOSHUA	63	0	0	0	63	35	97	55.01%	VMASC
300545-010	20%	OLD DOMINION UNIVERSITY	BOWLES, DAVID	2,868	2,037	0	13,134	18,039	0	18,039	0.00%	VMASC
300661-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	0	5,071	0	0	5,071	0	5,071	0.00%	VMASC
300784-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	5,559	6,836	0	0	12,395	0	12,395	0.00%	VMASC
300785-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	0	7,985	0	0	7,985	0	7,985	0.00%	VMASC
400516-001	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	11,531	550	0	21,233	33,315	0	33,315	0.00%	VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
400516-002	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	2,175	0	0	0	2,175	0	2,175	0.00%	VMASC
400516-003	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	8,684	0	0	0	8,684	0	8,684	0.00%	VMASC
400516-004	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	7,481	892	0	0	8,372	0	8,372	0.00%	VMASC
100790-010	18%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	9,507	0	0	947	10,454	6,180	16,634	59.11%	VMASC
100790-011	10%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	23,885	0	0	443	24,328	15,525	39,853	63.82%	VMASC
300744-010	10%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	3,323	21,684	0	0	25,007	0	25,007	0.00%	VMASC
300793-010	25%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
300794-010	50%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	0	1,086	0	0	1,086	0	1,086	0.00%	VMASC
300795-010	75%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	77,140	0	0	10,631	87,770	0	87,770	0.00%	VMASC
100931-010	50%	NAVAL SURFACE WARFARE CENTER	CROLL, MENION	0	0	0	44,885	44,885	27,983	72,868	62.35%	VMASC
400548-010	25%	ADVANCED TECHNOLOGY INTERNATIONAL	CROLL, MENION	64,581	5,284	0	0	69,865	41,919	111,784	60.00%	VMASC
500396-002	25%	ManTech	CROLL, MENION	(394)	0	0	0	(394)	(256)	(650)	65.00%	VMASC
100958-010	20%	U.S. DEPARTMENT OF EDUCATION	CVIJETIC, BRATISLAV	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
400530-010	15%	REINVENT HAMPTON ROADS	CVIJETIC, BRATISLAV	0	5,251	32,394	0	37,645	0	37,645	0.00%	VMASC
300758-010	20%	OLD DOMINION UNIVERSITY	CZACK, RUSSELL	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300592-010	20%	OLD DOMINION UNIVERSITY	DIALLO, SAIKOU	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
100883-010	25%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	DIAZ, RAFAEL	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	33%	NATIONAL SCIENCE FOUNDATION	DIAZ, RAFAEL	26,829	79,739	0	0	106,569	27,708	134,276	26.00%	VMASC
300658-010	34%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	0	0	0	656	656	0	656	0.00%	VMASC
300671-010	25%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300691-010	34%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	9,594	0	0	235	9,829	0	9,829	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300770-010	48%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	26,841	789	0	0	27,629	0	27,629	0.00%	VMASC
300802-010	25%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	2,071	13	0	0	2,084	0	2,084	0.00%	VMASC
100830-010	No	NORFOLK NAVAL SHIPYARD	EZELL, BARRY	0	19,928	0	0	19,928	6,377	26,305	32.00%	VMASC
100834-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	EZELL, BARRY	2,759	0	0	157,827	160,586	993	161,579	0.62%	VMASC
100841-020	No	JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, BARRY	183,722	0	0	0	183,722	18,372	202,094	10.00%	VMASC
100884-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	EZELL, BARRY	3,198	41,374	0	0	44,573	16,046	60,619	36.00%	VMASC
200324-030	No	HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, BARRY	5,039	17,601	0	39,795	62,435	5,900	68,336	9.45%	VMASC
200324-040	No	HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, BARRY	3,152	8,000	0	0	11,152	2,900	14,051	26.00%	VMASC
200343-010	20%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	338	0	0	(0)	338	186	523	55.03%	VMASC
200362-010	15%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	3,442	0	0	21,468	24,910	895	25,805	3.59%	VMASC
200362-011	60%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	19,576	3,246	0	0	22,822	5,934	28,755	26.00%	VMASC
200362-012	30%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	15,700	0	0	0	15,700	4,082	19,782	26.00%	VMASC
200365-010	50%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	59,749	168	0	0	59,917	15,578	75,496	26.00%	VMASC
300654-010	No	OLD DOMINION UNIVERSITY	EZELL, BARRY	38,651	0	0	(0)	38,651	0	38,651	0.00%	VMASC
300720-010	20%	STEVENS INSTITUTE OF TECHNOLOGY	EZELL, BARRY	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300863-010	20%	OLD DOMINION UNIVERSITY	EZELL, BARRY	10,667	9,902	0	0	20,568	0	20,568	0.00%	VMASC
300865-010	No	OLD DOMINION UNIVERSITY	EZELL, BARRY	50,787	3,859	0	0	54,646	0	54,646	0.00%	VMASC
500390-010	40%	ALEX – ALTERNATIVE EXPERTS, LLC	EZELL, BARRY	423	0	0	0	423	275	697	65.00%	VMASC
500462-001	No	CIRCADENCE	EZELL, BARRY	(794)	0	0	(0)	(794)	(516)	(1,310)	65.00%	VMASC
500462-003	No	CIRCADENCE	EZELL, BARRY	64,868	0	0	118,083	182,951	118,918	301,870	65.00%	VMASC
500462-004	No	CIRCADENCE	EZELL, BARRY	0	1,082	0	0	1,082	703	1,785	65.00%	VMASC
500462-005	No	CIRCADENCE	EZELL, BARRY	52,625	0	0	0	52,625	40,521	93,146	77.00%	VMASC
500462-006	No	CIRCADENCE	EZELL, BARRY	0	1,570	0	0	1,570	1,209	2,779	77.00%	VMASC
500470-010	No	VALKYRIE ENTERPRISES, INC.	EZELL, BARRY	5,845	3,609	0	0	9,453	5,199	14,653	55.00%	VMASC
300744-010	40%	OLD DOMINION UNIVERSITY	FLANAGAN, DAVID	13,293	86,735	0	0	100,028	0	100,028	0.00%	VMASC
300851-010	50%	OLD DOMINION UNIVERSITY	FLANAGAN, DAVID	12,050	8,496	0	0	20,547	0	20,547	0.00%	VMASC
300717-001	10%	OLD DOMINION UNIVERSITY	FOYTIK, PETER	434	1,443	0	0	1,876	0	1,876	0.00%	VMASC
300758-010	20%	OLD DOMINION UNIVERSITY	FOYTIK, PETER	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300792-010	30%	GEORGE MASON UNIVERSITY	FOYTIK, PETER	6,332	8,749	0	0	15,081	0	15,081	0.00%	VMASC
500434-001	50%	CIRCADENCE	FOYTIK, PETER	0	0	0	4,772	4,772	3,103	7,876	65.02%	VMASC
500467-010	40%	FRONTIER TECHNOLOGY INC.	FOYTIK, PETER	165,344	563	0	0	165,907	107,839	273,746	65.00%	VMASC
200362-010	17%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	FRYDENLUND, ERIKA	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	VMASC
200365-010	50%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	FRYDENLUND, ERIKA	59,749	168	0	0	59,917	15,578	75,496	26.00%	VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300543-010	25%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	54,127	22,548	0	2,626	79,302	42,171	121,473	53.18%	VMASC
300717-002	No	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	14,040	8,257	0	24,999	47,295	0	47,295	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	25%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	44,320	14,024	0	904	59,248	32,089	91,337	54.16%	VMASC
300801-010	50%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4,275	140	0	0	4,415	0	4,415	0.00%	VMASC
300848-010	33%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	FRYDENLUND, ERIKA	4,347	106	0	0	4,453	0	4,453	0.00%	VMASC
100958-010	20%	U.S. DEPARTMENT OF EDUCATION	GARCIA, HECTOR	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
300639-010	30%	OLD DOMINION UNIVERSITY	GARCIA, HECTOR	0	83	0	(0)	83	0	83	0.00%	VMASC
300658-010	33%	OLD DOMINION UNIVERSITY	GARCIA, HECTOR	0	0	0	637	637	0	637	0.00%	VMASC
400497-010	25%	VIRGINIA SHIP REPAIR ASSOCATION	GARCIA, HECTOR	177	0	0	0	177	54	231	30.40%	VMASC
400530-010	20%	REINVENT HAMPTON ROADS	GARCIA, HECTOR	0	7,001	43,192	0	50,193	0	50,193	0.00%	VMASC
100883-010	25%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	GILES, BRIDGET	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	20%	NATIONAL SCIENCE FOUNDATION	GILES, BRIDGET	16,260	48,327	0	0	64,587	16,793	81,380	26.00%	VMASC
300803-010	20%	OLD DOMINION UNIVERSITY	GILES, BRIDGET	1,460	0	0	0	1,460	0	1,460	0.00%	VMASC
100790-010	10%	NAVAL SEA SYSTEMS COMMAND	GORE, ROSS	5,282	0	0	526	5,808	3,433	9,241	59.11%	VMASC
100790-011	5%	NAVAL SEA SYSTEMS COMMAND	GORE, ROSS	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300640-010	20%	OLD DOMINION UNIVERSITY	GORE, ROSS	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	25%	OLD DOMINION UNIVERSITY	GORE, ROSS	4,295	108	0	0	4,403	0	4,403	0.00%	VMASC
300793-010	25%	OLD DOMINION UNIVERSITY	GORE, ROSS	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
400439-010	90%	JOHN TEMPLETON FOUNDATION	GORE, ROSS	46,196	0	0	386,084	432,280	6,929	439,209	1.60%	VMASC
500400-013	10%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	GORE, ROSS	4,721	0	0	0	4,721	642	5,363	13.60%	VMASC
500400-014	10%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	GORE, ROSS	6,169	0	0	0	6,169	839	7,008	13.60%	VMASC
500467-010	20%	FRONTIER TECHNOLOGY INC.	GORE, ROSS	82,672	281	0	0	82,953	53,920	136,873	65.00%	VMASC
500480-001	No	APPLIED RESEARCH ASSOCIATES, INC.	GORE, ROSS	6,313	0	0	0	6,313	3,788	10,101	60.00%	VMASC
100958-010	20%	U.S. DEPARTMENT OF EDUCATION	JOHNSON, JESSICA	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
200345-010	60%	NEWPORT NEWS PUBLIC SCHOOLS	JOHNSON, JESSICA	24,587	0	0	0	24,587	13,523	38,110	55.00%	VMASC
200381-010	60%	YORK COUNTY SCHOOLS	JOHNSON, JESSICA	10,784	0	0	0	10,784	5,931	16,715	55.00%	VMASC
300639-010	14%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	0	39	0	(0)	39	0	39	0.00%	VMASC
300671-010	25%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300720-010	20%	STEVENS INSTITUTE OF TECHNOLOGY	JOHNSON, JESSICA	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300725-010	75%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4,473	5,262	0	0	9,735	0	9,735	0.00%	VMASC
300747-010	30%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	48,118	6,254	0	9,450	63,822	4,350	68,171	6.82%	VMASC
300754-010	No	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	97,988	21,057	0	0	119,044	0	119,044	0.00%	VMASC
300887-010	60%	VIRGINIA PENINSULA COMMUNITY COLLEGE (FORMERLY THOMAS NELSON	JOHNSON, JESSICA	7,087	0	0	0	7,087	2,126	9,213	30.00%	VMASC
400497-010	75%	VIRGINIA SHIP REPAIR ASSOCATION	JOHNSON, JESSICA	532	0	0	0	532	162	694	30.40%	VMASC
400530-010	15%	REINVENT HAMPTON ROADS	JOHNSON, JESSICA	0	5,251	32,394	0	37,645	0	37,645	0.00%	VMASC
500435-030	30%	VALKYRIE ENTERPRISES, INC.	JOHNSON, JESSICA	17,642	0	0	0	17,642	11,467	29,110	65.00%	VMASC
500448-010	30%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	0	0	0	1,053	1,053	684	1,737	64.98%	VMASC
500448-020	30%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	5,085	0	0	0	5,085	3,305	8,390	65.00%	VMASC
500454-010	75%	EPIC GAMES, INC.	JOHNSON, JESSICA	14,047	0	0	0	14,047	4,270	18,318	30.40%	VMASC
500484-010	30%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	6,960	0	0	0	6,960	5,359	12,319	77.00%	VMASC
300675-010	20%	OLD DOMINION UNIVERSITY	JORDAN, CRAIG	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
500400-013	45%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, CRAIG	21,246	0	0	0	21,246	2,889	24,135	13.60%	VMASC
500400-014	45%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, CRAIG	27,759	0	0	0	27,759	3,775	31,535	13.60%	VMASC
300628-010	No	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	47,720	14,119	0	0	61,839	0	61,839	0.00%	VMASC
300671-010	25%	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300770-010	5%	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	2,796	82	0	0	2,878	0	2,878	0.00%	VMASC
100883-010	25%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	LAWSURE, KALEEN	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
200362-011	40%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	LAWSURE, KALEEN	13,051	2,164	0	0	15,214	3,956	19,170	26.00%	VMASC
200362-012	70%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	LAWSURE, KALEEN	36,634	0	0	0	36,634	9,525	46,158	26.00%	VMASC
100938-010	40%	ARMY CORPS OF ENGINEERS RESEARCH & DEVELOPMENT CENTER (ERDC)	LE, TAN	1,793	10,000	0	328	12,121	7,879	20,000	65.00%	VMASC
100949-010	30%	NATIONAL SCIENCE FOUNDATION	LE, TAN	1,912	0	0	0	1,912	1,052	2,964	55.00%	VMASC
300656-010	40%	OLD DOMINION UNIVERSITY	LE, TAN	12,613	3,520	0	0	16,133	0	16,133	0.00%	VMASC
300655-010	No	OLD DOMINION UNIVERSITY	LESLIE, KEVIN	124,807	80,989	20,533	0	226,330	0	226,330	0.00%	VMASC
100790-010	10%	NAVAL SEA SYSTEMS COMMAND	LYNCH, CHRISTOPHER	5,282	0	0	526	5,808	3,433	9,241	59.11%	VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100790-011	5%	NAVAL SEA SYSTEMS COMMAND	LYNCH, CHRISTOPHER	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300675-010	5%	OLD DOMINION UNIVERSITY	LYNCH, CHRISTOPHER	859	22	0	0	881	0	881	0.00%	VMASC
300720-010	20%	STEVENS INSTITUTE OF TECHNOLOGY	LYNCH, CHRISTOPHER	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300793-010	25%	OLD DOMINION UNIVERSITY	LYNCH, CHRISTOPHER	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
500400-013	45%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	LYNCH, CHRISTOPHER	21,246	0	0	0	21,246	2,889	24,135	13.60%	VMASC
500400-014	45%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	LYNCH, CHRISTOPHER	27,759	0	0	0	27,759	3,775	31,535	13.60%	VMASC
100956-010	20%	NASA GODDARD SPACEFLIGHT CENTER	NIELSEN, ALEX	5,971	2,643	0	0	8,614	4,737	13,351	55.00%	VMASC
300639-010	13%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	0	36	0	(0)	36	0	36	0.00%	VMASC
300640-010	20%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	20%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
300717-003	20%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	0	163	0	5,000	5,163	0	5,163	0.00%	VMASC
300744-010	40%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	13,293	86,735	0	0	100,028	0	100,028	0.00%	VMASC
300779-010	No	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	40,373	0	0	8,632	49,005	0	49,005	0.00%	VMASC
300789-010	No	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	13,917	276	0	0	14,193	0	14,193	0.00%	VMASC
300793-010	25%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
300794-010	50%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	0	1,086	0	0	1,086	0	1,086	0.00%	VMASC
300795-010	25%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	25,713	0	0	3,544	29,257	0	29,257	0.00%	VMASC
400456-010	No	CENTER FOR MIND AND CULTURE	NIELSEN, ALEX	20,175	65	0	0	20,240	3,036	23,276	15.00%	VMASC
300543-010	25%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	54,127	22,548	0	2,626	79,302	42,171	121,473	53.18%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	24%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	42,547	13,463	0	868	56,878	30,806	87,684	54.16%	VMASC
600249-010	No	NATO	PADILLA, JOSE	6,250	0	0	(0)	6,250	3,750	10,000	60.00%	VMASC
100601-010	25%	U.S. DEPARTMENT OF EDUCATION	PAPELIS, YIANNIS	9,484	5,800	0	0	15,284	3,974	19,257	26.00%	VMASC
100931-010	50%	NAVAL SURFACE WARFARE CENTER	PAPELIS, YIANNIS	0	0	0	44,885	44,885	27,983	72,868	62.35%	VMASC
300556-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	PAPELIS, YIANNIS	126,734	9,616	0	19,877	156,227	0	156,227	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300800-010	33%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	1,977	962	0	0	2,939	0	2,939	0.00%	VMASC
300829-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	78,308	2,486	0	0	80,794	0	80,794	0.00%	VMASC
300851-010	50%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	12,050	8,496	0	0	20,547	0	20,547	0.00%	VMASC
300859-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	7,001	25,377	22,961	0	55,338	0	55,338	0.00%	VMASC
300871-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	3,172	20	0	0	3,191	0	3,191	0.00%	VMASC
300890-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	5,668	0	0	0	5,668	0	5,668	0.00%	VMASC
400548-010	75%	ADVANCED TECHNOLOGY INTERNATIONAL	PAPELIS, YIANNIS	193,743	15,853	0	0	209,596	125,757	335,353	60.00%	VMASC
500396-002	75%	ManTech	PAPELIS, YIANNIS	(1,181)	0	0	0	(1,181)	(768)	(1,949)	65.00%	VMASC
500488-010	50%	PIXELAR, LLC	PAPELIS, YIANNIS	478	0	0	0	478	287	765	60.00%	VMASC
300758-010	15%	OLD DOMINION UNIVERSITY	RANA, MD MASUD	9,926	309	0	0	10,234	0	10,234	0.00%	VMASC
300545-010	80%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	11,472	8,149	0	52,537	72,158	0	72,158	0.00%	VMASC
300639-010	13%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	0	36	0	(0)	36	0	36	0.00%	VMASC
300640-010	20%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300668-007	No	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	6,762	0	0	0	6,762	0	6,762	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
400439-010	10%	JOHN TEMPLETON FOUNDATION	RECHOWICZ, KRZYSZTOF	5,133	0	0	42,898	48,031	770	48,801	1.60%	VMASC
200391-010	No	HAMPTON PUBLIC SCHOOLS	RENNE, JENNIFER	1,152	0	0	0	1,152	349	1,502	30.30%	VMASC
300755-010	No	OLD DOMINION UNIVERSITY	RENNE, JENNIFER	33,365	39,192	0	0	72,557	0	72,557	0.00%	VMASC
300887-010	40%	VIRGINIA PENINSULA COMMUNITY COLLEGE (FORMERLY THOMAS NELSON	RENNE, JENNIFER	4,724	0	0	0	4,724	1,417	6,142	30.00%	VMASC
100956-010	20%	NASA GODDARD SPACEFLIGHT CENTER	RICHTER, HEATHER	24,091	7,680	0	13,012	44,783	17,474	62,257	39.02%	VMASC
300701-010	No	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	128,219	0	0	0	128,219	0	128,219	0.00%	VMASC
300717-003	80%	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	0	650	0	20,000	20,650	0	20,650	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
400519-010	75%	SENTARA HEALTHCARE	RICHTER, HEATHER	28,535	18,750	0	58,718	106,003	0	106,003	0.00%	VMASC
400519-010	No	SENTARA HEALTHCARE	RICHTER, HEATHER	16,961	2,990	0	0	19,951	0	19,951	0.00%	VMASC
100958-010	40%	U.S. DEPARTMENT OF EDUCATION	ROBINSON, ROBERT	72,657	30,086	3,396	151,372	257,511	31,234	288,745	12.13%	VMASC
100970-010	No	NORFOLK NAVAL SHIPYARD	ROBINSON, ROBERT	0	2,870	0	0	2,870	918	3,788	32.00%	VMASC
200293-010	No	CITY OF SUFFOLK	ROBINSON, ROBERT	0	0	4,980	13,326	18,306	0	18,306	0.00%	VMASC
200343-010	60%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	ROBINSON, ROBERT	1,013	0	0	(0)	1,013	557	1,570	55.03%	VMASC

