




# Old Dominion University Research Foundation

To: Distribution

From: Julian F. Facenda   
Executive Director

Date: April 11, 2014

Subject: Indirect Cost Allocation Report  
For the Six-Month Period Ended December 31, 2013

**Please Note: The Indirect Cost Allocation Reports are now available on the Research Foundation's web page at <http://www.researchfoundation.odu.edu/reports/reports.htm>.**

Attached you will find the Indirect Cost (IDC) Allocation report for the six-month period ended December 31, 2013. This report provides a combined reporting of the two University-approved IDC allocation methods currently in use: the Traditional Method and the Non-Traditional Method.

The Traditional Method covers the research activity of regular faculty members working within the capacity of their academic or administrative appointments. The Non-Traditional Method encompasses the remainder of the sponsored program activity of the University. Projects reported under this model are those of Self-Supporting Research Professional Positions (SSRP), University approved research centers and other affiliated entities for which the Research Foundation provides fiscal and administrative services.

There were two University-approved changes implemented with this allocation reporting period:

- The calculation for the amount set-aside to fund the Intellectual Property Fund was increased to 1.0% of total direct and indirect costs for the period.
- An additional amount of 1.0% of total direct and indirect costs for the period was approved for replenishment of the Research Foundation reserve funds.

Funds placed in the Intellectual Property Fund are used to pay legal and related costs for the filing and maintain patents as well as costs associated with licensing activities. Research Foundation reserves are used to pay non-recurring expenditures such as legal, consulting and capital items not considered part of on-going operations. The allocation to the Research Foundations reserves is considered temporary until such time as reserves are restored to prudent levels.

The overall effective IDC rate for the current six-month period of 11.56% is somewhat skewed due to a significant amount of subcontracted expenditures, not subject to indirect cost recovery, in the affiliated allocation. The effective IDC rate for the University activity in the Traditional and Non-traditional models excluding affiliates is 21.69% for the current period. The amount allocated to the Research Foundation for operations during the six-month period amounts to 37% of total indirect cost recoveries.

Should you have any questions concerning the enclosed report please do not hesitate to contact Beverly Uzel at 683-7215 (e-mail [buzel@odu.edu](mailto:buzel@odu.edu)) or me at 683-7210 (e-mail [jfacenda@odu.edu](mailto:jfacenda@odu.edu)).

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# Old Dominion University Research Foundation

## Indirect Cost Allocation Report

For the Six-month Period Ended December 31, 2013

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| <b><u>Distribution:</u></b> | Complete Report ODURF Board of Trustees<br>ODU Vice Presidents<br>Senior Academic Deans<br>Associate Deans for Research<br>Academic Department Chairs  |

**Old Dominion University Research Foundation**  
**Indirect Cost Allocation Report**  
**For the Six-month Period Ended December 31, 2013**

**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 December 31, 2013 and prior fiscal year             |
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**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 12/31/13**

