OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

INDIRECT COST ALLOCATION REPORT COMBINED SUMMARY OF TRADITIONAL, NON-TRADITIONAL AND AFFILIATED ALLOCATION METHODS

SCHEDULE OF DIRECT AND INDIRECT COST RECOVERIES, AND RECOVERY RATES SIX MONTH PERIOD ENDING 6/30/2019

DIRECT COST RECOVERIES	\$ 20,570,999		
	20,010,000		

Old Dominion University Research Foundation Indirect Cost Allocation Report

For the Six-month Period Ended June 30, 2019

Section 1

Traditional Allocation Method

Schedule 1	Summary of Traditional Allocation Method - Direct and indirect cost recoveries and recovery rates for the six-month periods ended June 30, 2019 and prior fiscal year
Schedule 2	Traditional Allocation Method - Indirect Cost Allocations to academic units for the six-month period ended June 30, 2019
Schedule 3	Traditional Allocation Method - Detail Acitvity by College and Department showing the direct and indirect cost recoveries by project for the six-month period ended June 30, 2019

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION ALLOCATION TO ACADEMIC UNITS - TRADITIONAL ALLOCATION METHOD SIX MONTH PERIOD ENDING JUNE 30, 2019

SCHEDULE 2

College	Department	INDIRECT COST RECOVERY	Percentage of Allocation Base	Based on Faculty IDC Productivity 20% \$ 249,345	25%	20%	Total College Allocation \$ 810,372	Office of Research 35% 436,354	TOTAL ALLOCATED \$ 1,246,726
College o	of Arts and Letters English History Political Science and Geography Sociology and Criminal Justice Communications & Theatre Arts Women's Studies	3,48; 7,73; 7,65; 76,74;	3 0.26% 2 0.25% 2.54%	638 630 6,322	797 788 7,902				
Total	College of Arts and Letters	\$ 95,619	3.16%	7,877					

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION ALLOCATION TO ACADEMIC UNITS - TRADITIONAL ALLOCATION METHOD SIX MONTH PERIOD ENDING JUNE 30, 2019

SCHEDULE 2

Based on	Based on	Based on	Total	Office

College									Effective			
	Department				IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator (See note)	Agency Title or Reference	Project # D	ept# RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation 249,345.24	Allocation 311,681.55
College o	f Business & Public A	Administration										
	Info Systoms/	Decision Science										
	iiiio Systeilis/	Decision Science										
BUS	* 2032	HE, W.	NSF COLLABORATIVE RESEARCH: ENHANCING CYBER SECURITY EDUCATION USING POGIL	100621-010	55.00%	2,105.10	1,157.81	3,262.91	55.00%	0.04%	95.38	119.22
BUS BUS	,		NSF COLLABORATIVE RESEARCH: ENHANCING CYBER SECURITY EDUCATION USING POGIL IPA ASSIGN WU HE	100621-010 100731-010	55.00% 0.00%	2,105.10 98,688.16	1,157.81 0.00	3,262.91 98,688.16	55.00% 0.00%	0.04% 0.00%	95.38 -	119.22

College Effective DIRECT INDIRECT TOTAL IDC Department Indirect Allocation Faculty Department Project # Dept #

Principal Investigator Agency Title or Reference

College										Effective			
	Department					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation	Allocation
	•	(See note)										249,345.24	311,681.55

Educational Foundations and Leadership

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION INDIRECT COST REPORT - IDC AD HOC REPORT

College										Effective			
	Department					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator (See note)	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation 249,345.24	Allocation 311,681.55
ENG	4057	GHOSH, D.	ROLE OF DIRECTIONAL POROSITY	100748-010		55.00%	19,371.83	7,729.14	27,100.97	39.90%	0.26%	636.71	795.89
ENG	* 4057	GHOSH, D.	OPPORTUNITIES IN MANF OF ADV MATERIALS SECOND CAREER SEEKING STUDENTS	100738-010		55.00%	18,295.58	3,182.26	21,477.83	17.39%	0.11%	262.15	327.68
ENG	* 4057	HAO, Z.	MONITORING THERAPY FOR CHEST WALL DEFORMITY	400391-010		0.00%	3,327.95	0.00	3,327.95	0.00%	0.00%	-	-
ENG	* 4057	HOU, G.	NSF SOLEAP SOLAR ENGINEERING	100256-010		53.00%	5,361.21	149.03	5,510.24	2.78%	0.00%	12.28	15.35
ENG	* 4057	HOU, G.	EXPLORATION OF ADDITIVE MANUF NAVAL APP EXPED WARFARE	100588-010		65.00%	4,173.37	1,697.13	5,870.49	40.67%	0.06%	139.81	174.76
ENG	* 4057	HOU, G.	OPPORTUNITIES IN MANF OF ADV MATERIALS SECOND CAREER SEEKING STUDENTS	100738-010		55.00%	10,977.35	1,909.35	12,886.70	17.39%	0.06%	157.29	196.61
ENG	* 4057	KAIPA, K.	EAGER: Understanding the Impact of Making on Veterans in Pursuing STEM Degrees	100702-010		55.00%	1,545.86	850.22	2,396.08	55.00%	0.03%	70.04	87.55
ENG	* 4057	KAIPA, K.	SERVICE LEARNING PARTNERSHIP ENG EDUC	100736-010		55.00%	3,322.17	1,827.19	5,149.36	55.00%	0.06%	150.52	188.15
ENG	* 4057	KRAVCHENKO, O.	OPPORTUNITIES IN MANF OF ADV MATERIALS SECOND CAREER SEEKING STUDENTS	100738-010		55.00%	18,295.58	3,182.26	21,477.83	17.39%	0.11%	262.15	327.68
ENG	4057	KRAVCHENKO, O.	FAILURE ANALYSIS BONDED JOINTS AND PROG FAILURE ANALYSIS OF COMPOSITE STRUCTURES	400271-006		26.00%	(670.80)	(174.41)	(845.21)	26.00%	-0.01%	(14.37)	(17.96)
ENG	4057	KRAVCHENKO, O.	COMPUTIONAL MODELING TO INFORM MANUFACTURING OF ADV HYBRID COMP	400373-010		0.00%	25,449.77	0.00	25,449.77	0.00%	0.00%	-	-

K

* 4075 AUDETTE, M.

ENG

College										Effective			
	Department					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation	Allocation
	•	(See note)										249,345.24	311,681.55
	Department	of Computational Modeling ar	nd Simulation Engineering										

249,345.24

331111,668811.5555

College Effective IDC DIRECT INDIRECT TOTAL Department Indirect Allocation Faculty Department COSTS COSTS COSTS Principal Investigator Agency Title or Reference Project # Dept # RATE Rate Percentage Allocation Allocation

(See note)

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College									Effective			
	Department				IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation	Allocation
	•	(See note)									249,345.24	311,681.55
College of So	ciences											
	Dean's Office											
SCI	6080	DAINES, 7 (A)0.5 70c7O75 70c7O75 .7 (7 (A)0C Tc -0.02>BDC /A)0.5 70 (I)0.										