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
200350-010	No	VIRGINIA DEPARTMENT OF VETERANS SERVICES	ROBINSON, ROBERT	15,696	0	0	0	15,696	1,700	17,396	10.83%	VMASC
200360-010	No	VIRGINIA DEPARTMENT OF VETERANS SERVICES	ROBINSON, ROBERT	259,041	2,398	0	27,416	288,854	79,477	368,331	27.51%	VMASC
300592-010	20%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300758-010	20%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300767-010	No	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	60,519	1,970	0	0	62,489	0	62,489	0.00%	VMASC
300849-010	No	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	19,632	0	0	0	19,632	0	19,632	0.00%	VMASC
300863-010	80%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	42,667	39,606	0	0	82,273	0	82,273	0.00%	VMASC
400482-010	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	66,563	114	0	0	66,677	20,270	86,947	30.40%	VMASC
400482-020	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	6,096	978	0	0	7,074	2,150	9,224	30.40%	VMASC
400482-040	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	0	34,300	0	0	34,300	10,427	44,727	30.40%	VMASC
400530-010	50%	REINVENT HAMPTON ROADS	ROBINSON, ROBERT	0	17,502	107,980	0	125,482	0	125,482	0.00%	VMASC
500460-010	20%	TIM HOILES	ROBINSON, ROBERT	0	0	0	19	19	11	30	55.35%	VMASC
500486-010	20%	DELOITTE CONSULTING, LLP	ROY, SANDIP	128	0	0	0	128	77	204	60.00%	VMASC
100938-010	60%	ARMY CORPS OF ENGINEERS RESEARCH & DEVELOPMENT CENTER (ERDC)	SHETTY, SACHIN	2,690	15,000	0	492	18,182	11,818	30,000	65.00%	VMASC
100949-010	40%	NATIONAL SCIENCE FOUNDATION	SHETTY, SACHIN	2,550	0	0	0	2,550	1,402	3,952	55.00%	VMASC
300792-010	40%	GEORGE MASON UNIVERSITY	SHETTY, SACHIN	8,442	11,665	0	0	20,107	0	20,107	0.00%	VMASC
500486-010	60%	DELOITTE CONSULTING, LLP	SHETTY, SACHIN	382	0	0	0	382	229	612	60.00%	VMASC
300640-010	20%	OLD DOMINION UNIVERSITY	SHULL, JOHN	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	20%	OLD DOMINION UNIVERSITY	SHULL, JOHN	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
300707-010	No	OLD DOMINION UNIVERSITY	SHULL, JOHN	(3,492)	5,186	0	0	1,694	0	1,694	0.00%	VMASC
300717-001	40%	OLD DOMINION UNIVERSITY	SHULL, JOHN	1,734	5,770	0	0	7,505	0	7,505	0.00%	VMASC
300792-010	30%	GEORGE MASON UNIVERSITY	SHULL, JOHN	6,332	8,749	0	0	15,081	0	15,081	0.00%	VMASC
400455-010	No	CENTER FOR MIND AND CULTURE	SHULL, JOHN	31,737	7,837	0	0	39,575	5,936	45,511	15.00%	VMASC
100790-011	10%	NAVAL SEA SYSTEMS COMMAND	SMITH, KATHERINE	23,885	0	0	443	24,328	15,525	39,853	63.82%	VMASC
200345-010	40%	NEWPORT NEWS PUBLIC SCHOOLS	SMITH, KATHERINE	16,391	0	0	0	16,391	9,015	25,407	55.00%	VMASC
300640-010	20%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300658-010	33%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	0	0	0	637	637	0	637	0.00%	VMASC
300671-010	25%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300691-010	33%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	9,312	0	0	228	9,540	0	9,540	0.00%	VMASC
300725-010	25%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	1,491	1,754	0	0	3,245	0	3,245	0.00%	VMASC
300747-010	7%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300770-010	47%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	26,281	772	0	0	27,054	0	27,054	0.00%	VMASC
500435-030	50%	VALKYRIE ENTERPRISES, INC.	SMITH, KATHERINE	29,404	0	0	0	29,404	19,112	48,516	65.00%	VMASC
500448-010	70%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	0	0	0	2,456	2,456	1,596	4,052	64.98%	VMASC
500448-020	70%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	11,864	0	0	0	11,864	7,712	19,576	65.00%	VMASC
500454-010	25%	EPIC GAMES, INC.	SMITH, KATHERINE	4,682	0	0	0	4,682	1,423	6,106	30.40%	VMASC
500484-010	70%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	16,239	0	0	0	16,239	12,504	28,743	77.00%	VMASC
100634-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, ERIC	0	0	0	151	151	54	205	36.00%	VMASC
300592-010	20%	OLD DOMINION UNIVERSITY	WEISEL, ERIC	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300796-010	No	OLD DOMINION UNIVERSITY	WEISEL, ERIC	30,370	4,008	36,833	0	71,211	0	71,211	0.00%	VMASC
300809-010	No	OLD DOMINION UNIVERSITY	WEISEL, ERIC	21,350	0	0	0	21,350	0	21,350	0.00%	VMASC
400193-000	No	#N/A	WEISEL, ERIC	0	24,689	0	0	24,689	0	24,689	0.00%	VMASC
	TOTAL VIRGINIA MODELING AND SIMULATION CENTER (VMASC)			**4,682,751**	**1,351,358**	**309,757**	**1,622,336**	**7,966,201**	**1,588,856**	**9,555,057**	**19.94%**	
SCHOOL OF NURSING												
100857-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARTAGENA, DIANA	985	26	0	0	1,011	81	1,092	8.00%	TRAD
100857-030	7%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARTAGENA, DIANA	30,020	967	0	0	30,987	2,479	33,466	8.00%	TRAD
100941-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	CARTAGENA, DIANA	6,927	2,113	17,977	5,075	32,093	723	32,816	2.25%	TRAD
100689-040	7%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	GUSTIN, TINA	498	0	0	2,800	3,298	40	3,338	1.21%	TRAD
100857-020	30%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	GUSTIN, TINA	5,911	158	0	0	6,068	485	6,554	8.00%	TRAD
100857-030	30%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	GUSTIN, TINA	128,658	4,142	0	0	132,800	10,624	143,424	8.00%	TRAD
100941-010	20%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	GUSTIN, TINA	27,709	8,454	71,908	20,300	128,371	2,893	131,264	2.25%	TRAD
300544-040	No	OLD DOMINION UNIVERSITY	GUSTIN, TINA	0	28,335	0	0	28,335	9,067	37,402	32.00%	TRAD
100669-060	No	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HARTGERINK, ADRIENNE	0	0	0	16,274	16,274	0	16,274	0.00%	TRAD
100811-030	20%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HAWKINS, JANICE	7,691	7,563	0	4,898	20,151	1,220	21,371	6.06%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100941-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HAWKINS, JANICE	13,854	4,227	35,954	10,150	64,185	1,447	65,632	2.25%	TRAD
100811-030	15%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HIGGINS, KAREN	5,768	5,672	0	3,673	15,113	915	16,029	6.06%	TRAD
100857-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HIGGINS, KAREN	985	26	0	0	1,011	81	1,092	8.00%	TRAD
100857-030	7%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HIGGINS, KAREN	30,020	967	0	0	30,987	2,479	33,466	8.00%	TRAD
100941-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HIGGINS, KAREN	13,854	4,227	35,954	10,150	64,185	1,447	65,632	2.25%	TRAD
100857-030	6%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	HORVATH, EMILY	25,732	828	0	0	26,560	2,125	28,685	8.00%	TRAD
300585-010	25%	EASTERN VIRGINIA MEDICAL SCHOOL	NESBITT, CHRISTIANNE	10,650	0	0	0	10,650	2,769	13,420	26.00%	TRAD
100857-020	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	PARROTT, JESSICA	985	26	0	0	1,011	81	1,092	8.00%	TRAD
100941-010	10%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	PARROTT, JESSICA	13,854	4,227	35,954	10,150	64,185	1,447	65,632	2.25%	TRAD
100941-010	5%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	ROBERTSON-JONES, TINNIKKA	6,927	2,113	17,977	5,075	32,093	723	32,816	2.25%	TRAD
100819-010	3%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	RUTLEDGE, CAROLYN	718	0	0	1,800	2,518	57	2,575	2.28%	TRAD
100857-020	50%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	RUTLEDGE, CAROLYN	9,851	263	0	0	10,113	809	10,923	8.00%	TRAD
100857-030	50%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	RUTLEDGE, CAROLYN	214,430	6,904	0	0	221,334	17,707	239,041	8.00%	TRAD
100941-010	25%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	RUTLEDGE, CAROLYN	34,636	10,567	89,885	25,375	160,464	3,616	164,080	2.25%	TRAD
100811-030	20%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	TREMBLAY, BETH	7,691	7,563	0	4,898	20,151	1,220	21,371	6.06%	TRAD
100811-030	45%	U.S. PUBLIC HEALTH SERVICE (HEALTH RESOURCES AND SERVICES AD	WILES, LYNN	17,304	17,017	0	11,020	45,340	2,746	48,086	6.06%	TRAD
400492-010	No	AANA FOUNDATION	WRIGHT, SUZANNE	0	20,204	0	1,819	22,023	0	22,023	0.00%	TRAD
		TOTAL SCHOOL OF NURSING		**615,660**	**136,589**	**305,610**	**133,456**	**1,191,315**	**67,281**	**1,258,596**	**5.65%**	
CENTER FOR CYBERSECURITY (CYBER)												
300814-010	33%	GEORGE MASON UNIVERSITY	ISLAM, KAZI	4,502	306	0	0	4,808	0	4,808	0.00%	CYBER
100838-010	40%	NATIONAL SCIENCE FOUNDATION	JIANG, PENG	4,938	4,005	0	45,590	54,534	4,919	59,453	9.02%	CYBER
300856-010	20%	OLD DOMINION UNIVERSITY	JIANG, PENG	1,513	336	0	0	1,849	0	1,849	0.00%	CYBER
100930-010	No	NATIONAL SCIENCE FOUNDATION	NING, RUI	4,456	367	0	801	5,625	2,653	8,278	47.17%	CYBER
300736-010	50%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	NING, RUI	20,182	4,818	0	0	25,000	0	25,000	0.00%	CYBER
300737-010	34%	OLD DOMINION UNIVERSITY	NING, RUI	18,993	12,609	0	3,056	34,658	0	34,658	0.00%	CYBER
300738-010	34%	OLD DOMINION UNIVERSITY	NING, RUI	6,540	3,074	0	0	9,614	0	9,614	0.00%	CYBER
300760-010	50%	OLD DOMINION UNIVERSITY	NING, RUI	9,036	2,994	0	1,163	13,192	0	13,192	0.00%	CYBER
300814-010	33%	GEORGE MASON UNIVERSITY	NING, RUI	4,502	306	0	0	4,808	0	4,808	0.00%	CYBER
300687-010	50%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	409	50	0	0	459	0	459	0.00%	CYBER
300860-010	20%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	5,043	560	0	0	5,603	0	5,603	0.00%	CYBER
300869-010	10%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	119	87	0	0	206	0	206	0.00%	CYBER
100723-010	33%	NATIONAL SCIENCE FOUNDATION	PURWANTO, WIRAWAN	19,760	971	0	1,420	22,151	11,402	33,553	51.47%	CYBER
100909-010	50%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	0	0	29,890	0	29,890	0	29,890	0.00%	CYBER
300697-010	25%	OLD DOMINION UNIVERSITY	WU, HONGYI	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300698-010	20%	OLD DOMINION UNIVERSITY	WU, HONGYI	9,405	799	0	3,869	14,073	5,612	19,685	39.88%	CYBER
300705-010	50%	OLD DOMINION UNIVERSITY	WU, HONGYI	17,716	4,218	24,978	0	46,911	0	46,911	0.00%	CYBER
300715-010	50%	OLD DOMINION UNIVERSITY	WU, HONGYI	5,306	3,914	2,811	0	12,031	0	12,031	0.00%	CYBER
300736-010	50%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	WU, HONGYI	20,182	4,818	0	0	25,000	0	25,000	0.00%	CYBER
300738-010	33%	OLD DOMINION UNIVERSITY	WU, HONGYI	6,348	2,983	0	0	9,331	0	9,331	0.00%	CYBER
300776-010	50%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	WU, HONGYI	446	0	0	7,000	7,446	245	7,691	3.29%	CYBER
400491-001	5%	REINVENT HAMPTON ROADS	WU, HONGYI	568	2	0	16,751	17,320	0	17,320	0.00%	CYBER
400491-002	5%	REINVENT HAMPTON ROADS	WU, HONGYI	568	3	0	9,172	9,742	0	9,742	0.00%	CYBER
100909-010	50%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	0	0	29,890	0	29,890	0	29,890	0.00%	CYBER
300798-010	70%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	0	0	0	10,074	10,074	0	10,074	0.00%	CYBER
400491-001	95%	REINVENT HAMPTON ROADS	XIN, CHUNSHENG	10,794	34	0	318,260	329,088	0	329,088	0.00%	CYBER
400491-002	95%	REINVENT HAMPTON ROADS	XIN, CHUNSHENG	10,794	49	0	174,260	185,103	0	185,103	0.00%	CYBER
				188,673	**48,068**	**87,568**	**595,727**	**920,035**	**28,856**	**948,891**	**3.14%**	
INSTITUTE FOR INNOVATION & ENTREPRENEURSHIP												
200363-010	25%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	GRDEN, NANCY	13,995	134	0	0	14,130	0	14,130	0.00%	TRAD
400506-010	No	AMERICAN COUNCIL OF INTERNATIONAL EDUCATION	GRDEN, NANCY	0	18,327	0	0	18,327	4,765	23,092	26.00%	TRAD
100694-040	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	7,208	(119)	0	(0)	7,088	1,843	8,931	26.00%	TRAD
100694-050	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	27,111	11,330	0	0	38,441	9,995	48,436	26.00%	TRAD
100694-060	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	88,407	13,541	0	0	101,948	26,506	128,455	26.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100713-040	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	0	(2,525)	0	0	(2,525)	(656)	(3,181)	26.00%	TRAD
100713-050	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	209,210	46,718	0	0	255,928	66,541	322,470	26.00%	TRAD
100818-010	No	ECONOMIC DEVELOPMENT ADMINISTRATION	NUNNERY, JOHN	110,765	946	0	0	111,712	29,045	140,757	26.00%	TRAD
100852-010	No	SMALL BUSINESS ADMINISTRATION	NUNNERY, JOHN	1,552	0	0	0	1,552	404	1,956	26.00%	TRAD
200332-010	40%	VA DEPARTMENT OF ECONOMIC DEVELOPMENT	NUNNERY, JOHN	44,004	9,244	0	0	53,249	5,857	59,106	11.00%	TRAD
300624-010	90%	HAMPTON UNIVERSITY	NUNNERY, JOHN	319,821	19,856	0	(49,000)	290,677	88,316	378,993	30.38%	TRAD
400465-011	No	EWING MARION KAUFFMAN FOUNDATION	NUNNERY, JOHN	0	0	0	30,000	30,000	0	30,000	0.00%	TRAD
400465-012	No	EWING MARION KAUFFMAN FOUNDATION	NUNNERY, JOHN	0	8,884	0	0	8,884	0	8,884	0.00%	TRAD
400465-013	No	EWING MARION KAUFFMAN FOUNDATION	NUNNERY, JOHN	0	21,875	0	0	21,875	0	21,875	0.00%	TRAD
600234-010	No	NATO	NUNNERY, JOHN	0	0	0	11,654	11,654	3,168	14,822	27.18%	TRAD
600240-010	No	NATO	NUNNERY, JOHN	1,019	1,625	0	0	2,644	1,454	4,099	55.00%	TRAD
100966-010	No	NATIONAL RENEWABLE ENERGY LABORATORY	OLSEN, PAUL	13,783	0	0	0	13,783	3,584	17,367	26.00%	TRAD
100974-010	No	SMALL BUSINESS ADMINISTRATION	OLSEN, PAUL	42,393	3,752	0	0	46,146	11,998	58,144	26.00%	TRAD
400544-010	No	LOCAL INITIATIVES SUPPORT	OLSEN, PAUL	33,088	16,501	0	0	49,589	12,893	62,482	26.00%	TRAD
400549-010	No	URBAN STRATEGIES, INC.	OLSEN, PAUL	1,950	334	0	0	2,284	594	2,878	26.00%	TRAD
		TOTAL INSTITUTE FOR INNOVATION & ENTREPRENEURSHIP		**914,308**	**170,426**	**0**	**(7,347)**	**1,077,387**	**266,307**	**1,343,694**	**24.72%**	
GRADUATE SCHOOL												
200357-010	45%	VA DEPARTMENT OF MOTOR VEHICLES	PORTER, BRYAN	18,609	5,792	0	3,262	27,663	6,344	34,007	22.93%	TRAD
200358-010	34%	VA DEPARTMENT OF MOTOR VEHICLES	PORTER, BRYAN	10,041	4,351	0	0	14,392	3,742	18,134	26.00%	TRAD
200374-010	50%	VA DEPARTMENT OF MOTOR VEHICLES	PORTER, BRYAN	24,560	5,849	0	2,958	33,366	7,906	41,273	23.70%	TRAD
200375-010	34%	VA DEPARTMENT OF MOTOR VEHICLES	PORTER, BRYAN	11,817	5,563	0	0	17,380	4,519	21,898	26.00%	TRAD
400532-010	50%	MOTHERS AGAINST DRUNK DRIVERS	PORTER, BRYAN	4,703	1,427	0	120	6,250	3,750	10,000	60.00%	TRAD
400512-010	No	COUNCIL OF GRADUATE SCHOOLS	WOJTOWICZ, ROBRT	0	3,800	0	0	3,800	2,090	5,890	55.00%	TRAD
		TOTAL GRADUATE SCHOOL		**69,730**	**26,782**	**0**	**6,339**	**102,851**	**28,351**	**131,203**	**27.57%**	
STUDENT SERVICES												
200363-010	25%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	STANSBERRY, DONALD	13,995	134	0	0	14,130	0	14,130	0.00%	TRAD
300614-010	No	OLD DOMINION UNIVERSITY	STUDIVANT, PASSION	1,929	(1,002)	0	0	927	74	1,001	8.00%	TRAD
300614-020	No	OLD DOMINION UNIVERSITY	STUDIVANT, PASSION	79,659	1,002	0	0	80,661	6,453	87,114	8.00%	TRAD
300614-030	No	OLD DOMINION UNIVERSITY	STUDIVANT, PASSION	219,934	7,633	0	29,031	256,598	18,205	274,804	7.09%	TRAD
300819-010	No	UNIVERSITY OF SOUTH CAROLINA	STUDIVANT, PASSION	0	1,000	0	0	1,000	0	1,000	0.00%	TRAD
300827-010	No	OLD DOMINION UNIVERSITY	STUDIVANT, PASSION	66,121	25,238	0	48,610	139,970	7,309	147,278	5.22%	TRAD
		TOTAL STUDENT SERVICES		**381,639**	**34,006**	**0**	**77,641**	**493,286**	**32,041**	**525,327**	**6.50%**	
UNIVERSITY LIBRARIES												
400469-010	50%	AMERICAN LIBRARY ASSOCATION	FRAZER, STUART	0	0	0	11	11	0	11	0.00%	TRAD
100950-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	HILLERY, LEANNE	2,655	1,467	0	10,405	14,526	1,249	15,775	8.60%	TRAD
100950-010	50%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	HILLERY, LEANNE	6,637	3,668	0	26,011	36,316	3,122	39,438	8.60%	TRAD
400469-010	50%	AMERICAN LIBRARY ASSOCATION	MCINNIS, JOLEEN	0	0	0	11	11	0	11	0.00%	TRAD
100906-010	20%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	RITCHIE, JESSICA	5,497	0	0	0	5,497	1,759	7,256	32.00%	TRAD
		TOTAL UNIVERSITY LIBRARIES		**14,789**	**5,135**	**0**	**36,437**	**56,360**	**6,130**	**62,490**	**10.88%**	
INTERNATIONAL PROGRAMS												
200381-010	40.00%	YORK COUNTY SCHOOLS	KUMM, ANN	7,189	0	0	0	7,189	3,954	11,144	55.00%	TRAD
		TOTAL INTERNATIONAL PROGRAMS		**7,189**	**0**	**0**	**0**	**7,189**	**3,954**	**11,144**	**55.00%**	
MISCELLANEOUS ODU UNITS												
500469-010	10%	INSTITUTE FOR ADVANCED LEARNING & RESEARCH	AGHO, AUGUSTINE	20,048	3,603	57,999	0	81,650	6,149	87,800	7.53%	TRAD
300434-010	No	OLD DOMINION UNIVERSITY	COOPER, ROBERT	56,235	18,856	0	11,802	86,893	6,007	92,900	6.91%	TRAD
300812-010	No	OLD DOMINION UNIVERSITY	COOPER, ROBERT	155,751	13,465	0	15,405	184,621	13,537	198,158	7.33%	TRAD
300629-020	No	OLD DOMINION UNIVERSITY	DEAVER, GREGORY	(3,162)	4,826	0	0	1,664	0	1,664	0.00%	TRAD
300809-010	No	OLD DOMINION UNIVERSITY	FOSTER, MORRIS	50,254	0	0	0	50,254	0	50,254	0.00%	TRAD
200370-010	No	VIRGINIA DEPARTMENT OF CRIMINAL JUSTICE	JOE, MIA	41,928	12,630	0	0	54,558	14,185	68,743	26.00%	TRAD
300807-010	No	OLD DOMINION UNIVERSITY	JOE, MIA	54,224	8,004	0	0	62,227	0	62,227	0.00%	TRAD