| PERIOD   | SIX-MONTH TOTAL<br>12/31/2013 |                     | TRADITIONAL<br>ALLOCATION |                     | NON-TRADITIONAL<br>ALLOCATION |                     | AFFILIATED<br>ALLOCATION |                     |
|--|-------------------------------|---------------------|---------------------------|---------------------|-------------------------------|---------------------|--------------------------|---------------------|
| DIRECT COST RECOVERIES                                     | \$ 36,920,374                 | 90%                 | \$ 14,838,126             | 84%                 | \$ 3,300,660                  | 76%                 | \$ 18,781,588            | 98%                 |
| INDIRECT COST RECOVERIES                                   | 4,267,074                     | 10%                 | 2,887,643                 | 16%                 | 1,046,256                     | 24%                 | 333,175                  | 2%                  |
| <b>TOTAL RECOVERIES</b>                                    | <b>\$ 41,187,448</b>          | <b>100%</b>         | <b>\$ 17,725,769</b>      | <b>100%</b>         | <b>\$ 4,346,916</b>           | <b>100%</b>         | <b>\$ 19,114,763</b>     | <b>100%</b>         |
| <b>INDIRECT COST RECOVERIES AND ALLOCATION</b>             |                               | %of<br>Total<br>IDC |                           | %of<br>Total<br>IDC |                               | %of<br>Total<br>IDC |                          | %of<br>Total<br>IDC |
| <b>INDIRECT COST RECOVERIES:</b>                           |                               |                     |                           |                     |                               |                     |                          |                     |
| DEPARTMENTAL / ENTERPRISE CENTER PROJECTS                  | \$ 3,912,828                  | 92%                 | \$ 2,887,643              | 100%                | \$ 1,025,185                  | 98%                 | \$ -                     | 0%                  |
| SELF-SUPPORTING RESEARCH POSITIONS                         | 21,071                        | 0%                  | -                         | 0%                  | 21,071                        | 2%                  | -                        | 0%                  |
| OTHER AFFILIATED ACTIVITIES                                | 333,175                       | 8%                  | -                         | 0%                  | -                             | 0%                  | 333,175                  | 100%                |
| <b>TOTAL INDIRECT COST RECOVERIES</b>                      | <b>\$ 4,267,074</b>           | <b>100%</b>         | <b>\$ 2,887,643</b>       | <b>100%</b>         | <b>\$ 1,046,256</b>           | <b>100%</b>         | <b>\$ 333,175</b>        | <b>100%</b>         |
| <b>EFFECTIVE OVERALL IDC RATE</b>                          | <b>11.56%</b>                 |                     | <b>19.46%</b>             |                     | <b>31.70%</b>                 |                     | <b>1.77%</b>             |                     |
| <b>EFFECTIVE FOUNDATION OVERHEAD RATE</b>                  | <b>4.24%</b>                  |                     | <b>7.72%</b>              |                     | <b>9.60%</b>                  |                     | <b>0.55%</b>             |                     |
| <b>EFFECTIVE UNIVERSITY OVERHEAD RATE</b>                  | <b>6.72%</b>                  |                     | <b>10.66%</b>             |                     | <b>20.24%</b>                 |                     | <b>1.22%</b>             |                     |
| <b>DISTRIBUTION OF IDC RECOVERIES:</b>                     |                               |                     |                           |                     |                               |                     |                          |                     |
| To: RESEARCH FOUNDATION FOR OPERATIONS                     | \$ 1,566,792                  | 37%                 | \$ 1,146,054              | 40%                 | \$ 316,746                    | 30%                 | \$ 103,992               | 31%                 |
| To: RESEARCH FOUNDATION FOR RESERVES                       | 220,727                       | 5%                  | 159,247                   | 6%                  | 61,480                        | 6%                  | -                        | 0%                  |
| To: ODU ACADEMIC AND AFFILIATED UNITS ( See Detail Below)  | 2,479,555                     | 58%                 | 1,582,342                 | 55%                 | 668,030                       | 64%                 | 229,183                  | 69%                 |
| <b>TOTAL DISTRIBUTION</b>                                  | <b>\$ 4,267,074</b>           | <b>100%</b>         | <b>\$ 2,887,643</b>       | <b>100%</b>         | <b>\$ 1,046,256</b>           | <b>100%</b>         | <b>\$ 333,175</b>        | <b>100%</b>         |
| <b>ODU AND AFFILIATED DISTRIBUTION</b>                     |                               |                     |                           |                     |                               |                     |                          |                     |
| ALLOCATED TO :   |                               |                     |                           |                     |                               |                     |                          |                     |
| COLLEGES / ENTERPRISE CENTERS                              | \$ 849,279                    | 20%                 | \$ 260,607                | 9%                  | \$ 572,197                    | 55%                 | \$ 16,475                | 5%                  |
| DEPARTMENTS  | 325,758                       | 8%                  | 325,758                   | 11%                 | -                             | 0%                  | -                        | 0%                  |
| FACULTY AND SELF-SUPPORTING RESEARCH POSITIONS             | 270,539                       | 6%                  | 260,607                   | 9%                  | 9,932                         | 1%                  | -                        | 0%                  |
| OFFICE OF RESEARCH   | 456,062                       | 11%                 | 456,062                   | 16%                 | -                             | 0%                  | -                        | 0%                  |
| OTHER AFFILIATED ACTIVITIES                                | 212,708                       | 5%                  | -                         | 0%                  | -                             | 0%                  | 212,708                  | 64%                 |
| <b>SUBTOTAL: ALLOCATION TO ACADEMIC / AFFILIATED UNITS</b> | <b>2,114,346</b>              | <b>50%</b>          | <b>1,303,034</b>          | <b>45%</b>          | <b>582,129</b>                | <b>56%</b>          | <b>229,183</b>           | <b>69%</b>          |
| OTHER UNIVERSITY DIRECTED DISTRIBUTIONS:                   |                               |                     |                           |                     |                               |                     |                          |                     |
| MANDATED RETURN TO STATE                                   | 144,482                       | 3%                  | 104,239                   | 4%                  | 40,243                        | 4%                  | -                        | 0%                  |
| INTELLECTUAL PROPERTY FUND                                 | 220,727                       | 5%                  | 175,069                   | 6%                  | 45,658                        | 4%                  | -                        | 0%                  |
| <b>SUBTOTAL: OTHER</b>                                     | <b>365,209</b>                | <b>8%</b>           | <b>279,308</b>            | <b>10%</b>          | <b>85,901</b>                 | <b>8%</b>           | <b>-</b>                 | <b>0%</b>           |
| <b>TOTAL IDC DISTRIBUTED TO ODU AND AFFILIATED UNITS</b>   | <b>\$ 2,479,555</b>           | <b>58%</b>          | <b>\$ 1,582,342</b>       | <b>55%</b>          | <b>\$ 668,030</b>             | <b>64%</b>          | <b>\$ 229,183</b>        | <b>69%</b>          |