College										Effective			
	Department					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator (See note)	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation 249,345.24	Allocation 311,681.55
	Chemistry and	d Biochemistry											
SCI	6082	BAYSE, C.	NIH_MOLECULAR MODELING OF THE ACTIVITY AND INHIBITION	100646-010		55.00%	32,765.35	15,346.29	48,111.64	46.84%	0.51%	1,264.20	1,580.25
SCI	6082	BAYSE, C.	VIRGINIA ACADEMY OF SCIENCE AWARD	400375-010		0.00%	2,367.39	0.00	2,367.39	0.00%	0.00%	-	-
SCI	* 6082	BAYSE, C.	REU SITE: UNDERGRADUATE RESEARCH OPPORTUNITIES IN CHEMISTRY	100664-010		55.00%	19,865.18	3,064.45	22,929.63	15.43%	0.10%	252.44	315.55
SCI	* 6082	BAYSE, C.	MECHANISTIC INVESTIGATIONS OF HOST DEFENSE METALLOPEPTIDE INTERACTIONS	300522-010		55.00%	688.83	378.86	1,067.69	55.00%	0.01%	31.21	39.01
SCI	6082	BERNATH, P.	NASA INFRARED ABSORPTION MOD#1	100039-010		53.00%	(1,892.31)	(1,002.92)	(2,895.23)	53.00%	-0.03%	(82.62)	(103.27)
SCI	6082	BERNATH, P.	NASA SPECTROSCOPY FOR SUPER-EARTH ATMOSPHERES	100584-010		55.00%	26,201.55	14,410.85	40,612.40	55.00%	0.48%	1,187.14	1,483.92
SCI	6082	BERNATH, P.	NASA_ABSORPTION CROSS SECTIONS FOR THE OUTER PLANETS	100611-010		55.00%	90,866.74	49,362.04	140,228.78	54.32%	1.63%	4,066.35	5,082.93
SCI	6082	BERNATH, P.	SPECTROSCOPY OF ASTRO MOLECULES	100698-010		55.00%	69,969.44	38,483.18	108,452.62	55.00%	1.27%	3,170.17	3,962.71
SCI	6082	CHEN, HONG MEI	CHARACTERIZATION OF NATURAL ORGANIC MATTER BY ADVANCED ANALYTICAL TECHNIQUES	100693-010		55.00%	15,328.70	8,430.79	23,759.49	55.00%	0.28%	694.51	868.14
SCI	6082	DONAT, J.	CBP WQM FY18	300437-010		10.00%	22,774.46	772.28	23,546.74	3.39%	0.03%	63.62	79.52
SCI	6082	DONAT, J.	CBP WQM FY19	300476-010		10.00%	293,948.81	20,802.18	314,750.99	7.08%	0.69%	1,713.64	2,142.05
SCI	* 6082	GREENE, L.	USDA_DESIGNER ALGAE BIOTECHNOLOGY RISK ASSESSMENT	100627-010		42.86%	18,245.71	7,820.11	26,065.82	42.86%	0.26%	644.21	805.26
SCI	6082	GREENE, L.	EXPLORATORY LOOK INTO THE FUTURE: INVESTIGATION ADAPTATION	300440-010		0.00%	572.16	0.00	572.16	0.00%	0.00%	-	-
SCI	6082	HATCHER, P.	NSF_COLLABORATIVE RESEARCH	100597-010		55.00%	26,412.79	12,391.09	38,803.88	46.91%	0.41%	1,020.75	1,275.94
SCI	6082	HATCHER, P.	ADDOMEX 2:TOWARDS SYNTHESIS OF PROCESSES & PATHWAYS OF MARINE OIL SNOW FORMATION	300464-010		55.00%	68,029.40	37,416.18	105,445.58	55.00%	1.24%	3,082.27	3,852.84
SCI	6082	HATCHER, P.	BIOGEOCHEMISTRY OF PHOSPHATE AND CARBON INERACTIONS IN AGROECOSYSTEMS	300466-010		42.85%	32,430.47	13,898.73	46,329.20	42.86%	0.46%	1,144.95	1,431.19
SCI	6082	HOLDER, A.	NSF METAL COMP AND PHOTO WATER	100452-010		53.00%	16,303.21	8,640.70	24,943.91	53.00%	0.29%	711.80	889.75
SCI	* 6082	HOLDER, A.	REU SITE: UNDERGREU S7 (85%)]TJ EMC /P 7 (85%)]TJ EM0.5 (T)-31SC (2)18.4 1D6										

College	Department					IDC	DIRECT	INDIRECT	TOTAL	Effective Indirect	Allocation	Faculty	Department
	• Department	Principal Investigator (See note)	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation 249,345.24	Allocation 311,681.55
	Mathematics	and Statistics											
SCI	6083	BADAVI, F.	IMPLEMENTATION OF A NEW MAGNETIC FIELD DEF INTO THE LEO RADIATION ENVIRO MODEL	100700-010		26.00%	92,689.08	24,099.15	116,788.23	26.00%	0.80%	1,985.24	2,481.55
SCI	6083	CHAGANTY, R.	CBP DATA ANALYSIS SUPPORT FY19	300476-014		10.00%	8,132.56	813.26	8,945.82	10.00%	0.03%	66.99	83.74
SCI	* 6083	DIAWARA, N	VIRGINIA SEAT BELT AND CORE SURVEYS 2019	200282-010		26.00%	17,537.14	4,559.66	22,096.80	26.00%	0.15%	375.62	469.52
SCI	6083	DIAWARA, N.	4-VA STATS IN THE BIOMEDICAL ACCELERATION ON IDIOPATHIC PULMONARY FIBROSIS RSRCH	300493-010		0.00%	4,465.76	0.00	4,465.76	0.00%	0.00%	-	-
SCI	* 6083	DIAWARA, N.	IMPROVING3 (M)20.2 (O)-10.5 (N)-1A<>BDC 12.9-010										