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
200363-010	75%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	KIRKLAND, SARAH JANE	38,969	4,796	0	0	43,764	0	43,764	0.00%	TRAD
100956-010	10%	NASA GODDARD SPACEFLIGHT CENTER	MCLEOD, GEORGE	12,045	3,840	0	6,506	22,391	8,737	31,128	39.02%	TRAD
200362-010	17%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	MCLEOD, GEORGE	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	TRAD
300717-005	40%	OLD DOMINION UNIVERSITY	MCLEOD, GEORGE	0	373	0	4,063	4,435	0	4,435	0.00%	TRAD
500488-010	50%	PIXELAR, LLC	MCLEOD, GEORGE	478	0	0	0	478	287	765	60.00%	TRAD
200363-010	25%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	PAYNE, BRIAN	13,995	134	0	0	14,130	0	14,130	0.00%	TRAD
300875-010	No	OLD DOMINION UNIVERSITY	SHELTON, ROBERT GARRETT	1,402	0	0	0	1,402	0	1,402	0.00%	TRAD
200362-010	17%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	WHITEHEAD, JESSICA	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	TRAD
300674-010	30%	OLD DOMINION UNIVERSITY	WHITEHEAD, JESSICA	18,939	16,235	0	0	35,174	19,346	54,520	55.00%	TRAD
300778-010	50%	VA INSTITUTE OF MARINE SCIENCE	WHITEHEAD, JESSICA	20,469	1,907	0	0	22,376	0	22,376	0.00%	TRAD
300840-010	30%	COLLEGE OF WILLIAM AND MARY	WHITEHEAD, JESSICA	1,904	0	0	0	1,904	495	2,400	26.00%	TRAD
		TOTAL MISCELLANEOUS ODU UNITS		**491,281**	**88,670**	**57,999**	**86,437**	**724,386**	**70,772**	**795,158**	**9.77%**	
MISCELLANEOUS ODU UNITS - CENTER FOR CYBERSECURITY (CYBER)												
100892-010	10.00%	NATIONAL SCIENCE FOUNDATION	DIAZ, RAFAEL	5,994	3,218	0	51,401	60,613	5,067	65,680	8.36%	CYBER
100709-010	20.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	13,266	6,493	0	14,312	34,071	10,867	44,938	31.90%	CYBER
100814-010	65.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	12,852	4,755	0	11,389	28,995	9,683	38,679	33.40%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	0	0	0	40	40	0	40	0.00%	CYBER
100892-010	80.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	47,951	25,744	0	411,209	484,904	40,532	525,436	8.36%	CYBER
		TOTAL MISCELLANEOUS ODU UNITS - CENTER FOR CYBERSECURITY (CYBER)		**80,062**	**40,210**	**0**	**488,351**	**608,623**	**66,149**	**674,772**	**10.87%**	
VIRGINIA SPACE GRANT CONSORTIUM (VSGC)												
100607-010	No	NATIONAL SCIENCE FOUNDATION	CARTER, CHRISTOPHER	1,917	44,906	0	41,227	88,050	12,174	100,224	13.83%	VSGC
100872-010	No	NATIONAL SCIENCE FOUNDATION	CARTER, CHRISTOPHER	27,741	37,583	0	79,064	144,387	16,984	161,371	11.76%	VSGC
200384-010	No	VA DEPARTMENT FOR AGING AND REHABILITATIVE SERVICES	CARTER, CHRISTOPHER	360	0	0	10,754	11,114	94	11,207	0.84%	VSGC
300040-020	No	OLD DOMINION UNIVERSITY	CARTER, CHRISTOPHER	19,146	38	0	81,799	100,983	0	100,983	0.00%	VSGC
300751-010	No	BOARD OF TRUSTEES OF THE MINNESOTA STATE COLLEGES AND UNIVER	CARTER, CHRISTOPHER	0	0	0	7,089	7,089	0	7,089	0.00%	VSGC
300804-010	No	VIRGINIA PENINSULA COMMUNITY COLLEGE (FORMERLY THOMAS NELSON	CARTER, CHRISTOPHER	2,788	0	0	0	2,788	725	3,513	26.00%	VSGC
100846-010	No	LANGLEY RESEARCH CENTER	SANDY, MARY	337,002	43,543	0	381,109	761,653	98,942	860,595	12.99%	VSGC
100855-010	No	LANGLEY RESEARCH CENTER	SANDY, MARY	31,234	42,277	0	0	73,510	19,113	92,623	26.00%	VSGC
100926-010	No	FEDERAL AVIATION ADMINISTRATION	SANDY, MARY	30,648	53,627	0	214,739	299,015	21,912	320,927	7.33%	VSGC
100964-010	No	NASA/HEADQUARTERS	SANDY, MARY	13,386	1,188	0	294,921	309,495	3,789	313,284	1.22%	VSGC
200005-010	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, MARY	230,339	70,704	0	158,356	459,400	0	459,400	0.00%	VSGC
200005-011	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, MARY	77,886	62,922	0	97,192	238,000	0	238,000	0.00%	VSGC
200009-010	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, MARY	0	0	0	182,032	182,032	0	182,032	0.00%	VSGC
200009-020	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, MARY	29,971	3,630	0	48,036	81,637	0	81,637	0.00%	VSGC
200278-010	No	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, MARY	26,854	90,691	0	1,885	119,430	0	119,430	0.00%	VSGC
300030-010	No	UNIVERSITY OF VIRGINIA	SANDY, MARY	65,206	50,563	0	75,649	191,418	0	191,418	0.00%	VSGC
300040-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SANDY, MARY	257,214	22,054	0	16,572	295,840	0	295,840	0.00%	VSGC
300125-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	149,307	112,312	0	105,698	367,316	0	367,316	0.00%	VSGC
300419-010	No	VIRGINIA COMMUNITY COLLEGE SYSTEM	SANDY, MARY	0	1,689	0	85,700	87,389	0	87,389	0.00%	VSGC
300598-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	0	0	0	8,509	8,509	0	8,509	0.00%	VSGC
300604-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SANDY, MARY	0	4,108	0	15,465	19,572	0	19,572	0.00%	VSGC
300700-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	904	0	0	0	904	0	904	0.00%	VSGC
300748-010	No	WEST VIRGINIA SPACE GRANT CONSORTIUM	SANDY, MARY	0	5,000	0	0	5,000	0	5,000	0.00%	VSGC
300769-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	546	0	0	2,200	2,746	0	2,746	0.00%	VSGC
300787-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	9,670	6,200	0	28,648	44,517	0	44,517	0.00%	VSGC
300815-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	4,607	0	0	0	4,607	0	4,607	0.00%	VSGC
300816-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	0	3,900	0	90,000	93,900	0	93,900	0.00%	VSGC
300817-010	No	OLD DOMINION UNIVERSITY	SANDY, MARY	0	0	0	67,000	67,000	0	67,000	0.00%	VSGC
400204-010	No	THE NATIONAL ACADEMIES	SANDY, MARY	213,223	39,336	0	190,372	442,931	65,665	508,596	14.83%	VSGC
500489-010	No	LUMINARY LABS LLC	SANDY, MARY	0	36	0	6,590	6,626	9	6,635	0.14%	VSGC
		TOTAL VIRGINIA SPACE GRANT CONSORTIUM (VSGC)		**1,529,948**	**696,307**	**0**	**2,290,603**	**4,516,858**	**239,406**	**4,756,264**	**5.30%**	
TOTAL OFFICE OF RESEARCH AND OTHER ODU UNITS				**9,902,701**	**2,835,397**	**796,267**	**5,820,445**	**19,354,810**	**2,844,760**	**22,199,570**	**14.70%**	