**TRADITIONAL ALLOCATION METHOD  
SCHEDULE 1  
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**

**SCHEDULE OF DIRECT AND INDIRECT COST RECOVERIES, AND RECOVERY RATES  
SIX MONTH PERIOD ENDING 12/31/2013 AND PRIOR FISCAL YEAR**

| PERIOD                                    | 7/1/2013<br>12/31/2013     | 1/1/2013<br>6/30/2013      | 7/1/2012<br>12/31/2012     | TOTAL<br>FY13              |
|---|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>DIRECT COST RECOVERIES</b>             | \$ 14,838,126 84%          | \$ 12,865,312 83%          | \$ 12,234,703 82%          | \$ 25,100,015 83%          |
| <b>INDIRECT COST RECOVERIES</b>           | 2,887,643 16%              | 2,596,847 17%              | 2,664,092 18%              | \$ 5,260,939 17%           |
| <b>TOTAL RECOVERIES</b>                   | <b>\$ 17,725,769 100%</b>  | <b>\$ 15,462,159 100%</b>  | <b>\$ 14,898,795 100%</b>  | <b>\$ 30,360,954 100%</b>  |
| <b>TRADITIONAL ALLOCATION METHOD</b>      | %of<br>Total<br><u>IDC</u> | %of<br>Total<br><u>IDC</u> | %of<br>Total<br><u>IDC</u> | %of<br>Total<br><u>IDC</u> |
| <b>INDIRECT COST RECOVERIES:</b>          |                            |                            |                            |                            |
| DEPARTMENTAL GENERATED PROJECTS           | \$ 2,887,643 100%          | \$ 2,596,847 100%          | \$ 2,664,092 100%          | \$ 5,260,940 100%          |
| INTELLECTUAL PROPERTY IDC                 | - 0%                       | - 0%                       | - 0%                       | \$ - 0%                    |
| <b>TOTAL INDIRECT COST RECOVERIES</b>     | <b>\$ 2,887,643 100%</b>   | <b>\$ 2,596,847 100%</b>   | <b>\$ 2,664,092 100%</b>   | <b>\$ 5,260,940 100%</b>   |
| <b>EFFECTIVE OVERALL IDC RATE</b>         | <b>19.46%</b>              | <b>20.18%</b>              | <b>21.77%</b>              | <b>20.96%</b>              |
| <b>EFFECTIVE FOUNDATION OVERHEAD RATE</b> | <b>7.72%</b>               | <b>6.62%</b>               | <b>8.11%</b>               | <b>7.35%</b>               |
| <b>EFFECTIVE UNIVERSITY OVERHEAD RATE</b> | <b>10.66%</b>              | <b>13.56%</b>              | <b>13.67%</b>              | <b>13.61%</b>              |
| <b>DISTRIBUTION OF IDC RECOVERIES:</b>    |                            |                            |                            |                            |
| To: RESEARCH FOUNDATION FOR OPERATIONS    | \$ 1,146,054 40%           | \$ 851,846 33%             | \$ 991,908 37%             | \$ 1,843,754 35%           |
| To: RESEARCH FOUNDATION FOR RESERVES      | 159,247 6%                 | - 0%                       | - 0%                       | \$ - 0%                    |
| To: ODU ( See Detail Below)               | 1,582,342 55%              | 1,745,001 67%              | 1,672,184 63%              | 3,417,186 65%              |
| <b>TOTAL DISTRIBUTION</b>                 | <b>\$ 2,887,643 100%</b>   | <b>\$ 2,596,847 100%</b>   | <b>\$ 2,664,092 100%</b>   | <b>\$ 5,260,940 100%</b>   |
| <b>ODU DISTRIBUTION</b>                   |                            |                            |                            |                            |
| ALLOCATED TO :                            |                            |                            |                            |                            |
| COLLEGES                                  | \$ 260,607 9%              | \$ 313,768 12%             | \$ 300,555 11%             | \$ 614,323 12%             |
| DEPARTMENTS                               | 325,758 11%                | 392,210 15%                | 375,694 14%                | 767,904 15%                |