College										Effective			
	Department					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator	Agency Title or Reference	Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation	Allocation
		(See note)										249,345.24	311,681.55
		astal Physical Oceanograph	•										
SCI	6086	ATKINSON, L.	MID-ATLANTIC REGIONAL ASSOCIATION COASTAL OCEAN OBSERVING SYSTEM YR2	300385-020		55.00%	61,839.41	34,011.67	95,851.08	55.00%	1.12%	2,801.81	3,502.27
SCI	6086	ATKINSON, L.	OOIFB CHAIR SUPPORT	300451-010		55.00%	7,546.41	4,150.53	11,696.94	55.00%	0.14%	341.91	427.39
SCI	* 6086	DINNIMAN, M.	COLLAB RESEARCH: IMPACT OF OCEANIC FORCING ON ANTARCTIC PENINSULA GLACIERS	100598-010		55.00%	7,696.84	4,233.26	11,930.10	55.00%	0.14%	348.73	435.91
SCI	* 6086	DINNIMAN, M.	PRODUCTIVITY IN PLYNAS AND THE WESTERN ANTARCTIC PENINSULA	100686-010		55.00%	7,199.41	3,959.68	11,159.08	55.00%	0.13%	326.19	407.74
SCI	* 6086	DINNIMAN, M.	PHYSICAL MECHANISIMS DRIVING FOOD WEB FOCUSING IN ANTARTIC BIOLOGIC HOTSPOTS	100747-010		55.00%	4,280.02	2,354.01	6,634.03	55.00%	0.08%	193.92	242.40
SCI	* 6086	HOFMANN, E.	PRODUCTIVITY IN PLYNAS AND THE WESTERN ANTARCTIC PENINSULA	100686-010		55.00%	7,199.41	3,959.68	11,159.08	55.00%	0.13%	326.19	407.74
SCI	6086	HOFMANN, E.	PREDICTIVE UNDERSTANDING COCHLONDINIUM & ALEXANDRIUM BLOOMS LOWER CHESAPEAKE BAY	100735-011		55.00%	7,683.49	4,225.93	11,909.42	55.00%	0.14%	348.12	435.15
SCI	* 6086	HOFMANN, E.	LOWER JAMES RIVER ESTUARY PROJECT: SURFACE CHLOROPHYLL A DISTRIBUTIONS	200249-011		10.00%	1,196.20	119.70	1,315.90	10.01%	0.00%	9.86	12.33
SCI	* 6086	HOFMANN, E.	LOWER JAMES RIVER ESTUARY PROJECT- EXTENSION	200275-011		10.00%	8,034.02	803.41	8,837.42	10.00%	0.03%	66.18	82.73
SCI	6086	HOFMANN, E.	*PSU SYNERGISTIC POP GROWTH	300279-010		53.00%	9,747.93	5,166.40	14,914.33	53.00%	0.17%	425.60	532.00
SCI	6086	HOFMANN, E.	CONSORT OIL SPILL EXPO PATHWAY COASTAL	300322-010		53.00%	13,681.39	7,251.14	20,932.53	53.00%	0.24%	597.33	746.67
SCI	6086	HOFMANN, E.	PREDICTED IMPACTS OF CLIMATE CHANGE ON ALT. MGT. ACTIONS IN CHESAPEAKE BAY	300399-010		55.00%	11,235.46	6,179.50	17,414.96	55.00%	0.20%	509.06	636.32
SCI	6086	HOFMANN, E.	ADVANCED UNDERSTANDING OF THE BAY WATERSHED PROGRAM	400355-010		0.00%	104.65	0.00	104.65	0.00%	0.00%	-	-
SCI	6086	HOFMANN, E.	PROMOTING MARINE SCIENCE & BAY WATERSHED EDUCAT. THROUGH BOY SCOUT MERIT BADGE	400356-010		0.00%	2,362.50	0.00	2,362.50	0.00%	0.00%	-	-
SCI	6086	KLINCK, J.	COLLAB RES: EFFECT ON INTERNAL CLIMATE VARIABILITY ON SEA LEVEL IN INDIAN OCEAN	100577-010		55.00%	14,154.63	7,785.05	21,939.68	55.00%	0.26%	641.32	801.65
SCI	6086	KLINCK, J.	UNDERSTANDING SEA LEVEL OVER LAST CENTURY: WHAT DO WE REALLY KNOW	100589-010		55.00%	18,457.71	5,532.85	23,990.56	29.98%	0.18%	455.79	569.73
SCI	* 6086	KLINCK, J.	COLLAB RESEARCH: IMPACT OF OCEANIC FORCING ON ANTARCTIC PENINSULA GLACIERS	100598-010		55.00%	7,696.84	4,233.26	11,930.10	55.00%	0.14%	348.73	435.91
SCI	6086	KLINCK, J.	ROLE OF DECADAL CLIMATE VARIABILITY IN GLOBAL AND REGIONAL SEA LEVEL CHANGE	100657-010		55.00%	15,330.07	8,431.54	23,761.61	55.00%	0.28%	694.57	868.22
SCI	6086	KLINCK, J.	CIRCUM-ANTARCTIC OCEAN/SEA ICE/ICE SHELF MODEL CONFIGURATION AND TESTING	100660-010		55.00%	8,606.55	4,733.61	13,340.16	55.00%	0.16%	389.95	487.43
SCI	6086	KLINCK, J.	IDENTIFIYING, QUANTIFYING, AND PROJECTING DECADAL SEA LEVEL CHANGE	100687-010		55.00%	31,352.66	17,259.70	48,612.36	55.05%	0.57%	1,421.82	1,777.28
SCI	* 6086	KLINCK, J.	PHYSICAL MECHANISIMS DRIVING FOOD WEB FOCUSING IN ANTARTIC BIOLOGIC HOTSPOTS	100747-010		55.00%	4,280.02	2,354.01	6,634.03	55.00%	0.08%	193.92	242.40
SCI	* 6086	KLINCK, J.	LOWER JAMES RIVER ESTUARY PROJECT- EXTENSION	200275-011		10.00%	5,356.01	535.60	5,891.62	10.00%	0.02%	44.12	55.15
		* Department Total:				_	255,041.60	127,280.52	382,322.12		4.21%	10,485.12	13,106.42

PAGE 17 OF 21

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ollege											Effective			
	Department	t .					IDC	DIRECT	INDIRECT	TOTAL	Indirect	Allocation	Faculty	Department
		Principal Investigator (See note)	Agency Title or Reference		Project #	Dept #	RATE	COSTS	COSTS	COSTS	Rate	Percentage	Allocation 249,345.24	Allocation 311,681.55
ther Universit	y Units													
	Graduate So	chool												
NIV-OTHER	* 9200	PORTER, B.	CONTINUING TO INCREASE OCCUPANT PROTECTION IN VIRGINIA		200281-010		26.00%	18,554.71	4,824.22	23,378.93	26.00%	0.16%	397.41	496.76
NIV-OTHER	* 9200	PORTER, B.	VIRGINIA SEAT BELT AND CORE SURVEYS 2019		200282-010		26.00%	17,537.14	4,559.66	22,096.80	26.00%	0.15%	375.62	469.52
		* Department Total:						36,091.85	9,383.88	45,475.73		0.31%	773.03	966.28
	Institute for I	nnovation & Entrepreneurship												
NIV-OTHER	9520	FILER, L.	WBC RENEWAL APP		100694-010		26.00%	(0.48)	0.00	(0.48)	0.00%	0.00%	-	-
NIV-OTHER	9520	FILER, L.	OPTION YEAR WORKPLAN 2018-2019		100694-020		26.00%	50,522.03	18,912.01	69,434.04	37.43%	0.62%	1,557.93	1,947.42
NIV-OTHER	* 9520	FILER, L.	50.4079 520)4	695,582.42830700%0162%	952	20 F	ILER. L.	F6.2 (I)	/17.7 (EHI953204 (-E	E17F7LEFR41L5 (AA1	7.7 (N141.5	EEE8.25(1)7D7 4117.EU	N NEEKOOTERIEESKIUT 1741	:E) 95490(-R)0416

Section 2

Non-Traditional and Affiliated Allocations

Schedule 1	Summary of Non-Traditional and Affiliated Allocations - Direct and indirect cost recoveries and recovery rates for the six-month periods ended June 30, 2019 and prior fiscal year
Schedule 2	Non-Traditional and Affiliated Allocation Method - Indirect Cost Allocations to centers, self-supporting research positions and other affiliated units for the six-month period ended June 30, 2019
Schedule 3	Non-Traditional and Affiliated Allocation Method - Detail Acitvity by center, department and affiliated unit showing the direct and indirect cost recoveries by project for the six-month period ended June 30, 2019

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

SCHEDULE OF DIRECT AND INDIRECT COST RECOVERIES, AND RECOVERY RATES SIX MONTH PERIODS ENDING 06/30/2019, 12/31/18 AND PRIOR FISCAL YEAR SCHEDULE 1

NON-TRADITIONAL ALLOCATION METHOD

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION NON-TRADITIONAL ALLOCATION METHOD - ALLOCATION TO CENTERS AND AFFILIATED UNITS SIX MONTH PERIOD ENDING JUNE 30, 2019 SCHEDULE 2

terprise Centers and Self Supporting		
Research Projects		
FFILIATED ALLOCATION		

SSRP & ENTERPRISE CENTER ACTIVITY

ENTITY	PI	IIILE
SOCIAL SCIEN	CE RESEARCH CENTER	
SSRC	VANDECAR-BURDIN, T.	2018 SURVEY SCANNING
SSRC	VANDECAR-BURDIN, T.	LIFE IN HR OVERSAMPLE
SSRC	VANDECAR-BURDIN, T.	ODU/DBHDS FAMILY SURVEY AND QMR
SSRC	VANDECAR-BURDIN, T.	2019 DBHDS FAMILY SURVEY