SCHEDULE 4

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SPONSORED PROGRAM ACTIVITY BY INDIVIDUAL PROJECT

(MEASURED BY EXPENDITURES INCURRED)

FOR FISCAL YEAR 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
GRAND TOTAL				27,801,674	7,913,174	2,203,236	12,687,213	50,605,297	9,634,556	60,239,853	19.04%	

SCHEDULE 5

Enterprise Centers Including Projects Reported as

Activity of an Academic Department

Fiscal Year 2023

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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
APPLIED RESEARCH CENTER (ARC)													
100917-010	50%	U.S. DEPARTMENT OF ENERGY	BAUMGART, HELMUT	4054	31,782	9,835	0	2,914	44,530	10,820	55,350	24.30%	ARC
400346-026	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, HELMUT	4054	(1,990)	0	0	0	(1,990)	0	(1,990)	0.00%	ARC
400346-043	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	BAUMGART, HELMUT	4054	16,850	0	0	0	16,850	0	16,850	0.00%	ARC
100917-010	50.00%	U.S. DEPARTMENT OF ENERGY	ELMUSTAFA, ABDELMAGEED	4057	16,471.51	7,988.81	0.00	762.00	25,222	6,359.68	31,582	25.21%	ARC
300591-010	No	VIRGINIA STATE UNIVERSITY	ELMUSTAFA, ABDELMAGEED	4057	15,461.48	7,954.47	0.00	0.00	23,416	6,088.14	29,504	26.00%	ARC
400346-057	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELMUSTAFA, ABDELMAGEED	4057	4,215.16	0.00	0.00	0.00	4,215	0.00	4,215	0.00%	ARC
400346-066	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELMUSTAFA, ABDELMAGEED	4057	2,854.48	0.00	0.00	0.00	2,854	0.00	2,854	0.00%	ARC
100567-020	No	LANGLEY RESEARCH CENTER	ELSAYED-ALI, HANI	4054	2,873	0	0	0	2,873	747	3,620	26.00%	ARC
100902-010	No	FERMI NATIONAL ACCELERATOR LABORATORY	ELSAYED-ALI, HANI	4054	36,270	4,717	0	2,622	43,609	10,657	54,266	24.44%	ARC
100918-010	No	U.S. DEPARTMENT OF ENERGY	ELSAYED-ALI, HANI	4054	35,980	7,471	0	0	43,452	23,898	67,350	55.00%	ARC
100922-010	No	FERMI NATIONAL ACCELERATOR LABORATORY	ELSAYED-ALI, HANI	4054	7,317	0	0	0	7,317	4,024	11,342	55.00%	ARC
100955-010	85%	NATIONAL SCIENCE FOUNDATION	ELSAYED-ALI, HANI	4065	4,269	1,696	0	0	5,965	3,281	9,245	55.00%	ARC
300608-010	No	ELIZABETH CITY STATE UNIVERSITY	ELSAYED-ALI, HANI	4054	17,381	0	0	0	17,381	9,560	26,941	55.00%	ARC
300797-010	No	OLD DOMINION UNIVERSITY	ELSAYED-ALI, HANI	4065	13,081	1,690	0	0	14,771	0	14,771	0.00%	ARC
300841-010	46%	VIRGINIA COMMONWEALTH UNIVERSITY	ELSAYED-ALI, HANI	4065	0	853	0	8,284	9,137	0	9,137	0.00%	ARC
400346-011	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	4054	0	0	0	1,416	1,416	0	1,416	0.00%	ARC
400346-048	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	4054	18,154	0	0	0	18,154	0	18,154	0.00%	ARC
400527-004	No	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	ELSAYED-ALI, HANI	4054	11,768	0	0	0	11,768	0	11,768	0.00%	ARC
400555-010	No	VIRGINIA MICROELECTRONICS CONSORTIUM (VMEC)	ELSAYED-ALI, HANI	4054	0	1,279	0	0	1,279	0	1,279	0.00%	ARC
500361-010	No	BLACK LABORATORIES, LLC	ELSAYED-ALI, HANI	4054	0	240	0	0	240	132	372	55.00%	ARC
500378-010	No	FACE CONSTRUCTION TECHNOLOGIES	ELSAYED-ALI, HANI	4054	2,525	0	0	0	2,525	1,389	3,914	55.00%	ARC
500429-010	No	BSCE SYSTEMS, INC.	ELSAYED-ALI, HANI	4054	0	0	0	859	859	223	1,082	25.96%	ARC
500432-010	No	BNNT, LLC	ELSAYED-ALI, HANI	4054	0	2,952	0	0	2,952	1,623	4,575	55.00%	ARC
500438-010	No	LIFENET	ELSAYED-ALI, HANI	4054	0	0	0	117	117	64	181	55.00%	ARC
500439-010	No	EMBODY	ELSAYED-ALI, HANI	4054	0	2,583	0	0	2,583	1,421	4,004	55.00%	ARC
100955-010	5%	NATIONAL SCIENCE FOUNDATION	MARSILLAC, SYLVAIN	4054	251	100	0	0	351	193	544	55.00%	ARC
100962-010	70%	U.S. DEPARTMENT OF ENERGY	MARSILLAC, SYLVAIN	4054	16,555	1,974	0	0	18,529	10,191	28,720	55.00%	ARC
400468-010	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	4054	11,672	19,469	0	322	31,462	17,137	48,599	54.47%	ARC
400468-011	50%	JEFFERSON SCIENCE ASSOCIATES, LLC (JEFFERSON LAB)	MARSILLAC, SYLVAIN	4054	9,687	0	0	0	9,688	5,813	15,500	60.00%	ARC
100903-010	80%	NATIONAL SCIENCE FOUNDATION	NAMKOONG, GON	4054	25,565	6,322	0	12,269	44,157	17,538	61,695	39.72%	ARC
100955-010	5%	NATIONAL SCIENCE FOUNDATION	NAMKOONG, GON	4054	251	100	0	0	351	193	544	55.00%	ARC
300392-010	No	NORFOLK STATE UNIVERSITY	NAMKOONG, GON	4054	4,682	(17)	0	0	4,666	2,566	7,232	55.00%	ARC
	TOTAL APPLIED RESEARCH CENTER (ARC)				**303,928**	**77,207**	**0**	**29,565**	**410,700**	**133,918**	**544,617**	**32.61%**	
FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)													
300672-010	60.00%	OLD DOMINION UNIVERSITY	BEEBE, STEPHEN	4073	(11,373)	0	0	0	(11,373)	(3,412)	(14,785)	30.00%	CBE
100875-020	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	CATRAVAS, JOHN	5056	38,094	3,467	17,970	0	59,531	22,859	82,390	38.40%	CBE
100875-030	No	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	CATRAVAS, JOHN	5056	198,748	37,188	0	0	235,936	129,765	365,701	55.00%	CBE
500461-010	No	KEVIRX, INC.	CATRAVAS, JOHN	5056	19,637	0	0	0	19,637	10,800	30,437	55.00%	CBE
100661-010	No	AIR FORCE RESEARCH LABORATORY	JIANG, CHUNQI	4054	30,192	6,720	0	0	36,913	20,302	57,215	55.00%	CBE
300595-010	No	UNIVERSITY OF SOUTH FLORIDA	JIANG, CHUNQI	4054	54,994	17,087	0	3,832	75,913	39,645	115,557	52.22%	CBE
300757-010	No	OLD DOMINION UNIVERSITY	JIANG, CHUNQI	4054	0	0	268,573	0	268,573	0	268,573	0.00%	CBE
300811-010	No	OLD DOMINION UNIVERSITY	JIANG, CHUNQI	4054	43,712	2,541	0	7,424	53,677	25,439	79,116	47.39%	CBE
500226-021	50.00%	PULSE BIOSCIENCES (ELECTROBLATE)	MURATORI, CLAUDIA	5056	16,585	1,366	0	862	18,813	9,873	28,686	52.48%	CBE
100945-010	80.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	PAKHOMOV, ANDREI	4073	127,852	618	0	0	128,470	77,082	205,552	60.00%	CBE
300345-010	No	OLD DOMINION UNIVERSITY	PAKHOMOV, ANDREI	4073	(28,770)	(1,233)	0	(6,081)	(36,084)	(16,502)	(52,585)	45.73%	CBE
500226-022	70.00%	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOV, ANDREI	5056	3,222	0	0	0	3,222	1,772	4,994	55.00%	CBE
500473-010	80.00%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	PAKHOMOV, ANDREI	4073	98,025	31,560	15,758	0	145,343	77,751	223,094	53.49%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300345-012	No	OLD DOMINION UNIVERSITY	PAKHOMOVA, OLGA	4073	(6,498)	0	0	(0)	(6,498)	(3,574)	(10,072)	55.00%	CBE
500226-022	30.00%	PULSE BIOSCIENCES (ELECTROBLATE)	PAKHOMOVA, OLGA	4073	1,381	0	0	0	1,381	759	2,140	55.00%	CBE
500473-010	10.00%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	PAKHOMOVA, OLGA	4073	12,253	3,945	1,970	0	18,168	9,719	27,887	53.49%	CBE
100945-010	20.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SEMENOV, IURII	4073	31,963	154	0	0	32,117	19,270	51,388	60.00%	CBE
500473-010	10.00%	NON-CONTACT NEUROMODULATION BY NANOSECOND PULSED ELECTRONIC FIELDS n	SEMENOV, IURII	4073	12,253	3,945	1,970	0	18,168	9,719	27,887	53.49%	CBE
300660-010	30.00%	OLD DOMINION UNIVERSITY	VERNIER, PAUL THOMAS	4073	0	183	0	0	183	0	183	0.00%	CBE
		TOTAL FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS (CBE)			**642,270**	**107,541**	**306,241**	**6,037**	**1,062,088**	**431,267**	**1,493,356**	**40.61%**	
CENTER FOR BIOELECTRONICS (CBX)													
100804-010	No	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, GYMAMA	4074	75,291	21,247	15,332	1,721	113,591	51,165	164,757	45.04%	CBX
100807-010	No	NATIONAL SCIENCE FOUNDATION	SLAUGHTER, GYMAMA	4074	9,464	14,572	303	0	24,339	13,220	37,558	54.31%	CBX
100893-010	50.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	4074	0	118	0	0	118	9	127	8.00%	CBX
100893-020	50.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	4074	7,116	9,863	0	84,829	101,807	6,503	108,310	6.39%	CBX
100893-030	50.00%	U.S. PUBLIC HEALTH SERVICE (INCLUDING NIH)	SLAUGHTER, GYMAMA	4075	6,007	0	0	19,196	25,203	2,016	27,220	8.00%	CBX
		TOTAL CENTER FOR BIOELECTRONICS (CBX)			**97,877**	**45,800**	**15,636**	**105,746**	**265,059**	**72,913**	**337,972**	**27.51%**	
CENTER FOR CYBERSECURITY (CYBER)													
100892-010	10.00%	NATIONAL SCIENCE FOUNDATION	DIAZ, RAFAEL	9910	5,994	3,218	0	51,401	60,613	5,067	65,680	8.36%	CYBER
300814-010	33.33%	GEORGE MASON UNIVERSITY	ISLAM, KAZI	9915	4,502	306	0	0	4,808	0	4,808	0.00%	CYBER
100838-010	40.00%	NATIONAL SCIENCE FOUNDATION	JIANG, PENG	9915	4,938	4,005	0	45,590	54,534	4,919	59,453	9.02%	CYBER
300856-010	20.00%	OLD DOMINION UNIVERSITY	JIANG, PENG	9915	1,513	336	0	0	1,849	0	1,849	0.00%	CYBER
100892-010	10.00%	NATIONAL SCIENCE FOUNDATION	KARAHAN, SALTUK	1018	5,994	3,218	0	51,401	60,613	5,067	65,680	8.36%	CYBER
100930-010	No	NATIONAL SCIENCE FOUNDATION	NING, RUI	9915	4,456	367	0	801	5,625	2,653	8,278	47.17%	CYBER
300736-010	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	NING, RUI	9915	20,182	4,818	0	0	25,000	0	25,000	0.00%	CYBER
300737-010	34.00%	OLD DOMINION UNIVERSITY	NING, RUI	9915	18,993	12,609	0	3,056	34,658	0	34,658	0.00%	CYBER
300738-010	34.00%	OLD DOMINION UNIVERSITY	NING, RUI	9915	6,540	3,074	0	0	9,614	0	9,614	0.00%	CYBER
300760-010	50.00%	OLD DOMINION UNIVERSITY	NING, RUI	9915	9,036	2,994	0	1,163	13,192	0	13,192	0.00%	CYBER
300814-010	33.33%	GEORGE MASON UNIVERSITY	NING, RUI	9915	4,502	306	0	0	4,808	0	4,808	0.00%	CYBER
100709-010	20.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	9910	13,266	6,493	0	14,312	34,071	10,867	44,938	31.90%	CYBER
100814-010	65.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	9910	12,852	4,755	0	11,389	28,995	9,683	38,679	33.40%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	9910	0	0	0	40	40	0	40	0.00%	CYBER
100892-010	80.00%	NATIONAL SCIENCE FOUNDATION	PAYNE, BRIAN	9910	47,951	25,744	0	411,209	484,904	40,532	525,436	8.36%	CYBER
300687-010	50.00%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	9915	409	50	0	0	459	0	459	0.00%	CYBER
300860-010	20.00%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	9915	5,043	560	0	0	5,603	0	5,603	0.00%	CYBER
300869-010	10.00%	OLD DOMINION UNIVERSITY	PAYNE, BRIAN	9915	119	87	0	0	206	0	206	0.00%	CYBER
100723-010	33.00%	NATIONAL SCIENCE FOUNDATION	PURWANTO, WIRAWAN	9915	19,760	971	0	1,420	22,151	11,402	33,553	51.47%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	SANZO, KAREN	3046	0	0	0	40	40	0	40	0.00%	CYBER
300703-010	30.00%	OLD DOMINION UNIVERSITY	STILL, JEREMIAH	6087	6,520	763	0	0	7,284	0	7,284	0.00%	CYBER
100873-010	33.00%	NATIONAL SCIENCE FOUNDATION	WANG, CONG	6093	2,201	0	0	0	2,201	1,211	3,411	55.00%	CYBER
100709-010	20.00%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	4054	13,266	6,493	0	14,312	34,071	10,867	44,938	31.90%	CYBER
100723-010	34.00%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	4054	20,358	1,001	0	1,463	22,822	11,747	34,569	51.47%	CYBER
100814-010	35.00%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	4054	6,920	2,560	0	6,133	15,613	5,214	20,827	33.40%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	4054	0	0	0	40	40	0	40	0.00%	CYBER
100906-010	20.00%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	WU, HONGYI	4054	5,497	0	0	0	5,497	1,759	7,256	32.00%	CYBER
100909-010	50.00%	NATIONAL SCIENCE FOUNDATION	WU, HONGYI	9915	0	0	29,890	0	29,890	0	29,890	0.00%	CYBER
300623-010	30.00%	HOWARD UNIVERSITY	WU, HONGYI	4054	38,372	29,732	0	13,702	81,806	37,457	119,263	45.79%	CYBER
300697-010	25.00%	OLD DOMINION UNIVERSITY	WU, HONGYI	9915	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300698-010	20.00%	OLD DOMINION UNIVERSITY	WU, HONGYI	9915	9,405	799	0	3,869	14,073	5,612	19,685	39.88%	CYBER
300705-010	50.00%	OLD DOMINION UNIVERSITY	WU, HONGYI	9915	17,716	4,218	24,978	0	46,911	0	46,911	0.00%	CYBER
300715-010	50.00%	OLD DOMINION UNIVERSITY	WU, HONGYI	9915	5,306	3,914	2,811	0	12,031	0	12,031	0.00%	CYBER