SCHEDULE 3 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION For the Six-Month Period Ending June 30, 2019

SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT

	TITLE	PROJ * See note	HOME DEPT	IDC RATE	DIRECT COSTS	LESS:ADJ FOR MTDC	MODIFIED DIRECT COSTS	EQUIP	OTHER EXPEND	INDIRECT COSTS	FOUNDATION FEE IDC	ODU DEDUCTION	INDIRECT COSTS ALLOCATED
RCH CENTER													
R-BURDIN, T.	2018 SURVEY SCANNING	200285-010	1060	-	53.20	53.20	•	-	53.20	-	-	•	•
R-BURDIN, T.	LIFE IN HR OVERSAMPLE	200295-010	1060	55.00	891.89		891.89			490.54	210.94	77.55	202.05
R-BURDIN, T.	ODU/DBHDS FAMILY SURVEY AND QMR	300312-010	1060	5.00	(914.98)	-	(914.98)	-	•	(45.75)	(19.67)	(7.23)	(18.85)
R-BURDIN, T.	2019 DBHDS FAMILY SURVEY	300513-010	1060	5.00	29,968.70	-	29,968.70	-	•	1,498.44	644.37	236.88	(M94 46 29,968

SCHEDULE 3 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION For the Six-Month Period Ending June 30, 2019

SSRP & ENTERPRISE CENTER ACTIVITY

							SUMMAR	Y FOR NON-TRADITION.						
				HOME	IDC			MODIFIED						INDIRECT
ACTIVITY / ENTITY	PI	TITLE	PROJ	DEPT	RATE	DIRECT	LESS:ADJ FOR MTDC	DIRECT COSTS	EQUIP	OTHER EXPEND	INDIRECT COSTS	FOUNDATION FEE IDC	ODU DEDUCTION	COSTS ALLOCATED
	RESEARCH CENTER FO	D RIOFI FCTDICS	* See note			C0313	FOR WIDC	C0313	EQUIP	EXPEND	00515	FEE IDC	DEDUCTION	ALLOCATED
CBE	BEEBE, S.	NANOSECOND PULSED ELECTRIC FIELDS FOR IMMUNO-ONCOLOGY APPLICATIONS	* 300427-010	4073	30.00	13.063.94	5.000.00	8.063.94	_	5.000.00	2.419.18	1.040.31	382.44	996.43
CBE	BEEBE, S.	NANOSCEOND PULISED ELECTRIC FIELDS FOR IMMUNO-ONCOLOGY APPLICATIONS	* 300427-910	4073	30.00	7.368.11	3,000.00	7.368.11		3,000.00	2,419.10	950.54	349 44	910.46
CBE	BEEBE, S.	NANOPULSE STIMULATION & IMMUNE MODULATORS TO ENHANCE ANTI-TUMOR IMMUNE RESPONSE	* 500226-013	4073	55.00	13.929.89	-	13,929.89	-	-	7.661.44	3.294.61	1.211.16	3.155.67
CBE	BULYSHEVA. A.	BIOFABRICATION OF REGENERATIVE MUSCULOSKELETAL THERAPEUTICS	300474-010	4054.2	30.00	287.095.79	248,750.00	38.345.79	=	248,750.00	11.503.75	4.946.90	1.818.57	4.738.28
							246,750.00		•	246,750.00				
CBE	BULYSHEVA, A.	THERMAL ASSISTED GENE ELECTRO	* 100517-010	4054.2	53.00	8,460.73	•	8,460.73	•	•	4,484.19	1,928.31	708.88	1,847.00
CBE	BULYSHEVA, A.	HUGENTRA INJECTIONS FOR THE TREATMENT OF MYOCARDIAL INFARCTION	* 300487-010	4054.2	30.00	23,585.30	3,750.00	19,835.30	-	3,750.00	5,950.60	2,558.90	940.70	2,451.00
CBE	BULYSHEVA, A.	HUGENTRA INJECTIONS FOR THE TREATMENT OF MYOCARDIAL INFARCTION	* 500381-010	4054.2	30.00	28,405.90	6,972.50	21,433.40	3,222.50	3,750.00	6,430.03	2,765.07	1,016.49	2,648.47
CBE	CATRAVAS, J.	ANTIDOTES AGAINST HYDROCHLORIC ACID-INDUCED CHRONIC LUNG INJURY	100692-010	5056.2	55.00	52,157.64		52,157.64			28,686.70	12,336.00	4,534.93	11,815.77
CBE	CATRAVAS, J.	ANTIDOTES AGAINST MUSTARD - INDUCED CHRONIC LUNG INJURY	100789-010	5056.2	55.00	94,246.07		94,246.07	-		51,835.34	22,290.49	8,194.37	21,350.48
CBE	CATRAVAS, J.	ENDOTHELIAL BARRIER-PROTECTIVE EFFECTS OF SELEPRESSIN	600210-010	5056.2	55.00		(60.00)	60.00	-	(60.00)	16.50	7.10	2.61	6.79
CBE	CHEN, HAI LAN	EndoDecon: Cold Gas Plasma Decontamination of Flexible Endoscopes	* 600186-010	4073	53.00	(3,949.03)		(3,949.03)	-	-	(2,092.98)	(900.04)	(330.87)	(862.07)
CBE	GUO, S.	THERMAL ASSISTED GENE ELECTRO	* 100517-010	5056	53.00	8,460.73		8,460.73	-	-	4,484.19	1,928.31	708.88	1,847.00
CBE	GUO, S.	ABSCOPAL EFFECT OF NANOSECOND PULSE TUMOR ABLATION FOR METASTATIC BREAST CANCER	* 100732-010	4073	55.00	31,620.76		31,620.76			17,391.42	7,478.74	2,749.32	7,163.36
CBE	GUO, S.	NANOSECOND PULSED ELECTRIC FIELDS FOR IMMUNO-ONCOLOGY APPLICATIONS	* 300427-010	4073	30.00	13,063.94	5,000.00	8,063.94	-	5,000.00	2,419.18	1,040.31	382.44	996.43
CBE	GUO, S.	NANOSCEOND PULSED ELECTRIC FIELDS FOR IMMUNO-ONCOLOGY APPLICATIONS	* 300427-910	4073	30.00	7,368.11		7,368.11			2,210.44	950.54	349.44	910.46
CBE	GUO, S.	TARGET ADIPOSE TISSUE IN THE TREATMENT OF OBESITY USING PPA	* 500226-011	4073	55.00	(138.80)		(138.80)			(76.34)	(32.83)	(12.07)	(31.44)
CRE														

SCHEDULE 3 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION For the Six-Month Period Ending June 30, 2019

VIRGINIA MODELING AND SIMULATION CENTER

							SUMMARY F	OR NON-TRADITIONA						
					IDC			MODIFIED						INDIRECT
ACTIVITY / ENTITY	PI	TITLE	* See note	PROJ DEPT	RATE	DIRECT	LESS:ADJ FOR MTDC	DIRECT	EQUIP	OTHER EXPEND	INDIRECT COSTS	FOUNDATION FEE IDC	ODU DEDUCTION	COSTS ALLOCATED
			" See note						EQUIP	EXPEND				
VMASC	PADILLA, J.	NSU: CENTER OF EXCELLENCE IN CYBER SECURITY		300328-010 4071	53.00	47,890.21	-	47,890.21	-	-	25,381.82	10,914.82	4,012.48	10,454.52
VMASC	PADILLA, J.	HEALTH DYNAMICS IN PROTRACTED REFUGEE	*	300445-010 4071	-	(313.98)	•	(313.98)	-	•	•	Ē	•	•
VMASC	PAPELIS, Y.	AN EXAMINATION OF TRUST EXHIBITED BY MEMBERS OF DIFFERENT CULTURES TOWARD	*	100521-010 4071	26.00	(553.80)		(553.80)	-		(143.99)	(61.92)	(22.76)	(59.31)
VMASC	PAPELIS, Y.	PROF DEVELOPMENT PRESCHOOL CHILDREN WITH DISABILITIES	*	100601-010 4071	26.00	49,721.55	9,583.94	40,137.61	-	9,583.94	10,435.78	4,487.65	1,649.74	4,298.39
VMASC	PAPELIS, Y.	VR ENABLED LEARNING SYSTEM		300518-010 4071	4.00	10,371.92	•	10,371.92	-	•	414.88	178.41	65.59	170.88
VMASC	PAPELIS, Y.	SYSTEM OF SYSTEMS OPERATIONAL ANALYSIS		500341-001 4071	55.00	(36.68)	0.01	(36.69)	-	0.01	(20.18)	(8.68)	(3.19)	(8.31)
VMASC	PAPELIS, Y.	NAV SUITE CERT M&S TECH SUPPORT		500342-001 4071	65.00	5,261.82	5,261.82		-	5,261.82	3,420.44	1,470.88	540.72	1,408.84
VMASC	PAPELIS, Y.	OPTIMIZED UNMANNED SURFACE VEHICLE INSTRUMENT		500350-010 4071		7,985.11		7,985.11	-		-	-		
VMASC	PARODI, V.	EXTENSION OF ROLE 2 ASSESSMENT VALIDATION	*	300446-010 4071	-	(633.97)		(633.97)	-	-	-	=		-
VMASC	PARODI, V.	ADDRESSING THE OPIOID CRISIS WITH DATA ANALYTICS AND VISUALIZATION	*	300490-010 4071	-	4,311.26	-	4,311.26	-	-	-	=		
VMASC	RECHOWICZ, K	REPURPOSING COMPUTATIONAL ANALYSES OF TACTICS		500368-010 4071	65.00	(831.00)		(831.00)	-	-	(540.15)	(232.28)	(85.39)	(222.48)
VMASC	RECHOWICZ, K	REPURPOSING COMPUTATIONAL ANALYSES OF TACTICS OPTION		500368-020 4071	65.00	11,591.07	-	11,591.07	-	-	7,534.19	3,239.89	1,191.04	3,103.26
VMASC	ROBINSON, R.	HAMPTON ROADS CYBER COLLABORATION	*	300462-010 4071	-	316,212.17	243,231.76	72,980.41	-	243,231.76	-	=		-
VMASC	SANDY, M.	HAMPTON ROADS CYBER COLLABORATION: FUNDS SUB- AWARDED TO VSGC		300462-011 9701	-	20,678.76	15,150.79	5,527.97	-	15,150.79	-	=		
VMASC	SANDY, M.	HAMPTON ROADS CYBER COLLABORATION: FUNDS SUB-AWARDED TO VSGC YEAR 2		300462-021 9701	-	2,980.41	2,980.41	-	-	2,980.41	-	=		
VMASC	SHETTY, S.	DATA PROVENANCE ASSURANCE IN CLOUD USING BLOCK CHAIN		100617-010 4075	55.00	-	-	-	-	-	(0.65)	(0.28)	(0.10)	(0.27)
VMASC	SHETTY, S.	DATA PROVENANCE ASSURANCE IN CLOUD USING BLOCK CHAIN		100728-010 4075	55.00	122,737.14	32,339.80	90,397.34	-	32,339.80	49,718.56	21,380.23	7,859.74	20,478.59
VMASC	SHETTY, S.	CYBER RISK SCORING AND MITIGATION		200273-010 4075	30.00	61,716.85	-	61,716.85	-	-	18,515.07	7,961.94	2,926.95	7,626.18
VMASC	SHETTY, S.	CENTER FOR EXCELLENCE IN CYBER SECURITY		300388-010 4075	55.00	31,900.34	-	31,900.34	-	-	17,545.19	7,544.87	2,773.63	7,226.69
VMASC	SHETTY, S.	CYBER RESILIENT ENERGY DELIVERY CONSORTIUM		300390-010 4075	55.00	67,507.69	27,302.20	40,205.49	-	27,302.20	22,113.03	9,509.16	3,495.73	9,108.14
VMASC	SHETTY, S.	NATIONAL CRITICAL INFRASTRUCTURE RESILIENCE CENTER OF EXCELLENCE		300397-010 4075	55.00	275.00		275.00	-		151.25	65.04	23.91	62.30
VMASC	SHETTY, S.	COMPREHENSIVE RISK ASSESSMENT FOR BUSINESS CONTINUITY		300514-010 4075	26.00	31,281.01	-	31,281.01	-	-	8,133.06	3,497.42	1,285.71	3,349.93
VMASC	SHETTY, S.	BLOCKCHAIN EMPOWERED NETWORKED DEVICE IDENTIFICATION MANAGEMENT		400358-010 4075	55.00	99,136.97	-	99,136.97	-	-	54,525.34	23,447.26	8,619.62	22,458.46
VMASC	SHULL, J.	IPOET		500391-010										

SCHEDULE 3 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION For the Six-Month Period Ending June 30, 2019

SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT IDC DEPT RATE MODIFIED DIRECT INDIRECT FOUNDATION IDC ACTIVITY / PI TITLE PROJ DIRECT LESS:ADJ FOR MTDC OTHER EXPEND INDIRECT ODU COSTS ENTITY COSTS EQUIP COSTS FEE DEDUCTION ALLOCATED * See note COSTS THE CENTER FOR EDUCATIONAL PARTNERSHIPS PREPARING STUDENTS FOR CAREERS IN COMPUTER SCIENCE & MATH
COLLEGE ACCESS CORPS IMPACT EVALUATION
ONE IMPROVING HIGH SCHOOL STEM EDUCATION IN PHYSICS
CPS SWAP EVALUATION
COLLEGE ACCESS CORPS IMPACT EVALUATION
VOYAGES & DISCOVERIES: CROSS-GMRTNL REFLECTIONS ON THE SIG OF SPACE EXPLRTON BROBST, J. BROBST, J. CHAPPELL, S. CHAPPELL, S. 2,216.68 175.14 411.76 TCEP TCEP TCEP TCEP TCEP 3048 3048 3048 3048 3048 3048 55.00 5.26 36.00 9,372.31 7,742.94 2,659.79 3,856.73 9,372.31 7,742.94 2,659.79 3,856.73 5,154.77 407.29 957.52 2,123.20 167.76 394.39 300503-010 814.89 64.39 151.37 300502-010 100721-010 200213-010 CHAPPELL, S. GARNER, J. 300502-010 200009-022 5.26 7,742.94 2,219.49 7,742.94 407.29 175.14 64.39 167.76

TCEP

GARNER, J.