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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300736-010	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	WU, HONGYI	9915	20,182	4,818	0	0	25,000	0	25,000	0.00%	CYBER
300738-010	33.00%	OLD DOMINION UNIVERSITY	WU, HONGYI	9915	6,348	2,983	0	0	9,331	0	9,331	0.00%	CYBER
300776-010	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	WU, HONGYI	9915	446	0	0	7,000	7,446	245	7,691	3.29%	CYBER
400491-001	5.00%	REINVENT HAMPTON ROADS	WU, HONGYI	9915	568	2	0	16,751	17,320	0	17,320	0.00%	CYBER
400491-002	5.00%	REINVENT HAMPTON ROADS	WU, HONGYI	9915	568	3	0	9,172	9,742	0	9,742	0.00%	CYBER
100709-010	40.00%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	4054	26,531	12,985	0	28,625	68,141	21,734	89,875	31.90%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	4054	0	0	0	40	40	0	40	0.00%	CYBER
100908-010	60.00%	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	4054	19,880	1,260	22,279	19,732	63,151	11,627	74,778	18.41%	CYBER
100909-010	50.00%	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	9915	0	0	29,890	0	29,890	0	29,890	0.00%	CYBER
100915-010	50.00%	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	4054	35,081	0	0	4,720	39,801	19,294	59,095	48.48%	CYBER
100940-010	No	NATIONAL SCIENCE FOUNDATION	XIN, CHUNSHENG	4054	186,320	0	0	0	186,320	0	186,320	0.00%	CYBER
100959-010	No	NATIONAL SECURITY AGENCY	XIN, CHUNSHENG	4054	0	0	0	164,897	164,897	0	164,897	0.00%	CYBER
300697-010	25.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300697-010	60.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	3,273	0	0	3,450	6,723	1,800	8,522	26.77%	CYBER
300698-010	30.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	14,107	1,199	0	5,804	21,110	8,418	29,528	39.88%	CYBER
300698-010	60.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	6,026	1,033	0	3,641	10,700	3,882	14,582	36.28%	CYBER
300705-010	50.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	17,716	4,218	24,978	0	46,911	0	46,911	0.00%	CYBER
300715-010	50.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	5,306	3,914	2,811	0	12,031	0	12,031	0.00%	CYBER
300718-010	50.00%	COLLEGE OF WILLIAM AND MARY	XIN, CHUNSHENG	4054	0	4,714	2,811	0	7,526	0	7,526	0.00%	CYBER
300734-010	No	UNIVERSITY OF VIRGINIA	XIN, CHUNSHENG	4054	30,287	849	0	0	31,136	17,125	48,261	55.00%	CYBER
300737-010	33.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	18,435	12,238	0	2,966	33,639	0	33,639	0.00%	CYBER
300738-010	33.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	4054	6,348	2,983	0	0	9,331	0	9,331	0.00%	CYBER
300776-010	50.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	XIN, CHUNSHENG	4054	446	0	0	7,000	7,446	245	7,691	3.29%	CYBER
300776-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	XIN, CHUNSHENG	4054	13,211	7,887	0	28,000	49,098	11,604	60,702	23.63%	CYBER
300798-010	70.00%	OLD DOMINION UNIVERSITY	XIN, CHUNSHENG	9915	0	0	0	10,074	10,074	0	10,074	0.00%	CYBER
300853-010	No	COLLEGE OF WILLIAM AND MARY	XIN, CHUNSHENG	4054	0	1,384	0	0	1,384	0	1,384	0.00%	CYBER
400475-010	20.00%	VA TECH ARC	XIN, CHUNSHENG	4054	8,577	4,481	0	631	13,690	7,182	20,872	52.46%	CYBER
400491-001	95.00%	REINVENT HAMPTON ROADS	XIN, CHUNSHENG	9915	10,794	34	0	318,260	329,088	0	329,088	0.00%	CYBER
400491-002	95.00%	REINVENT HAMPTON ROADS	XIN, CHUNSHENG	9915	10,794	49	0	174,260	185,103	0	185,103	0.00%	CYBER
100856-010	20.00%	NATIONAL SCIENCE FOUNDATION	ZHAO, DANELLA	6093	0	0	0	40	40	0	40	0.00%	CYBER
300697-010	25.00%	OLD DOMINION UNIVERSITY	ZHAO, DANELLA	6093	6,555	763	0	4,311	11,629	4,025	15,654	34.61%	CYBER
300698-010	30.00%	OLD DOMINION UNIVERSITY	ZHAO, DANELLA	6093	14,107	1,199	0	5,804	21,110	8,418	29,528	39.88%	CYBER
300718-010	50.00%	COLLEGE OF WILLIAM AND MARY	ZHAO, DANELLA	6093	0	4,714	2,811	0	7,526	0	7,526	0.00%	CYBER
	TOTAL CENTER FOR CYBERSECURITY (CYBER)				**786,622**	**198,629**	**143,258**	**1,455,141**	**2,583,650**	**287,707**	**2,871,357**	**11.14%**	
SOCIAL SCIENCE RESEARCH CENTER (SSRC)													
200296-040	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	1060	29,478	5,624	0	0	35,101	1,755	36,857	5.00%	SSRC
200296-050	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	1060	4,288	10,529	0	0	14,817	741	15,558	5.00%	SSRC
200342-020	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	1060	8,448	2,800	0	0	11,248	562	11,810	5.00%	SSRC
200342-030	No	VA DEPARTMENT OF BEHAVIORAL HEALTH/DEVELOPMENTAL SERVICES	VANDECAR-BURDIN, TANCY	1060	15,811	15,191	0	0	31,001	1,550	32,552	5.00%	SSRC
200357-010	10.00%	VA DEPARTMENT OF MOTOR VEHICLES	VANDECAR-BURDIN, TANCY	1060	4,135	1,287	0	725	6,147	1,410	7,557	22.93%	SSRC
200363-010	25.00%	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	VANDECAR-BURDIN, TANCY	1060	26,985	1,733	0	0	28,718	0	28,718	0.00%	SSRC
200367-010	No	JOINT COMMISSION ON HEALTH CARE	VANDECAR-BURDIN, TANCY	1060	13,864	0	0	0	13,864	3,605	17,469	26.00%	SSRC
200371-010	50.00%	PORTSMOUTH POLICE DEPARTMENT	VANDECAR-BURDIN, TANCY	1060	3,263	0	0	0	3,263	848	4,112	26.00%	SSRC
200373-010	No	CITY OF VIRGINIA BEACH	VANDECAR-BURDIN, TANCY	1060	1,973	0	0	72	2,045	0	2,045	0.00%	SSRC
300577-010	33.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	2,611	0	0	2,094	4,706	1,224	5,929	26.00%	SSRC
300687-010	50.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	409	50	0	0	459	0	459	0.00%	SSRC
300719-010	50.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	7,799	3,839	0	17,788	29,425	0	29,425	0.00%	SSRC
300753-010	No	UNIVERSITY OF RHODE ISLAND	VANDECAR-BURDIN, TANCY	1060	1,724	0	0	0	1,724	948	2,672	55.00%	SSRC
300772-010	5.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	3,046	2,492	0	0	5,539	443	5,982	8.00%	SSRC