SCHEDULE 3 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION For the Six-Month Period Ending June 30, 2019

VIRGINIA SPACE GRANT CONSORTIUM

SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT
MODIFIED

					IDC			MODIFIED							INDIRECT
ACTIVITY	/ PI	TITLE	PROJ	DEPT	RATE	DIRECT	LESS:ADJ	DIRECT		OTHER	INDIRECT	FOUND	ATION	ODU	COSTS
ENTITY			* See note			COSTS	FOR MTDC	COSTS	EQUIP	EXPEND	COSTS	FEE	IDC	DEDUCTION	ALLOCATED
	VIRGINIA SPA	CE GRANT CONSORTIUM													
VSGC	CARTER, C.	GEOSPATIAL TECHNICIAN EDUC UNMANNED AIRCRAFT SYSTEMS	100607-010	9701	26.00	118,234.38	47,868.62	70,365.76	-	47,868.62	18,295.08		6,403.28		11,891.80
VSGC	CARTER, C.	PROVIDE GEOSPATIAL SERVICES STUDENT INTERNSHIPS THROUGH CSIIP	500323-010	9701	26.00	771.87		771.87	-		200.69		70.24		130.45
VSGC	SANDY, M.	FAA RUNWAY DESIGN MOD#16	100419-010	9701	42.00	(0.05)		(0.05)	-	98,525.92	150,882.19	-	98,525.92	-	
VSGC	SANDY, M.	VASTS/VESSS ACCOUNT	200005-011	9701		60,110.75	45,276.17	14,834.58		45,276.17				-	
VSGC	SANDY, M.	SCHEV SCHOLARSHIPS&FELLOWSHIPS	200009-010	9701	-	165,921.58	165,921.58	-	-	165,921.58	-		-	-	-
VSGC	SANDY, M.	SCHEV STATE STEM PROJECTS	200009-020	9701	-	83,431.41	74,232.04	9,199.37	-	74,232.04			-		
VSGC	SANDY, M.	STATE COUNCIL OF HIGHER EDUCATION FOR VIRGINIA FUNDS - AVIATION PILOT TRAINING	200278-010	9701	-	16,248.82	12,593.31	3,655.51	-	12,593.31			-		
VSGC	SANDY, M.	UVA ON-CAMPUS STEM PROGRAMS	300030-010	9701	-	54,522.15	671.53	53,850.62	-	671.53	-		-	-	-
VSGC	SANDY, M.	VT COMMONWEALTH STEM INDUSTRY	300040-010	9701	-	136,283.93	5,672.20	130,611.73	-	5,672.20			-		
VSGC	SANDY, M.	ODU VA SPACE COAST ACADEMY	300125-010	9701	-	150,450.33	42,168.09	108,282.24	-	42,168.09			-		
VSGC	SANDY, M.	HU VA EARTH SYSTEMS SCIENCE SCHOLARS	300342-010	9701	26.00	29,507.01		29,507.01	-		7,671.82		2,685.14		4,986.68
VSGC	SANDY, M.	STEM TAKES FLIGHT AT VCCS	300419-010	9701	-	58,695.54	58,500.00	195.54	-	58,500.00			-		
VSGC	SANDY, M.	NAS ACRP GRAD RESEARCH AWARD MOD#2	400204-010	9701	26.00	179,832.76	74,908.01	104,924.75	-	74,908.01	27,280.43		9,548.15		17,732.28
VSGC	SANDY, M.	UNDERGRAD STUDENT INSTRUMENT PROJECT	* 100595-010	9701	26.00	3,512.14	1,578.78	1,933.36	-	1,578.78	502.67		175.93		326.74
VSGC	SANDY, M.	UNDERGRAD STUDENT INSTRUMENT PROJECT	* 100595-011	9701	-	372.24		372.24	-		-				
					\$	1,737,887.57	\$ 870,633.38 \$	867,254.19	\$ -	\$ 870,633.38					

Section 3
Sponsored Program Expenditures
Combined Schedule of Project Activity - Detail Schedule of direct and indirect cost recoveries by individual project for the six-month period ended June 30, 2019

PROJECT		PRINCIPAL INVESTIGATOR /		PERSONNEL AND	SUPPLIES, CONTRACTUAL.	DIECT DIRECT COS	STIPENDS, SUBCONTRACTS.	TOTAL DIRECT	REIMBURSED	AND FEES	TOTAL PROJECT	EFFECTIVE INDIRECT	ENTER-PRISE
NUMBER Dean's Office	SPONSORING AGENCY	PROJECT DIRECTOR	DEPT	FRINGE BENEFITS	GENERAL, & TRAVEL	EQUIPMENT	TUITION, OTHER	COSTS	INDIRECT COSTS	SPECIAL FEES	COSTS	COST RATE	CODE
200279-010	NORFOLK COMMISSION ON THE ARTS & HUMANITIES	STRAWN, C.	1010	-	1,999.00	-	-	1,999.00	-		1,999.00		TRAD TRAD

					PRO	DIECT DIRECT COS			PROJECT IDC A	ND FEES			
PROJECT NUMBER		PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR	DEPT	PERSONNEL AND FRINGE BENEFITS	SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL	EQUIPMENT	STIPENDS, SUBCONTRACTS, TUITION, OTHER	TOTAL DIRECT COSTS	REIMBURSED INDIRECT COSTS	SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	ENTER-PRISE CODE
STROME COLI	LEGE OF BUSINESS		•										
Information Tec	chnology/Decision Sciences												
100621-010 *	NATIONAL SCIENCE FOUNDATION	HE, W.	2032	2,105.10	-	-		2,105.10	1,157.81		3,262.91		TRAD
100731-010	NATIONAL SCIENCE FOUNDATION	HE, W.	2032	98,688.16	-	-	-	98,688.16	065-0.0003 T¢6≴5-B00.50(\$)€	BER00.0037W.5)BI	5R()6.578):360(B)0.5 ())]3.155	17 0:08 -)02517)006:	5)0095(7)]TJ1\$(T)0/1816883358

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

PROJECT IDC AND FEES

SUPPLIES,
PERSONNEL AND CONTRACTUAL,
FRINGE BENEFITS GENERAL, & TRAVEL EQUIPMENT STIPENDS, PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR SUBCONTRACTS, TUITION, OTHER TOTAL DIRECT COSTS REIMBURSED INDIRECT COSTS SPONSORING AGENCY DEPT

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION INDIRECT COST ALLOCATION REPORT

				1		ROJECT DIRECT COS			PROJECT IDC AI	ND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTER-PRISE CODE
Counseling and	Human Services												
100689-020 *	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	KEMER, G.	3047	8,124.57	-	-	15,488.31	23,612.88	649.97		24,262.85		TRAD
100689-020 *	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	MOE, J.	3047	13,927.84	-	-	26,551.39	40,479.23	1,114.23		41,593.46		TRAD
300349-010	EASTERN VIRGINIA MEDICAL SCHOOL	REHFUSS, M.	3047	14,304.44	-	-	4,863.00	19,167.44	1,144.37		20,311.81		TRAD
100689-020 *	U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES	REHFUSS, M.	3047	14,508.17	-	-	27,657.70	42,165.87	1,160.66		43,326.520	JTd [()0.5()0.	.5 ()01()0.5 ()0.6 ()0.5

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

PROJECT DIRECT COST PROJECT IDC AND FEES

PROJECT PRINCIPAL INVESTIGATOR / NUMBER SPONSORING AGENCY

						DJECT DIRECT COS			PROJECT IDC A	ND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTER-PRISE CODE
Electrical and C	Computer Engineering - ARC - Applied Research Center												
500121-010	MICROXACT, INC.	BAUMGART, H.	4054.1	-	-	-	(15,114.73)	(15,114.73)	(3,929.83)		(19,044.56))	
100567-020	LANGLEY RESEARCH CENTER	ELSAYED-ALI, H.	4054.1	9,443.36	245.00	-	-	9,688.36	2,518.96		12,207.32		ARC
100674-010	NATIONAL SCIENCE FOUNDATION	ELSAYED-ALI, H.	4054.1	31,078.73	2,087.85	-	-	33,166.58	18,241.62		51,408.20		ARC
300467-010	UNIVERSITY OF VIRGINIA	ELSAYED-ALI, H.	4054.1	7,865.58	409.37	-		8,274.95	37 5.6 (S	50. ()0.49.2 (AQT.	5)/4F688.2 (AQT83 Tw F6	88.2 (AQAB2C3	502 (AQT.5)/46.0)0Td3/

					PRO	DJECT DIRECT COS	T .		PROJECT IDC A	ND FEES		
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT ENTER-PRISE COST RATE CODE
Mechanical an	d Aerospace Engineering											
100725-011	OFFICE OF NAVAL RESEARCH	ALBERTS, T.	4057	6,794.38	229.75	-	-	7,024.13	1,826.28		8,850.41	TRAD
100595-010 *	NASA GODDARD SPACEFLIGHT CENTER	ASH, R.	4057	-	19.73	-	16.11	35.84	5.13		40.97	TRAD
100595-011 *	NASA GODDARD SPACEFLIGHT CENTER	ASH, R.	4057	-	3.80	-	-	3.80	-		3.80	TRAD

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

					PRO	DJECT DIRECT COS			PROJECT IDC A	ND FEES	·		
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT ENTER- COST RATE COL	
Engineering Tea	chnology												
100630-010 *	NATIONAL SCIENCE FOUNDATION	AYALA, O.	4059	27.46	662.38	-	-	689.84	379.41		1,069.26	TRAD	
100736-010 *	NATIONAL SCIENCE FOUNDATION	AYALA, O.	4059	3,137.11	185.06	-	-	3,322.17	1,827.19		5,149.36	TRAD	
400335-010	ACS PETROLEUM RESEARCH FOUNDATION	AYALA, O.	4059	3,441.91	-	-	-	3,441.91	-		3,441.91	TRAD	
400070 040 +	MARK PONIMIES (201) CHRITED STORY I DISTA INCENSIVE NOT	THE INVESTIGATION OF THE PROPERTY OF THE PROPE	(NOUT L EMO	(D (MOID 070 DD0	0.040 T- 0\0.5 (\0.0 (\0.0	F (447)(004 To 00 4)	0 10 0 (10 F (447)(004 To	. 00 40 100E) 0 000E0 T		04) (444 5 (04) (44	4 F (04) (444 V/T)D ((0)	444 5 (DO 5 (VIT L 00FO T	T 0 F 00

400376-010 * **C.GANIADINAMERA[STH] GENETERI FJORRIADIVA/NOIC EZDIDONNIMIRA/GRIBUSING**)-6.2 (A)-2.9 (CT)-6.3 (URI)-2.3.5 (NG)]TJ EMC /P <</MCID 279 >>BDC 0.012 Tc 0)0.5 ()0.6 ()0.5 (447X021 Tw 32.10)03E)-2.802F0 Td [(3.)-14.5 (91) (44

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION INDIRECT COST ALLOCATION REPORT

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

PROJECT IDC AND FEES

SUPPLIES,
PERSONNEL AND CONTRACTUAL,
FRINGE BENEFITS GENERAL, & TRAVEL EQUIPMENT STIPENDS, PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR SUBCONTRACTS, TUITION, OTHER TOTAL DIRECT COSTS REIMBURSED INDIRECT COSTS SPONSORING AGENCY DEPT

						DJECT DIRECT COS			PROJECT IDC A	ND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTER-PRISE CODE
OLLEGE OF	SCIENCES												
Biological Scien	nces												
00550-030	U.S. PUBLIC HEALTH SERVICE (NATIONAL INSTITUTES OF H	EALTI DAINES, D.	6080	12,554.36	12,258.55	-		24,812.91	13,150.85		37,963.76		TRAD
			6080 Total	12,554.36	12,258.55	-	-	24,812.91	13,150.85	-	37,963.76	53.00%	
siological Scien	nces												
00715-010	NATIONAL SCIENCE FOUNDATION	BARSHIS, D.	6081	3,757.70	130.07	-	479.62	4,367.39	1,010.82		5,378.21		TRAD
00344-010	US-ISRAEL BINATIONAL SCIENCE FOUNDATION	BARSHIS, D.	6081	-	10,058.30	-		10,058.30	1,508.75		11,567.05		TRAD
100390-010	PAUL G ALLEN FAMILY FOUNDATION	BARSHIS, D.	6081	4,355.36	5,137.60	-		9,492.96	-		9,492.96		TRAD
00688-010 *	NATIONAL SCIENCE FOUNDATION	BARSHIS, D.	6081	8,357.06	8,479.78	-	2,042.77	18,879.62	4,377.58		23,257.20		TRAD
00603-010	NATIONAL SCIENCE FOUNDATION	BARTOL, I.	6081	12,676.91	8,321.15	-	-	20,998.06	11,548.95		32,547.01		TRAD 547.01

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

							_0.0						
						DJECT DIRECT COS			PROJECT IDC A	ND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS		ER-PRISE
Chemistry and	Biochemistry												
100646-010	U.S. PUBLIC HEALTH SERVICE (NATIONAL INST	TTUTES OF HEALTH BAYSE, C.	6082	23,221.35	4,681.00	-	4,863.00	32,765.35	15,346.29		48,111.64	TRAD	
400375-010	VIRGINIA ACADEMY OF SCIENCE	BAYSE, C.	6082	2,367.39	-	-	-	2,367.39			2,367.39	TRAD	
100664-010 *	NATIONAL SCIENCE FOUNDATION	BAYSE, C.	6082	5,399.23	172.50	-	14,293.45	19,865.18	3,064.45		22,929.63	TRAD	
300522-010 *	COLLEGE OF WILLIAM AND MARY	BAYSE, C.	6082	688.83	-	-	-	688.83	378.86		1,067.69	TRAD	
100039-010	NASA GODDARD SPACEFLIGHT CENTER	BERNATH, P.	6082	(1,892.31)	-	-	-	(1,892.31)	(1,002.92)		(2,895.23)	TRAD	
100584-010	NASA GODDARD SPACEFLIGHT CENTER	BERNATH, P.	6082	24,865.00	1,336.55	-	-	26,201.55	14,410.85		40,612.40	TRAD	
100611-010	NASA GODDARD SPACEFLIGHT CENTER	BERNATH, P.	6082	81,054.03	8,695.11	-	B ⊟R1NA∏64 ,7.	.3.2 (L)-6170 (I)-6220,54 (G))01.6	[04]0.5 ()0.5 ()0B6E1R]NOAST[1)07.5.(2)0(L)95(D1)]11()+2	26EM4C(G)&P-{()1010SID(4)055.5</td <td>4(1)20167(10)]TJ EMC</td> <td>/P <</td>	4(1)20167(10)]TJ EMC	/P <

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FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

PERSONNEL AND
PROJECT DIRECT COST
SUPPLIES,
PERSONNEL AND
FRINGE BENEFITS
GENERAL, & TRAVEL PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR SPONSORING AGENCY DEPT

PROJECT IDC AND FEES

					PROJECT DIRECT COST						PROJECT IDC AND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	ENTER-PRISE CODE	
100656-010 *	NASA GODDARD SPACEFLIGHT CENTER	HILL, V	6085	13,331.76	1,980.09	-	-	15,311.85	8,421.52		23,733.37	Т	ΓRAD	
300498-010 *	VA INSTITUTE OF MARINE SCIENCE (VIMS)	HILL, V	6085	13,107.76	32.58	-	-	13,140.34	7,227.19		20,367.53	Т	ΓRAD	
100604-010	NATIONAL SCIENCE FOUNDATION	HILL, V.	6085	14,016.48	3,722.22	17,216.04	-	34,954.74	9,975,6,)27.5	(6 -0.0608Ec 0.0	03 Tw 12.23.U0U3 ()0.5 I	(216.)-11.5 (53)]T.	J 0 Tc 0.012 Tw1-	

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION INDIRECT COST ALLOCATION REPORT

SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019 PROJECT DIRECT COST SUPPLIES,

PROJECT IDC AND FEES

STIPENDS, PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR PERSONNEL AND CONTRACTUAL,
FRINGE BENEFITS GENERAL, & TRAVEL EQUIPMENT \$E)2297(27)77,1/12 & (13232 4 (7:8)163)24)7x627 \$0 50 63:16(U)76352 :2370.56())295(0)5286(0)F289)E(207)12.9 ((90.0)x(0))6293 4(8E)62()120.0 (1620)3 (1/16)20 SPONSORING AGENCY DEPT

						OJECT DIRECT COS		PROJECT IDC AND FEES				
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT ENTER-PRISE COST RATE CODE
Physics												
100388-150 *	U.S. DEPARTMENT OF ENERGY	AMARYAN, M.	6090	40,409.07	4,365.15	3,652.04	552.77	48,979.03	24,625.82		73,604.85	TRAD
100388-151 *	U.S. DEPARTMENT OF ENERGY	AMARYAN, M.	6090	2,330.15	-	-	-	2,330.15	605.84		2,935.99	TRAD
300348-010 *	CATHOLIC UNIVERSITY (THE CATHOLIC UNIVERSITY OF AMERI	C) AMARYAN, M.	6090	-	326.50	-	-	326.50	173.05		499.55	TRAD
100652-010 *	NATIONAL SCIENCE FOUNDATION	ARETI, H.	6090	-	-	-	11,543.91	11,543.91	-		11,543.91	TRAD
Td 1[(0)8952-(0)8005 (*)0.6 U,\$0.5)E,FOAR(T)MEN(T)(0.6 ()0.6 () 0.5 ()0.5 ()0.5 ()0.6 ()0.6 ()0.5 ()0.	.5 (B) A. L. IT BEKSY (1).053 0 Td 1, 390	0 > 6/0900 C 14.0	684 0 Td 366 12,717.66	2,281.4.5	281)0.2.36d ()Tj E8	31.4 [()0.5 () [()0.5 (()OT				

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION INDIRECT COST ALLOCATION REPORT

SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019 PROJECT DIRECT COST SUPPLIES,

PROJECT IDC AND FEES

STIPENDS, PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR PERSONNEL AND CONTRACTUAL,
FRINGE BENEFITS GENERAL, & TRAVEL EQUIPMENT SUTm u12.45 ()]TJ ET Q Du1211Ul10.5 (PEN) (PM)8.2 0.009 Tc 0.021 Tw -0.079 -1.237 Td [(F)-3.3 (R)2.5 (I)-20.5 (N)2.5 (G)-20.5 (E) 0.5 (BEN)2.5 (EF)-3.2 (I)-SPONSORING AGENCY DEPT

				PROJECT IDC A	ND FEES								
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	INDIRECT COST RATE	ENTER-PRISE CODE
OFFICE OF RE	DEFICE OF RESEARCH AND OTHER UNITS												
CBE - Frank Re	idy Center for Bioelectrics												
300427-010 *	OLD DOMINION UNIVERSITY	BEEBE, S.	9010.2	7,760.04	303.91	-	5,000.00	13,063.94	2,419.18		15,483.12		CBE
300427-910 *	PULSE BIOSCIENCES (ELECTROBLATE)	BEEBE, S.	9010.2	1,604.09	5,764.03	-	-	7,368.11	2,210.44		9,578.55		CBE
500226-013 *	PULSE PULSE B7(EC)2.5 (T)-3.2 (R)2.4 (O)-20.5 (BL)-5.6 (AT)-3.3 (E))]TJ EMC /P < <td>MC /P <<td>EMCP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	MC /P < <td>EMCP</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EMCP									

						DJECT DIRECT COS			PROJECT IDC A	ND FEES		
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT ENTER-PRISE COST RATE CODE
VMASC - Virgini	ia Modeling, Analysis & Simulation Center											
600201-010 *	UNIVERSITY OF AGDER	BARRACO, A.	9010.3	8,237.30	4.50	-	=	8,241.80	4,532.99		12,774.79	VMASC
300492-010 *	OLD DOMINION UNIVERSITY	BEHR, J.	9010.3	4,252.82	322.49	-	-	4,575.31	-		4,575.31	VMASC
500341-001 *	APPLIED RESEARCH ASSOCIATES, INC.	CROLL, M.	9010.3	(6.12)	-	-	0.00	(6.11)	(3.36)		(9.48)	VMASC
500342-001 *	WR SYSTEMS, LTD.	CROLL, M.	9010.3	-	-	-	876.97	876.97	570.07		1,447.04	VMASC
500376-010 *	CAMBER CORPORATION	CVIJETIC, B.	9010.3	-	-	-	53.20	53.20	34.44		87.64	VMASC
500391-010 *	CAMBER CORPORATION	CVIJETIC, B.	9010.3	15,687.32	-	-	=	15,687.32	10,196.76		25,884.08	VMASC
500388-010	SIRIUS-76											

FOR THE SIX-MONTH PERIOD ENDED June 30, 2019

PERSONNEL AND CONTRACTUAL,
FRINGE BENEFITS GENERAL, & TRAVEL PROJECT NUMBER PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR SPONSORING AGENCY DEPT

PROJECT IDC AND FEES

					,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
					PRO	DJECT DIRECT COS	ST		PROJECT IDC A	ND FEES			
PROJECT NUMBER	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	SPECIAL FEES	TOTAL PROJECT COSTS	EFFECTIVE INDIRECT COST RATE	ENTER-PRISE CODE
Virginia Space	Grant Consortium												
100607-010	NATIONAL SCIENCE FOUNDATION	CARTER, C.	9701	21,095.61	49,270.15	-	47,868.62	118,234.38	18,295.08		136,529.46		VSGC
500323-010	MIDLAND GIS SOLUTIONS	CARTER, C.	9701	771.87	-	-	-	771.87	200.69		972.56		VSGC
100419-010	FEDERAL AVIATION ADMINISTRATION	SANDY, M.	9701	(0.05)	-	-	-	(0.05)	-		(0.05)		VSGC
100522-010	LANGLEY RESEARCH CENTER	SANDY, M.	9701	8,012.67	29,165.31	-	-	37,177.98	9,666.28		46,844.26		VSGC
100527-010	NASA GODDARD SPACEFLIGHT CENTER	SANDY, M.	9701	136,820.56	13,868.92	-	242,717.13	393,406.61	39,179.27		432,585.88		VSGC
200005-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, M.	9701	104,181.85	46,700.34	-	98,525.92	249,408.11	-		249,408.11		VSGC
200005-011	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, M.	9701	11,962.83	2,871.75	-	45,276.17	60,110.75	-		60,110.75		VSGC
200009-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, M.	9701	-	-	-	165,921.58	165,921.58	-		165,921.58		VSGC
200009-020	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, M.	9701	2,790.80	6,408.57	-	74,232.04	83,431.41	-		83,431.41		VSGC
200278-010	STATE COUNCIL FOR HIGHER EDUCATION IN VA (SCHEV)	SANDY, M.	9701	3,142.98	512.53	-	12,593.31	16,248.82	-		16,248.82		VSGC
300030-010	20002/EBRS1T00 T-09 ((1/12)/28/5)YN)/223/45((1/0/EBRS/)/EINSN-2/BNE2010/23/80/65Y0	()0.6 (F)-6.3 (O)-2647CID 564 3.0	03 Tc28()ITJ (Tw 6.658 03.4 (I)0.6EMC	ID 567 >> BDC 11.5 0 Td	(-)5D 573 >>BDC	-0.003 Tc 0.003T						