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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300777-010	34.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	5,347	423	0	720	6,490	0	6,490	0.00%	SSRC
300818-010	No	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	13,750	0	0	0	13,750	0	13,750	0.00%	SSRC
300844-010	40.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	18,818	9,227	0	2,640	30,685	2,244	32,928	7.31%	SSRC
300877-010	34.00%	OLD DOMINION UNIVERSITY	VANDECAR-BURDIN, TANCY	1060	1,321	524	0	0	1,846	0	1,846	0.00%	SSRC
400514-010	5.00%	THE NATIONAL ACADEMIES	VANDECAR-BURDIN, TANCY	1060	2,035	1,274	0	1,631	4,940	1,820	6,760	36.84%	SSRC
400519-010	25%	SENTARA HEALTHCARE	VANDECAR-BURDIN, TANCY	1060	9,512	6,250	0	19,573	35,334	0	35,334	0.00%	SSRC
400532-010	50.00%	MOTHERS AGAINST DRUNK DRIVERS	VANDECAR-BURDIN, TANCY	1060	4,703	1,427	0	120	6,250	3,750	10,000	60.00%	SSRC
		TOTAL SOCIAL SCIENCE RESEARCH CENTER (SSRC)			**179,318**	**62,672**	**0**	**45,363**	**287,352**	**20,900**	**308,252**	**7.27%**	
THE CENTER FOR EDUCATIONAL PARTNERSHIPS (TCEP)													
100835-010	20.00%	U.S. DEPARTMENT OF EDUCATION	BROBST, JOSEPH	3048	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
300503-010	No	WESTERN WASHINGTON UNIVERSITY	BROBST, JOSEPH	3048	17,313	829	0	0	18,142	9,978	28,120	55.00%	TCEP
300527-010	No	WESTERN WASHINGTON UNIVERSITY	BROBST, JOSEPH	3048	16,404	0	0	0	16,404	9,022	25,427	55.00%	TCEP
300635-010	No	DELAWARE TECHNICAL AND COMMUNITY COLLEGE	BROBST, JOSEPH	3048	11,993	338	0	0	12,331	6,782	19,113	55.00%	TCEP
100835-010	20.00%	U.S. DEPARTMENT OF EDUCATION	CHAPPELL MOOTS, SHANAN	3048	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
100835-010	10.00%	U.S. DEPARTMENT OF EDUCATION	FERRELL, VENICIA	3048	20,994	1,631	0	20,153	42,779	12,444	55,223	29.09%	TCEP
200372-010	No	ESSEX COUNTY PUBLIC SCHOOLS	FERRELL, VENICIA	3048	28,969	6,655	0	0	35,623	9,262	44,885	26.00%	TCEP
400526-010	50.00%	CHESAPEAKE BAY TRUST	FERRELL, VENICIA	3048	9,633	16,545	0	4,813	30,990	2,618	33,608	8.45%	TCEP
100835-010	25.00%	U.S. DEPARTMENT OF EDUCATION	GARNER, JOANNA	3048	52,486	4,079	0	50,384	106,948	31,110	138,058	29.09%	TCEP
100885-010	No	SMITHSONIAN INSTITUTION	GARNER, JOANNA	3048	19,252	2,254	0	0	21,507	5,592	27,099	26.00%	TCEP
300557-010	No	OKLAHOMA STATE UNIVERSITY	GARNER, JOANNA	3048	2,753	0	0	(1)	2,752	716	3,468	26.01%	TCEP
300587-020	30.00%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3048	2,928	2,631	0	16,583	22,142	0	22,142	0.00%	TCEP
300587-030	30.00%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3048	3,018	0	0	21,430	24,448	0	24,448	0.00%	TCEP
300836-010	33.00%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3048	0	3,960	0	0	3,960	317	4,277	8.00%	TCEP
300860-010	20.00%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3048	5,043	560	0	0	5,603	0	5,603	0.00%	TCEP
300869-010	20.00%	OLD DOMINION UNIVERSITY	GARNER, JOANNA	3048	237	175	0	0	412	0	412	0.00%	TCEP
400503-010	No	MARINER'S MUSEUM	GARNER, JOANNA	3048	7,280	0	0	0	7,280	1,893	9,173	26.00%	TCEP
400507-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	3048	4,309	2,026	0	0	6,335	3,484	9,819	55.00%	TCEP
400508-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	3048	1,115	0	0	0	1,115	613	1,728	55.00%	TCEP
400509-010	No	NATIONAL INVENTORS HALL OF FAME	GARNER, JOANNA	3048	3,349	0	0	3,608	6,957	1,043	8,000	14.99%	TCEP
400526-010	50.00%	CHESAPEAKE BAY TRUST	GARNER, JOANNA	3048	9,633	16,545	0	4,813	30,990	2,618	33,608	8.45%	TCEP
300679-010	No	OLD DOMINION UNIVERSITY	JOE, MIA	3048	5,990	0	0	0	5,990	0	5,990	0.00%	TCEP
300681-010	No	OLD DOMINION UNIVERSITY	JOE, MIA	3048	5,437	1,392	0	0	6,829	0	6,829	0.00%	TCEP
100835-010	5.00%	U.S. DEPARTMENT OF EDUCATION	LONEY, MELANI	3048	10,497	816	0	10,077	21,390	6,222	27,612	29.09%	TCEP
200290-010	70.00%	YORK COUNTY SCHOOLS	LONEY, MELANI	3048	3,983	0	0	0	3,983	199	4,182	5.00%	TCEP
300587-020	40.00%	OLD DOMINION UNIVERSITY	LONEY, MELANI	3048	3,904	3,507	0	22,111	29,522	0	29,522	0.00%	TCEP
300587-030	40.00%	OLD DOMINION UNIVERSITY	LONEY, MELANI	3048	4,024	0	0	28,574	32,598	0	32,598	0.00%	TCEP
300844-010	60.00%	OLD DOMINION UNIVERSITY	LONEY, MELANI	3048	28,227	13,840	0	3,960	46,027	3,365	49,392	7.31%	TCEP
100835-010	20.00%	U.S. DEPARTMENT OF EDUCATION	WEBSTER, HALLDORA	3048	41,989	3,263	0	40,307	85,558	24,888	110,447	29.09%	TCEP
200290-010	30.00%	YORK COUNTY SCHOOLS	WEBSTER, HALLDORA	3048	1,707	0	0	0	1,707	85	1,792	5.00%	TCEP
300587-020	30.00%	OLD DOMINION UNIVERSITY	WEBSTER, HALLDORA	3048	2,928	2,631	0	16,583	22,142	0	22,142	0.00%	TCEP
300587-030	30.00%	OLD DOMINION UNIVERSITY	WEBSTER, HALLDORA	3048	3,018	0	0	21,430	24,448	0	24,448	0.00%	TCEP
		TOTAL THE CENTER FOR EDUCATIONAL PARTNERSHIPS (TCEP)			**412,391**	**90,203**	**0**	**345,438**	**848,032**	**182,029**	**1,030,061**	**21.46%**	
VIRGINIA MODELING AND SIMULATION CENTER (VMASC)													
300675-010	10.00%	OLD DOMINION UNIVERSITY	AGGARWAL, PRIYANKA	4071	1,718	43	0	0	1,761	0	1,761	0.00%	VMASC
100790-011	5.00%	NAVAL SEA SYSTEMS COMMAND	AMASON, DARRYL	4071	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300592-010	20.00%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	4071	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300639-010	30.00%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	4071	0	83	0	(0)	83	0	83	0.00%	VMASC
300720-010	20.00%	STEVENS INSTITUTE OF TECHNOLOGY	AMASON, DARRYL	4071	42,643	537	0	0	43,179	28,066	71,246	65.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300747-010	7.00%	OLD DOMINION UNIVERSITY	AMASON, DARRYL	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
500390-010	60.00%	ALEX – ALTERNATIVE EXPERTS, LLC	AMASON, DARRYL	4071	634	0	0	0	634	412	1,046	65.00%	VMASC
500435-030	20.00%	VALKYRIE ENTERPRISES, INC.	AMASON, DARRYL	4071	11,761	0	0	0	11,761	7,645	19,406	65.00%	VMASC
500487-010	No	ALEX – ALTERNATIVE EXPERTS, LLC	AMASON, DARRYL	4071	1,782	977	0	0	2,759	2,124	4,883	77.00%	VMASC
300744-010	10.00%	OLD DOMINION UNIVERSITY	BALL, PATRICK	4071	3,323	21,684	0	0	25,007	0	25,007	0.00%	VMASC
500486-010	20.00%	DELOITTE CONSULTING, LLP	BANERJEE, SOUMYA	4071	128	0	0	0	128	77	204	60.00%	VMASC
200343-010	20.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	BARRACO, ANTHONY	4071	338	0	0	(0)	338	186	523	55.03%	VMASC
300543-010	20.00%	OLD DOMINION UNIVERSITY	BARRACO, ANTHONY	4071	43,302	18,038	0	2,101	63,441	33,737	97,179	53.18%	VMASC
300790-010	24.00%	OLD DOMINION UNIVERSITY	BARRACO, ANTHONY	4071	42,547	13,463	0	868	56,878	30,806	87,684	54.16%	VMASC
500460-010	80.00%	TIM HOILES	BARRACO, ANTHONY	4071	0	0	0	77	77	43	120	55.36%	VMASC
100824-010	50.00%	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	BEHR, JOSHUA	4071	2,299	1,767	0	17,416	21,481	2,236	23,717	10.41%	VMASC
100883-010	25.00%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	BEHR, JOSHUA	4071	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	33.00%	NATIONAL SCIENCE FOUNDATION	BEHR, JOSHUA	4071	26,829	79,739	0	0	106,569	27,708	134,276	26.00%	VMASC
300543-010	15.00%	OLD DOMINION UNIVERSITY	BEHR, JOSHUA	4071	32,476	13,529	0	1,576	47,581	25,303	72,884	53.18%	VMASC
300691-010	33.00%	OLD DOMINION UNIVERSITY	BEHR, JOSHUA	4071	9,312	0	0	228	9,540	0	9,540	0.00%	VMASC
300813-010	16.00%	UNIVERSITY OF NORTH CAROLINA	BEHR, JOSHUA	4071	15,085	1,863	0	0	16,947	9,321	26,268	55.00%	VMASC
500394-010	50.00%	Arcadis Engineering	BEHR, JOSHUA	4071	63	0	0	0	63	35	97	55.01%	VMASC
300545-010	20.00%	OLD DOMINION UNIVERSITY	BOWLES, DAVID	4071	2,868	2,037	0	13,134	18,039	0	18,039	0.00%	VMASC
300661-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	4071	0	5,071	0	0	5,071	0	5,071	0.00%	VMASC
300784-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	4071	5,559	6,836	0	0	12,395	0	12,395	0.00%	VMASC
300785-010	No	OLD DOMINION UNIVERSITY	BOWLES, DAVID	4071	0	7,985	0	0	7,985	0	7,985	0.00%	VMASC
400516-001	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	4071	11,531	550	0	21,233	33,315	0	33,315	0.00%	VMASC
400516-002	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	4071	2,175	0	0	0	2,175	0	2,175	0.00%	VMASC
400516-003	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	4071	8,684	0	0	0	8,684	0	8,684	0.00%	VMASC
400516-004	No	REINVENT HAMPTON ROADS	BOWLES, DAVID	4071	7,481	892	0	0	8,372	0	8,372	0.00%	VMASC
100790-010	18.00%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	4071	9,507	0	0	947	10,454	6,180	16,634	59.11%	VMASC
100790-011	10.00%	NAVAL SEA SYSTEMS COMMAND	COLLINS, ANDREW	4071	23,885	0	0	443	24,328	15,525	39,853	63.82%	VMASC
300744-010	10.00%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	4071	3,323	21,684	0	0	25,007	0	25,007	0.00%	VMASC
300793-010	25.00%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	4071	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
300794-010	50.00%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	4071	0	1,086	0	0	1,086	0	1,086	0.00%	VMASC
300795-010	75.00%	OLD DOMINION UNIVERSITY	CORDNER, JESSICA	4071	77,140	0	0	10,631	87,770	0	87,770	0.00%	VMASC
100931-010	50.00%	NAVAL SURFACE WARFARE CENTER	CROLL, MENION	4071	0	0	0	44,885	44,885	27,983	72,868	62.35%	VMASC
400548-010	25.00%	ADVANCED TECHNOLOGY INTERNATIONAL	CROLL, MENION	4071	64,581	5,284	0	0	69,865	41,919	111,784	60.00%	VMASC
500396-002	25.00%	ManTech	CROLL, MENION	4071	(394)	0	0	0	(394)	(256)	(650)	65.00%	VMASC
100958-010	20.00%	U.S. DEPARTMENT OF EDUCATION	CVIJETIC, BRATISLAV	4071	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
400530-010	15.00%	REINVENT HAMPTON ROADS	CVIJETIC, BRATISLAV	4071	0	5,251	32,394	0	37,645	0	37,645	0.00%	VMASC
300758-010	20.00%	OLD DOMINION UNIVERSITY	CZACK, RUSSELL	4071	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300592-010	20.00%	OLD DOMINION UNIVERSITY	DIALLO, SAIKOU	4071	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
100883-010	25.00%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	DIAZ, RAFAEL	4071	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	33.00%	NATIONAL SCIENCE FOUNDATION	DIAZ, RAFAEL	4071	26,829	79,739	0	0	106,569	27,708	134,276	26.00%	VMASC
300658-010	34.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	0	0	0	656	656	0	656	0.00%	VMASC
300671-010	25.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300691-010	34.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	9,594	0	0	235	9,829	0	9,829	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300770-010	48.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	26,841	789	0	0	27,629	0	27,629	0.00%	VMASC
300802-010	25.00%	OLD DOMINION UNIVERSITY	DIAZ, RAFAEL	4071	2,071	13	0	0	2,084	0	2,084	0.00%	VMASC
100830-010	No	NORFOLK NAVAL SHIPYARD	EZELL, BARRY	4071	0	19,928	0	0	19,928	6,377	26,305	32.00%	VMASC
100834-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	EZELL, BARRY	4071	2,759	0	0	157,827	160,586	993	161,579	0.62%	VMASC
100841-020	No	JOINT NON-LETHAL WEAPONS DIRECTORATE	EZELL, BARRY	4071	183,722	0	0	0	183,722	18,372	202,094	10.00%	VMASC
100884-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	EZELL, BARRY	4071	3,198	41,374	0	0	44,573	16,046	60,619	36.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
200324-030	No	HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, BARRY	4071	5,039	17,601	0	39,795	62,435	5,900	68,336	9.45%	VMASC
200324-040	No	HAMPTON ROADS PLANNING DISTRICT COMMISSION	EZELL, BARRY	4071	3,152	8,000	0	0	11,152	2,900	14,051	26.00%	VMASC
200343-010	20.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	4071	338	0	0	(0)	338	186	523	55.03%	VMASC
200362-010	15.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	4071	3,442	0	0	21,468	24,910	895	25,805	3.59%	VMASC
200362-011	60.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	4071	19,576	3,246	0	0	22,822	5,934	28,755	26.00%	VMASC
200362-012	30.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	4071	15,700	0	0	0	15,700	4,082	19,782	26.00%	VMASC
200365-010	50.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	EZELL, BARRY	4071	59,749	168	0	0	59,917	15,578	75,496	26.00%	VMASC
300654-010	No	OLD DOMINION UNIVERSITY	EZELL, BARRY	4071	38,651	0	0	(0)	38,651	0	38,651	0.00%	VMASC
300720-010	20.00%	STEVENS INSTITUTE OF TECHNOLOGY	EZELL, BARRY	4071	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300863-010	20.00%	OLD DOMINION UNIVERSITY	EZELL, BARRY	4071	10,667	9,902	0	0	20,568	0	20,568	0.00%	VMASC
300865-010	No	OLD DOMINION UNIVERSITY	EZELL, BARRY	4071	50,787	3,859	0	0	54,646	0	54,646	0.00%	VMASC
500390-010	40.00%	ALEX – ALTERNATIVE EXPERTS, LLC	EZELL, BARRY	4071	423	0	0	0	423	275	697	65.00%	VMASC
500462-001	No	CIRCADENCE	EZELL, BARRY	4071	(794)	0	0	(0)	(794)	(516)	(1,310)	65.00%	VMASC
500462-003	No	CIRCADENCE	EZELL, BARRY	4071	64,868	0	0	118,083	182,951	118,918	301,870	65.00%	VMASC
500462-004	No	CIRCADENCE	EZELL, BARRY	4071	0	1,082	0	0	1,082	703	1,785	65.00%	VMASC
500462-005	No	CIRCADENCE	EZELL, BARRY	4071	52,625	0	0	0	52,625	40,521	93,146	77.00%	VMASC
500462-006	No	CIRCADENCE	EZELL, BARRY	4071	0	1,570	0	0	1,570	1,209	2,779	77.00%	VMASC
500470-010	No	VALKYRIE ENTERPRISES, INC.	EZELL, BARRY	4071	5,845	3,609	0	0	9,453	5,199	14,653	55.00%	VMASC
300744-010	40.00%	OLD DOMINION UNIVERSITY	FLANAGAN, DAVID	4071	13,293	86,735	0	0	100,028	0	100,028	0.00%	VMASC
300851-010	50.00%	OLD DOMINION UNIVERSITY	FLANAGAN, DAVID	4071	12,050	8,496	0	0	20,547	0	20,547	0.00%	VMASC
300717-001	10.00%	OLD DOMINION UNIVERSITY	FOYTIK, PETER	4071	434	1,443	0	0	1,876	0	1,876	0.00%	VMASC
300758-010	20.00%	OLD DOMINION UNIVERSITY	FOYTIK, PETER	4071	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300792-010	30.00%	GEORGE MASON UNIVERSITY	FOYTIK, PETER	4071	6,332	8,749	0	0	15,081	0	15,081	0.00%	VMASC
500434-001	50.00%	CIRCADENCE	FOYTIK, PETER	4071	0	0	0	4,772	4,772	3,103	7,876	65.02%	VMASC
500467-010	40.00%	FRONTIER TECHNOLOGY INC.	FOYTIK, PETER	4071	165,344	563	0	0	165,907	107,839	273,746	65.00%	VMASC
200362-010	17.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	FRYDENLUND, ERIKA	4071	3,901	0	0	24,331	28,231	1,014	29,246	3.59%	VMASC
200365-010	50.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	FRYDENLUND, ERIKA	4071	59,749	168	0	0	59,917	15,578	75,496	26.00%	VMASC
300543-010	25.00%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4071	54,127	22,548	0	2,626	79,302	42,171	121,473	53.18%	VMASC
300717-002	No	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4071	14,040	8,257	0	24,999	47,295	0	47,295	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	25.00%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4071	44,320	14,024	0	904	59,248	32,089	91,337	54.16%	VMASC
300801-010	50.00%	OLD DOMINION UNIVERSITY	FRYDENLUND, ERIKA	4071	4,275	140	0	0	4,415	0	4,415	0.00%	VMASC
300848-010	33.00%	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	FRYDENLUND, ERIKA	4071	4,347	106	0	0	4,453	0	4,453	0.00%	VMASC
100958-010	20.00%	U.S. DEPARTMENT OF EDUCATION	GARCIA, HECTOR	4071	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
300639-010	30.00%	OLD DOMINION UNIVERSITY	GARCIA, HECTOR	4071	0	83	0	(0)	83	0	83	0.00%	VMASC
300658-010	33.00%	OLD DOMINION UNIVERSITY	GARCIA, HECTOR	4071	0	0	0	637	637	0	637	0.00%	VMASC
400497-010	25.00%	VIRGINIA SHIP REPAIR ASSOCATION	GARCIA, HECTOR	4071	177	0	0	0	177	54	231	30.40%	VMASC
400530-010	20.00%	REINVENT HAMPTON ROADS	GARCIA, HECTOR	4071	0	7,001	43,192	0	50,193	0	50,193	0.00%	VMASC
100883-010	25.00%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	GILES, BRIDGET	4071	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
100919-010	20.00%	NATIONAL SCIENCE FOUNDATION	GILES, BRIDGET	4071	16,260	48,327	0	0	64,587	16,793	81,380	26.00%	VMASC
300803-010	20.00%	OLD DOMINION UNIVERSITY	GILES, BRIDGET	4071	1,460	0	0	0	1,460	0	1,460	0.00%	VMASC
100790-010	10.00%	NAVAL SEA SYSTEMS COMMAND	GORE, ROSS	4071	5,282	0	0	526	5,808	3,433	9,241	59.11%	VMASC
100790-011	5.00%	NAVAL SEA SYSTEMS COMMAND	GORE, ROSS	4071	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300640-010	20.00%	OLD DOMINION UNIVERSITY	GORE, ROSS	4071	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	25.00%	OLD DOMINION UNIVERSITY	GORE, ROSS	4071	4,295	108	0	0	4,403	0	4,403	0.00%	VMASC
300793-010	25.00%	OLD DOMINION UNIVERSITY	GORE, ROSS	4071	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
400439-010	90.00%	JOHN TEMPLETON FOUNDATION	GORE, ROSS	4071	46,196	0	0	386,084	432,280	6,929	439,209	1.60%	VMASC
500400-013	10.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	GORE, ROSS	4071	4,721	0	0	0	4,721	642	5,363	13.60%	VMASC
500400-014	10.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	GORE, ROSS	4071	6,169	0	0	0	6,169	839	7,008	13.60%	VMASC
500467-010	20.00%	FRONTIER TECHNOLOGY INC.	GORE, ROSS	4071	82,672	281	0	0	82,953	53,920	136,873	65.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
500480-001	No	APPLIED RESEARCH ASSOCIATES, INC.	GORE, ROSS	4071	6,313	0	0	0	6,313	3,788	10,101	60.00%	VMASC
100958-010	20.00%	U.S. DEPARTMENT OF EDUCATION	JOHNSON, JESSICA	4071	36,328	15,043	1,698	75,686	128,755	15,617	144,372	12.13%	VMASC
200345-010	60.00%	NEWPORT NEWS PUBLIC SCHOOLS	JOHNSON, JESSICA	4071	24,587	0	0	0	24,587	13,523	38,110	55.00%	VMASC
200381-010	60.00%	YORK COUNTY SCHOOLS	JOHNSON, JESSICA	4071	10,784	0	0	0	10,784	5,931	16,715	55.00%	VMASC
300639-010	14.00%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4071	0	39	0	(0)	39	0	39	0.00%	VMASC
300671-010	25.00%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4071	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300720-010	20.00%	STEVENS INSTITUTE OF TECHNOLOGY	JOHNSON, JESSICA	4071	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300725-010	75.00%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4071	4,473	5,262	0	0	9,735	0	9,735	0.00%	VMASC
300747-010	30.00%	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4071	48,118	6,254	0	9,450	63,822	4,350	68,171	6.82%	VMASC
300754-010	No	OLD DOMINION UNIVERSITY	JOHNSON, JESSICA	4071	97,988	21,057	0	0	119,044	0	119,044	0.00%	VMASC
300887-010	60.00%	VIRGINIA PENINSULA COMMUNITY COLLEGE (FORMERLY THOMAS NELSON	JOHNSON, JESSICA	4071	7,087	0	0	0	7,087	2,126	9,213	30.00%	VMASC
400497-010	75.00%	VIRGINIA SHIP REPAIR ASSOCATION	JOHNSON, JESSICA	4071	532	0	0	0	532	162	694	30.40%	VMASC
400530-010	15.00%	REINVENT HAMPTON ROADS	JOHNSON, JESSICA	4071	0	5,251	32,394	0	37,645	0	37,645	0.00%	VMASC
500435-030	30.00%	VALKYRIE ENTERPRISES, INC.	JOHNSON, JESSICA	4071	17,642	0	0	0	17,642	11,467	29,110	65.00%	VMASC
500448-010	30.00%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	4071	0	0	0	1,053	1,053	684	1,737	64.98%	VMASC
500448-020	30.00%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	4071	5,085	0	0	0	5,085	3,305	8,390	65.00%	VMASC
500454-010	75.00%	EPIC GAMES, INC.	JOHNSON, JESSICA	4071	14,047	0	0	0	14,047	4,270	18,318	30.40%	VMASC
500484-010	30.00%	DESIGN INTERACTIVE, INC.	JOHNSON, JESSICA	4071	6,960	0	0	0	6,960	5,359	12,319	77.00%	VMASC
300675-010	20.00%	OLD DOMINION UNIVERSITY	JORDAN, CRAIG	4071	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
500400-013	45.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, CRAIG	4071	21,246	0	0	0	21,246	2,889	24,135	13.60%	VMASC
500400-014	45.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	JORDAN, CRAIG	4071	27,759	0	0	0	27,759	3,775	31,535	13.60%	VMASC
300628-010	No	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	4071	47,720	14,119	0	0	61,839	0	61,839	0.00%	VMASC
300671-010	25.00%	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	4071	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300770-010	5.00%	OLD DOMINION UNIVERSITY	KOSTECZKO, JOSEPH	4071	2,796	82	0	0	2,878	0	2,878	0.00%	VMASC
100883-010	25.00%	U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	LAWSURE, KALEEN	4071	7,222	3,065	0	0	10,286	5,657	15,943	55.00%	VMASC
200362-011	40.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	LAWSURE, KALEEN	4071	13,051	2,164	0	0	15,214	3,956	19,170	26.00%	VMASC
200362-012	70.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	LAWSURE, KALEEN	4071	36,634	0	0	0	36,634	9,525	46,158	26.00%	VMASC
100938-010	40.00%	ARMY CORPS OF ENGINEERS RESEARCH & DEVELOPMENT CENTER (ERDC)	LE, TAN	4071	1,793	10,000	0	328	12,121	7,879	20,000	65.00%	VMASC
100949-010	30.00%	NATIONAL SCIENCE FOUNDATION	LE, TAN	4071	1,912	0	0	0	1,912	1,052	2,964	55.00%	VMASC
300656-010	40.00%	OLD DOMINION UNIVERSITY	LE, TAN	4071	12,613	3,520	0	0	16,133	0	16,133	0.00%	VMASC
300655-010	No	OLD DOMINION UNIVERSITY	LESLIE, KEVIN	4071	124,807	80,989	20,533	0	226,330	0	226,330	0.00%	VMASC
100790-010	10.00%	NAVAL SEA SYSTEMS COMMAND	LYNCH, CHRISTOPHER	4071	5,282	0	0	526	5,808	3,433	9,241	59.11%	VMASC
100790-011	5.00%	NAVAL SEA SYSTEMS COMMAND	LYNCH, CHRISTOPHER	4071	11,942	0	0	221	12,164	7,763	19,926	63.82%	VMASC
300675-010	5.00%	OLD DOMINION UNIVERSITY	LYNCH, CHRISTOPHER	4071	859	22	0	0	881	0	881	0.00%	VMASC
300720-010	20.00%	STEVENS INSTITUTE OF TECHNOLOGY	LYNCH, CHRISTOPHER	4071	42,643	537	0	0	43,179	28,066	71,246	65.00%	VMASC
300793-010	25.00%	OLD DOMINION UNIVERSITY	LYNCH, CHRISTOPHER	4071	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
500400-013	45.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	LYNCH, CHRISTOPHER	4071	21,246	0	0	0	21,246	2,889	24,135	13.60%	VMASC
500400-014	45.00%	UNITED NETWORK FOR ORGAN SHARING (UNOS)	LYNCH, CHRISTOPHER	4071	27,759	0	0	0	27,759	3,775	31,535	13.60%	VMASC
100906-010	20.00%	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	NELSON, MICHAEL	6093	5,497	0	0	0	5,497	1,759	7,256	32.00%	VMASC
300731-010	50.00%	NEW YORK UNIVERSITY	NELSON, MICHAEL	6093	29,286	0	0	0	29,286	4,686	33,972	16.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	NELSON, MICHAEL	6093	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	9.00%	OLD DOMINION UNIVERSITY	NELSON, MICHAEL	6093	15,955	5,049	0	326	21,329	11,552	32,881	54.16%	VMASC
300825-010	50.00%	DREXEL UNIVERSITY	NELSON, MICHAEL	6093	6,477	0	0	0	6,477	3,562	10,039	55.00%	VMASC
500455-010	No	PROTOCOL LABS	NELSON, MICHAEL	6093	10,715	1,924	0	0	12,639	6,952	19,591	55.00%	VMASC
600241-010	50.00%	INTERNATIONAL INTERNET PRESERVATION CONS	NELSON, MICHAEL	6093	1,417	0	0	521	1,938	0	1,938	0.00%	VMASC
100956-010	20.00%	NASA GODDARD SPACEFLIGHT CENTER	NIELSEN, ALEX	4071	5,971	2,643	0	0	8,614	4,737	13,351	55.00%	VMASC
300639-010	13.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	0	36	0	(0)	36	0	36	0.00%	VMASC
300640-010	20.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	20.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
300717-003	20.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	0	163	0	5,000	5,163	0	5,163	0.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300744-010	40.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	13,293	86,735	0	0	100,028	0	100,028	0.00%	VMASC
300779-010	No	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	40,373	0	0	8,632	49,005	0	49,005	0.00%	VMASC
300789-010	No	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	13,917	276	0	0	14,193	0	14,193	0.00%	VMASC
300793-010	25.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	34,024	1,166	0	0	35,191	0	35,191	0.00%	VMASC
300794-010	50.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	0	1,086	0	0	1,086	0	1,086	0.00%	VMASC
300795-010	25.00%	OLD DOMINION UNIVERSITY	NIELSEN, ALEX	4071	25,713	0	0	3,544	29,257	0	29,257	0.00%	VMASC
400456-010	No	CENTER FOR MIND AND CULTURE	NIELSEN, ALEX	4071	20,175	65	0	0	20,240	3,036	23,276	15.00%	VMASC
300543-010	25.00%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	4071	54,127	22,548	0	2,626	79,302	42,171	121,473	53.18%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300790-010	24.00%	OLD DOMINION UNIVERSITY	PADILLA, JOSE	4071	42,547	13,463	0	868	56,878	30,806	87,684	54.16%	VMASC
600249-010	No	NATO	PADILLA, JOSE	4071	6,250	0	0	(0)	6,250	3,750	10,000	60.00%	VMASC
100601-010	25.00%	U.S. DEPARTMENT OF EDUCATION	PAPELIS, YIANNIS	4071	9,484	5,800	0	0	15,284	3,974	19,257	26.00%	VMASC
100931-010	50.00%	NAVAL SURFACE WARFARE CENTER	PAPELIS, YIANNIS	4071	0	0	0	44,885	44,885	27,983	72,868	62.35%	VMASC
300556-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	PAPELIS, YIANNIS	4071	126,734	9,616	0	19,877	156,227	0	156,227	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300800-010	33.00%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	1,977	962	0	0	2,939	0	2,939	0.00%	VMASC
300829-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	78,308	2,486	0	0	80,794	0	80,794	0.00%	VMASC
300851-010	50.00%	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	12,050	8,496	0	0	20,547	0	20,547	0.00%	VMASC
300859-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	7,001	25,377	22,961	0	55,338	0	55,338	0.00%	VMASC
300871-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	3,172	20	0	0	3,191	0	3,191	0.00%	VMASC
300890-010	No	OLD DOMINION UNIVERSITY	PAPELIS, YIANNIS	4071	5,668	0	0	0	5,668	0	5,668	0.00%	VMASC
400548-010	75.00%	ADVANCED TECHNOLOGY INTERNATIONAL	PAPELIS, YIANNIS	4071	193,743	15,853	0	0	209,596	125,757	335,353	60.00%	VMASC
500396-002	75.00%	ManTech	PAPELIS, YIANNIS	4071	(1,181)	0	0	0	(1,181)	(768)	(1,949)	65.00%	VMASC
500488-010	50.00%	PIXELAR, LLC	PAPELIS, YIANNIS	4071	478	0	0	0	478	287	765	60.00%	VMASC
300758-010	15.00%	OLD DOMINION UNIVERSITY	RANA, MD MASUD	4071	9,926	309	0	0	10,234	0	10,234	0.00%	VMASC
300545-010	80.00%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	4071	11,472	8,149	0	52,537	72,158	0	72,158	0.00%	VMASC
300639-010	13.00%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	4071	0	36	0	(0)	36	0	36	0.00%	VMASC
300640-010	20.00%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	4071	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300668-007	No	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	4071	6,762	0	0	0	6,762	0	6,762	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	RECHOWICZ, KRZYSZTOF	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
400439-010	10.00%	JOHN TEMPLETON FOUNDATION	RECHOWICZ, KRZYSZTOF	4071	5,133	0	0	42,898	48,031	770	48,801	1.60%	VMASC
200391-010	No	HAMPTON PUBLIC SCHOOLS	RENNE, JENNIFER	4071	1,152	0	0	0	1,152	349	1,502	30.30%	VMASC
300755-010	No	OLD DOMINION UNIVERSITY	RENNE, JENNIFER	4071	33,365	39,192	0	0	72,557	0	72,557	0.00%	VMASC
300887-010	40.00%	VIRGINIA PENINSULA COMMUNITY COLLEGE (FORMERLY THOMAS NELSON	RENNE, JENNIFER	4071	4,724	0	0	0	4,724	1,417	6,142	30.00%	VMASC
100956-010	20.00%	NASA GODDARD SPACEFLIGHT CENTER	RICHTER, HEATHER	4071	24,091	7,680	0	13,012	44,783	17,474	62,257	39.02%	VMASC
300701-010	No	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	4071	128,219	0	0	0	128,219	0	128,219	0.00%	VMASC
300717-003	80.00%	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	4071	0	650	0	20,000	20,650	0	20,650	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	RICHTER, HEATHER	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
400519-010	75.00%	SENTARA HEALTHCARE	RICHTER, HEATHER	4071	28,535	18,750	0	58,718	106,003	0	106,003	0.00%	VMASC
400519-010	No	SENTARA HEALTHCARE	RICHTER, HEATHER	4071	16,961	2,990	0	0	19,951	0	19,951	0.00%	VMASC
100958-010	40.00%	U.S. DEPARTMENT OF EDUCATION	ROBINSON, ROBERT	4071	72,657	30,086	3,396	151,372	257,511	31,234	288,745	12.13%	VMASC
100970-010	No	NORFOLK NAVAL SHIPYARD	ROBINSON, ROBERT	4071	0	2,870	0	0	2,870	918	3,788	32.00%	VMASC
200293-010	No	CITY OF SUFFOLK	ROBINSON, ROBERT	4071	0	0	4,980	13,326	18,306	0	18,306	0.00%	VMASC
200343-010	60.00%	VIRGINIA DEPARTMENT OF EMERGENCY MANAGEMENT	ROBINSON, ROBERT	4071	1,013	0	0	(0)	1,013	557	1,570	55.03%	VMASC
200350-010	No	VIRGINIA DEPARTMENT OF VETERANS SERVICES	ROBINSON, ROBERT	4071	15,696	0	0	0	15,696	1,700	17,396	10.83%	VMASC
200360-010	No	VIRGINIA DEPARTMENT OF VETERANS SERVICES	ROBINSON, ROBERT	4071	259,041	2,398	0	27,416	288,854	79,477	368,331	27.51%	VMASC
300592-010	20.00%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	4071	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300758-010	20.00%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	4071	13,234	412	0	0	13,646	0	13,646	0.00%	VMASC
300767-010	No	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	4071	60,519	1,970	0	0	62,489	0	62,489	0.00%	VMASC
300849-010	No	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	4071	19,632	0	0	0	19,632	0	19,632	0.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
300863-010	80.00%	OLD DOMINION UNIVERSITY	ROBINSON, ROBERT	4071	42,667	39,606	0	0	82,273	0	82,273	0.00%	VMASC
400482-010	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	4071	66,563	114	0	0	66,677	20,270	86,947	30.40%	VMASC
400482-020	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	4071	6,096	978	0	0	7,074	2,150	9,224	30.40%	VMASC
400482-040	No	LIFT TECHNOLOGY OPERATED BY ALMMII	ROBINSON, ROBERT	4071	0	34,300	0	0	34,300	10,427	44,727	30.40%	VMASC
400530-010	50.00%	REINVENT HAMPTON ROADS	ROBINSON, ROBERT	4071	0	17,502	107,980	0	125,482	0	125,482	0.00%	VMASC
500460-010	20.00%	TIM HOILES	ROBINSON, ROBERT	4071	0	0	0	19	19	11	30	55.35%	VMASC
500486-010	20.00%	DELOITTE CONSULTING, LLP	ROY, SANDIP	4071	128	0	0	0	128	77	204	60.00%	VMASC
100905-010	No	NATIONAL SCIENCE FOUNDATION	SHETTY, SACHIN	4054	1,240	0	0	0	1,240	682	1,922	55.00%	VMASC
100938-010	60.00%	ARMY CORPS OF ENGINEERS RESEARCH & DEVELOPMENT CENTER (ERDC)	SHETTY, SACHIN	4071	2,690	15,000	0	492	18,182	11,818	30,000	65.00%	VMASC
100949-010	40.00%	NATIONAL SCIENCE FOUNDATION	SHETTY, SACHIN	4071	2,550	0	0	0	2,550	1,402	3,952	55.00%	VMASC
200329-010	No	VIRGINIA INNOVATION PARTNERSHIP CORPORATION (PREVIOUSLY CIT)	SHETTY, SACHIN	4054	43,769	0	0	0	43,769	13,131	56,899	30.00%	VMASC
300388-010	No	NORFOLK STATE UNIVERSITY	SHETTY, SACHIN	4054	51	0	0	0	51	28	79	54.99%	VMASC
300542-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	35,100	16,968	(106)	69,695	121,657	28,638	150,295	23.54%	VMASC
300609-010	No	UNIVERSITY OF ILLINOIS (ALL CAMPUSES)	SHETTY, SACHIN	4054	(219)	0	0	(0)	(219)	(120)	(339)	54.99%	VMASC
300623-010	40.00%	HOWARD UNIVERSITY	SHETTY, SACHIN	4054	51,163	39,642	0	18,270	109,075	49,943	159,018	45.79%	VMASC
300656-010	60.00%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	18,920	5,280	0	0	24,200	0	24,200	0.00%	VMASC
300663-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	19,393	40,800	0	25,441	85,633	0	85,633	0.00%	VMASC
300692-010	50.00%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	3,893	25,000	0	0	28,893	0	28,893	0.00%	VMASC
300717-001	50.00%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	2,168	7,213	0	0	9,381	0	9,381	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300758-010	5.00%	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	3,309	103	0	0	3,411	0	3,411	0.00%	VMASC
300763-010	No	VA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SHETTY, SACHIN	4054	18,315	7,425	0	0	25,740	0	25,740	0.00%	VMASC
300791-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	1,670	28,680	0	0	30,350	0	30,350	0.00%	VMASC
300792-010	40.00%	GEORGE MASON UNIVERSITY	SHETTY, SACHIN	4071	8,442	11,665	0	0	20,107	0	20,107	0.00%	VMASC
300866-010	No	OLD DOMINION UNIVERSITY	SHETTY, SACHIN	4054	6,126	0	0	17,211	23,337	0	23,337	0.00%	VMASC
400475-010	60.00%	VA TECH ARC	SHETTY, SACHIN	4054	25,732	13,444	0	1,894	41,069	21,546	62,615	52.46%	VMASC
500434-001	50.00%	CIRCADENCE	SHETTY, SACHIN	4054	0	0	0	4,772	4,772	3,103	7,876	65.02%	VMASC
500467-010	40.00%	FRONTIER TECHNOLOGY INC.	SHETTY, SACHIN	4054	165,344	563	0	0	165,907	107,839	273,746	65.00%	VMASC
500486-010	60.00%	DELOITTE CONSULTING, LLP	SHETTY, SACHIN	4071	382	0	0	0	382	229	612	60.00%	VMASC
300640-010	20.00%	OLD DOMINION UNIVERSITY	SHULL, JOHN	4071	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300675-010	20.00%	OLD DOMINION UNIVERSITY	SHULL, JOHN	4071	3,436	86	0	0	3,523	0	3,523	0.00%	VMASC
300707-010	No	OLD DOMINION UNIVERSITY	SHULL, JOHN	4071	(3,492)	5,186	0	0	1,694	0	1,694	0.00%	VMASC
300717-001	40.00%	OLD DOMINION UNIVERSITY	SHULL, JOHN	4071	1,734	5,770	0	0	7,505	0	7,505	0.00%	VMASC
300792-010	30.00%	GEORGE MASON UNIVERSITY	SHULL, JOHN	4071	6,332	8,749	0	0	15,081	0	15,081	0.00%	VMASC
400455-010	No	CENTER FOR MIND AND CULTURE	SHULL, JOHN	4071	31,737	7,837	0	0	39,575	5,936	45,511	15.00%	VMASC
400475-010	20.00%	VA TECH ARC	SHULL, JOHN	4054	8,577	4,481	0	631	13,690	7,182	20,872	52.46%	VMASC
100790-011	10.00%	NAVAL SEA SYSTEMS COMMAND	SMITH, KATHERINE	4071	23,885	0	0	443	24,328	15,525	39,853	63.82%	VMASC
200345-010	40.00%	NEWPORT NEWS PUBLIC SCHOOLS	SMITH, KATHERINE	4071	16,391	0	0	0	16,391	9,015	25,407	55.00%	VMASC
300640-010	20.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	6,597	101	0	0	6,698	0	6,698	0.00%	VMASC
300658-010	33.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	0	0	0	637	637	0	637	0.00%	VMASC
300671-010	25.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	6,665	317	0	0	6,982	0	6,982	0.00%	VMASC
300691-010	33.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	9,312	0	0	228	9,540	0	9,540	0.00%	VMASC
300725-010	25.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	1,491	1,754	0	0	3,245	0	3,245	0.00%	VMASC
300747-010	7.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	11,228	1,459	0	2,205	14,892	1,015	15,907	6.82%	VMASC
300770-010	47.00%	OLD DOMINION UNIVERSITY	SMITH, KATHERINE	4071	26,281	772	0	0	27,054	0	27,054	0.00%	VMASC
500435-030	50.00%	VALKYRIE ENTERPRISES, INC.	SMITH, KATHERINE	4071	29,404	0	0	0	29,404	19,112	48,516	65.00%	VMASC
500448-010	70.00%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	4071	0	0	0	2,456	2,456	1,596	4,052	64.98%	VMASC
500448-020	70.00%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	4071	11,864	0	0	0	11,864	7,712	19,576	65.00%	VMASC
500454-010	25.00%	EPIC GAMES, INC.	SMITH, KATHERINE	4071	4,682	0	0	0	4,682	1,423	6,106	30.40%	VMASC
500484-010	70.00%	DESIGN INTERACTIVE, INC.	SMITH, KATHERINE	4071	16,239	0	0	0	16,239	12,504	28,743	77.00%	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 2023

PROJECT NUMBER	SPLIT	SPONSORING AGENCY	PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTERPRISE CODE
100634-010	No	NAVSUP FLEET LOGISTICS CENTER NORFOLK	WEISEL, ERIC	4071	0	0	0	151	151	54	205	36.00%	VMASC
300592-010	20.00%	OLD DOMINION UNIVERSITY	WEISEL, ERIC	4071	38,888	7,265	0	0	46,153	0	46,153	0.00%	VMASC
300796-010	No	OLD DOMINION UNIVERSITY	WEISEL, ERIC	4071	30,370	4,008	36,833	0	71,211	0	71,211	0.00%	VMASC
300809-010	No	OLD DOMINION UNIVERSITY	WEISEL, ERIC	4071	21,350	0	0	0	21,350	0	21,350	0.00%	VMASC
400193-000	No	#N/A	WEISEL, ERIC	4071	0	24,689	0	0	24,689	0	24,689	0.00%	VMASC
	VIRGINIA MODELING AND SIMULATION CENTER (VMASC)				**5,179,103**	**1,550,848**	**309,651**	**1,765,506**	**8,805,107**	**1,851,368**	**10,656,476**	**21.03%**	
TOTAL ENTERPRISE CENTERS INCLUDING PROJECTS REPORTED AS ACTIVITY OF AN ACADEMIC DEPARTMENT					**7,601,508**	**2,132,899**	**774,785**	**3,752,796**	**14,261,988**	**2,980,103**	**17,242,091**	**20.90%**	

SCHEDULE 6

Sponsored Program Activity

Proposals Submitted and Awards Funded

Fiscal Year 2023 through Fiscal Year 2019

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 23	FY 22	FY 21	FY 20	FY 19	FY 23	FY 22	FY 21	FY 20	FY 19
COLLEGE OF ARTS & LETTERS										
Art	$ 7,000	$ 7,000	$ -	$ -	$ 5,000	$ 7,000	$ 7,000	$ -	$ -	$ 2,250
Communication & Theatre Arts	7,000	144,323	80,200	277,419	383,136	7,000	7,000	20,200	-	-
English	36,250	75,000	821,446	21,000	-	94,188	71,485	249,531	174,540	149,094
History	187,000	250,000	67,000	147,404	-	-	-	7,000	-	-
International Studies	-	-	299,927	1,915	-	-	-	-	-	-
Philosophy & Religious Studies	146,491	92,500	395,000	236,000	25,768	-	92,500	42,580	-	19,220
Political Science & Geography	2,592,450	6,269,743	1,805,693	156,184	3,174,901	532,793	195,313	296,071	159,580	63,475
Sociology & Criminal Justice	4,585,330	1,411,866	796,417	1,448,625	1,293,575	95,359	173,677	50,079	334,955	1,079,904
Women's Studies	-	160,150	-	-	-	27,204	38,300	-	-	-
World Languages & Cultures	120,246	5,500	-	-	-	-	-	-	-	-
Dean's Office	-	-	-	5,000	4,950	-	-	1,000	2,000	2,000
College Total	$ 7,681,767	$ 8,416,082	$ 4,265,683	$ 2,293,547	$ 4,887,330	$ 763,544	$ 585,275	$ 666,461	$ 671,075	$ 1,315,943
% Change from prior year	-8.73%	97.30%	85.99%	-53.07%	101.99%	30.46%	-12.18%	-0.69%	-49.00%	39.94%
Average yearly increase (decrease)	11.44%					-8.40%				
STROME COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION										
Economics	$ 103,708	$ 77,768	$ 269,246	$ 302,411	$ 184,407	$ 152,366	$ 77,768	$ 26,850	$ 111,478	$ 153,732
Finance, Insurance and Real Estate	82,521	23,500	-	-	-	12,000	6,000	-	-	-
Information Systems/Decision Science	436,809	294,704	198,527	211,838	1,147,060	20,000	229,918	218,969	217,720	196,604
Management	-	32,000	1,126,686	149,979	19,325	19,723	95,203	465,922	-	-
Marketing	268,750	236,737	42,500	80,000	569,068	-	30,000	12,500	18,750	-
School of Public Service	543,600	1,052,944	1,327,659	504,015	354,399	166,053	373,620	175,733	178,511	40,734
College Total	$ 1,435,388	$ 1,717,653	$ 2,964,618	$ 1,248,243	$ 2,274,259	$ 370,141	$ 812,509	$ 899,974	$ 526,459	$ 391,070
% Change from prior year	-16.43%	-42.06%	137.50%	-45.11%	-2.86%	-54.44%	-9.72%	70.95%	34.62%	-19.16%
Average yearly increase (decrease)	-7.38%					-1.07%				
DARDEN COLLEGE OF EDUCATION & PROFESSIONAL STUDIES										
Communication Disorders and Special Education	14,464,088	8,133,801	16,575,470	5,597,193	12,497,236	5,487,435	5,507,040	5,069,666	4,780,228	4,965,604
Counseling and Human Services	152,500	1,883,801	3,135,000	817,574	1,281,136	550,000	601,000	327,400	1,262,164	339,269
Educational Foundations and Leadership	1,359,872	9,635,961	1,945,959	4,142,739	1,785,834	948,700	500,804	125,461	257,992	151,612
Human Movement Sciences	1,486,820	3,895,676	3,332,804	2,463,160	1,440,098	1,509,996	787,495	674,749	724,541	59,981
STEM Education and Professional Studies	607,089	1,387,599	1,699,130	1,643,093	1,538,044	103,652	167,698	801,131	56,739	345,267
Teaching and Learning	4,536,193	3,509,080	987,218	1,540,543	2,895,005	1,024,545	514,782	456,419	1,163,600	460,392
Dean's Office	1,708,648	2,245,546	1,197,114	1,184,008	619,314	1,539,268	888,433	1,000,423	593,830	291,720
College Total	$ 24,315,210	$ 30,691,464	$ 28,872,695	$ 17,388,310	$ 22,056,667	$ 11,163,595	$ 8,967,252	$ 8,455,249	$ 8,839,094	$ 6,613,845
% Change from prior year	-20.78%	6.30%	66.05%	-21.17%	48.79%	24.49%	6.06%	-4.34%	33.65%	21.63%
Average yearly increase (decrease)	2.05%					13.76%				

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 23	FY 22	FY 21	FY 20	FY 19	FY 23	FY 22	FY 21	FY 20	FY 19
BATTEN COLLEGE OF ENGINEERING & TECHNOLOGY										
Civil & Environmental Engineering	$ 17,230,434	$ 5,998,289	$ 16,278,678	$ 10,820,001	$ 11,204,420	$ 2,001,016	$ 1,659,644	$ 1,655,545	$ 1,973,951	$ 311,001
Electrical & Computer Engineering	49,290,742	17,639,914	25,045,639	28,154,718	22,941,179	6,120,086	3,499,769	1,773,719	3,160,183	4,411,614
Engineering Management & Systems Engineering	3,296,218	968,258	815,243	1,292,757	5,908,403	339,556	1,176,961	64,500	1,156,104	1,090,196
Engineering Technology	5,686,365	6,878,828	5,462,777	3,794,061	4,781,795	1,334,681	917,357	227,372	1,117,290	1,108,725
Mechanical & Aerospace Engineering	9,075,361	8,463,017	17,166,377	11,327,258	21,313,788	1,869,983	1,122,319	1,408,267	1,492,622	1,830,812
ECE (Former CMSE Projects)	-	13,869,721	13,257,029	14,341,193	11,124,615	450,461	1,538,503	1,951,211	2,240,891	2,099,288
Dean's Office	-	90,000	994,340	2,191,960	3,945,886	-	60,000	38,899	893,231	686,868
College Total	$ 84,579,120	$ 53,908,027	$ 79,020,083	$ 71,921,948	$ 81,220,086	$ 12,115,784	$ 9,974,553	$ 7,119,513	$ 12,034,272	$ 11,538,504
% Change from prior year	56.90%	-31.78%	9.87%	-11.45%	16.96%	21.47%	40.10%	-40.84%	4.30%	8.18%
Average yearly increase (decrease)	0.83%					1.00%				
COLLEGE OF HEALTH SCIENCES										
Communication Sciences/Disorders	$ -	$ -	$ -	$ -	$ -	$ 100,000	$ -	$ -	$ -	$ -
Community & Environmental Health	3,171,633	665,479	3,560,470	1,553,912	2,320,772	470,932	159,714	269,161	200,167	195,175
Dental Hygiene	34,112	177,965	77,757	150,080	378,631	23,312	5,000	18,000	27,080	24,580
Kinesiology	2,974	-	-	-	-	4,174	-	-	-	-
Medical Diagnostic & Translation Sciences	5,941,725	6,256,924	9,297,689	4,488,503	8,367,895	1,864,282	537,776	920,473	527,090	2,054,167
Rehabilitative Sciences	1,668,905	4,112,991	5,451,071	111,128	283,519	46,377	37,572	27,346	45,145	72,727
Dean's Office	808,276	493,251	151,529	2,500	5,000	338,783	-	-	-	35,534
College Total	$ 11,627,625	$ 11,706,610	$ 18,538,516	$ 6,306,123	$ 11,355,817	$ 2,847,859	$ 740,062	$ 1,234,980	$ 799,482	$ 2,382,183
% Change from prior year	-0.67%	-36.85%	193.98%	-44.47%	-3.49%	284.81%	-40.07%	54.47%	-66.44%	60.68%
Average yearly increase (decrease)	0.48%					3.91%				
COLLEGE OF SCIENCES										
Biological Sciences	$ 12,567,916	$ 9,945,012	$ 11,245,141	$ 23,938,562	$ 19,669,550	$ 1,294,787	$ 3,119,505	$ 2,026,865	$ 2,955,001	$ 1,614,083
Center for Coastal Physical Oceanography	1,670,349	3,068,038	10,937,547	932,389	491,479	677,258	455,007	577,163	584,482	491,878
Chemistry and Biochemistry	14,207,669	16,451,850	14,920,122	26,169,341	12,899,711	3,303,243	2,718,091	2,044,733	1,412,480	1,260,811
Computer Science	12,135,048	9,371,571	6,574,651	8,145,059	9,285,954	1,713,005	1,882,972	1,801,096	1,488,819	1,009,917
Mathematics and Statistics	4,693,018	2,172,492	6,304,608	2,841,263	3,621,630	1,631,568	622,620	2,121,697	1,404,096	987,478
Ocean & Earth Sciences	13,958,100	21,921,780	11,726,706	11,267,053	7,595,972	1,975,556	3,404,062	2,579,980	1,043,826	2,701,640
Physics	15,927,595	4,217,825	3,835,206	6,389,451	5,893,239	2,792,727	4,166,483	4,856,722	2,281,495	4,301,120
Psychology	7,046,612	4,851,526	6,446,925	9,345,506	4,398,299	1,389,591	1,444,895	1,595,315	801,818	982,538
Dean's Office	-	374,585	-	250,000	1,824,722	-	-	-	-	-
College Total	$ 82,206,307	$ 72,374,679	$ 71,990,906	$ 89,278,624	$ 65,680,556	$ 14,777,736	$ 17,813,635	$ 17,603,571	$ 11,972,017	$ 13,349,465
% Change from prior year	13.58%	0.53%	-19.36%	35.93%	-12.52%	-17.04%	1.19%	47.04%	-10.32%	-31.54%
Average yearly increase (decrease)	5.03%					2.14%				

SCHEDULE 6

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION
SUMMARY OF PROPOSAL AND AWARD ACTIVITY
FISCAL YEAR 2023 THROUGH FISCAL YEAR 2019

	PROPOSALS SUBMITTED					AWARDS FUNDED				
	FY 23	FY 22	FY 21	FY 20	FY 19	FY 23	FY 22	FY 21	FY 20	FY 19
OFFICE OF RESEARCH AND OTHER UNITS										
Office of Research	$ 7,805,059	$ 225,239	$ 316,081	$ 959,163	$ 51,008	$ 105,045	$ 217,165	$ 342,116	$ 617,047	$ -
VMASC: Virginia Modeling, Analysis & Simulation Center	30,021,660	37,082,650	12,643,758	28,975,513	9,764,942	7,767,412	13,735,454	7,305,530	12,582,223	3,429,836
School of Cybersecurity	1,847,453	2,879,163	5,414,298	-	-	377,046	2,611,475	264,861	-	-
Frank Reidy Research Center for Bioelectrics	17,816,979	13,968,029	12,568,090	8,426,266	8,583,737	259,303	-	2,141,200	1,628,717	3,136,897
Social Science Research Center	2,085,370	1,107,325	856,333	636,770	1,202,714	275,333	358,596	114,520	212,102	200,263
Institute for Innovation & Entrepreneurship	3,211,500	725,637	3,205,668	1,265,484	3,379,780	1,022,503	1,545,510	1,692,429	2,335,548	1,034,847
The Graduate School	129,980	206,089	174,556	199,587	3,225,288	181,089	196,798	151,525	150,698	139,237
Nursing	4,248,529	3,572,954	694,785	5,512,357	4,003,517	887,402	580,496	1,136,587	1,351,763	689,031
Office of Distance Learning	-	119,682	-	-	-	-	-	-	-	-
Center For Educ Partnership	5,477,119	9,177,989	4,072,297	3,478,882	7,686,923	2,006,870	262,377	438,668	2,613,073	999,240
Student Support Services	322,953	1,019,107	-	2,442,982	387,785	1,030,244	438,655	376,155	437,357	1,172,098
University Libraries	-	167,474	22,947	285,588	7,690	153,987	19,672	2,775	-	-
Institute For Coastal Adaptation & Resilience	2,900	-	-	-	-	-	-	-	-	-
Miscellaneous Units	4,387,472	5,009,119	5,237,150	6,888,370	3,897,595	2,110,700	708,422	1,612,745	391,832	257,476
Office of Research and Other Units Total	$ 77,356,975	$ 75,260,457	$ 45,205,963	$ 59,070,962	$ 42,190,979	$ 16,176,935	$ 20,674,620	$ 15,579,111	$ 22,320,360	$ 11,058,925
% Change from prior year	2.79%	66.48%	-23.47%	40.01%	-43.67%	-21.75%	32.71%	-30.20%	101.83%	24.13%
Average yearly increase (decrease)	16.67%					9.26%				
TOTAL UNIVERSITY ACTIVITY	$ 289,202,392	$ 254,074,972	$ 250,858,464	$ 247,507,757	$ 229,665,694	$ 58,215,594	$ 59,567,906	$ 51,558,859	$ 57,162,759	$ 46,649,935
% CHANGE FROM PRIOR YEAR	13.83%	1.28%	1.35%	7.77%	-8.42%	-2.27%	15.53%	-9.80%	22.54%	-1.62%
Average yearly increase (decrease)	5.18%					4.96%				
AFFILIATED UNITS										
VA Tidewater Consortium for Higher Education	$ -	$ -	$ 2,857,975	$ -	$ 306,369	$ -	$ -	$ 571,595	$ 669,884	$ 661,684
VA Space Grant Consortium	4,585,988	3,203,080	5,665,976	9,303,662	3,758,640	4,760,453	3,539,082	3,225,389	3,843,972	1,697,358
Total Affiliated Units	$ 4,585,988	$ 3,203,080	$ 8,523,951	$ 9,303,662	$ 4,065,009	$ 4,760,453	$ 3,539,082	$ 3,796,984	$ 4,513,856	$ 2,359,042
% Change from prior year	43.17%	-62.42%	-8.38%	128.87%	-19.12%	34.51%	-6.79%	-15.88%	91.34%	-15.77%
Average yearly increase (decrease)	2.56%					20.36%				
GRAND TOTAL	$ 293,788,380	$ 257,278,052	$ 259,382,415	$ 256,811,419	$ 233,730,703	$ 62,976,047	$ 63,106,988	$ 55,355,843	$ 61,676,615	$ 49,008,977
% CHANGE FROM PRIOR YEAR	14.19%	-0.81%	1.00%	9.87%	-8.63%	-0.21%	14.00%	-10.25%	25.85%	-2.41%
Average yearly increase (decrease)	5.14%					5.70%				