| FACULTY                                   | 260,607 9%                 | 313,768 12%                | 300,555 11%                | 614,323 12%                |
| OFFICE OF RESEARCH                        | 456,062 16%                | 549,094 21%                | 525,972 20%                | 1,075,066 21%              |
| SUBTOTAL: ALLOCATION TO ACADEMIC UNITS    | <b>1,303,034 45%</b>       | <b>1,568,840 60%</b>       | <b>1,502,776 56%</b>       | <b>3,071,616 60%</b>       |
| OTHER UNIVERSITY DIRECTED DISTRIBUTIONS:  |                            |                            |                            |                            |
| MANDATED RETURN TO STATE                  | 104,239 4%                 | 98,851 4%                  | 94,914 4%                  | 193,765 4%                 |
| INTELLECTUAL PROPERTY FUND                | 175,069 6%                 | 77,311 3%                  | 74,494 3%                  | 151,805 3%                 |
| INTELLECTUAL PROPERTY IDC                 | - 0%                       | - 0%                       | - 0%                       | - 0%                       |
| SUBTOTAL: OTHER                           | <b>279,308 10%</b>         | <b>176,162 7%</b>          | <b>169,408 7%</b>          | <b>345,570 7%</b>          |
| <b>TOTAL IDC DISTRIBUTED TO ODU</b>       | <b>\$ 1,582,342 55%</b>    | <b>\$ 1,745,002 67%</b>    | <b>\$ 1,672,184 63%</b>    | <b>\$ 3,417,186 67%</b>    |

**SCHEDULE 2  
 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
 ALLOCATION TO ACADEMIC UNITS - TRADITIONAL ALLOCATION METHOD  
 SIX MONTH PERIOD ENDING DECEMBER 31, 2013**

| College                                       | Department   | INDIRECT<br>COST<br>RECOVERY | Percentage of<br>Allocation<br>Base | Based on<br>Faculty<br>IDC Productivity<br>20% | Based on<br>Department<br>IDC Productivity<br>25% | Based on<br>College<br>IDC Productivity<br>20% | Total<br>College<br>Allocation | Office<br>of<br>Research<br>35% | TOTAL<br>ALLOCATED |
|---|--|------------------------------|-------------------------------------|--|---|--|--------------------------------|---------------------------------|--------------------|
|   |  |                              |                                     | \$ 256,142                                     | \$ 320,178  | \$ 256,142                                     | \$ 832,462                     | \$ 448,249                      | \$ 1,280,711       |
| College of Arts and Letters                   |  |                              |                                     |  |   |  |                                |                                 |                    |
|   | Dean's Office  | 517                          | 0.02%                               | 47   | 58  |  |                                |                                 |                    |
|   | English  | 3,377                        | 0.12%                               | 305  | 381   |  |                                |                                 |                    |
|   | History  | 517                          | 0.02%                               | 47   | 58  |  |                                |                                 |                    |
|   | Philosophy and Religious Studies                     | -                            |                                     | -  |   |  |                                |                                 |                    |
|   | Political Science and Geography                      | 3,307                        | 0.12%                               | 298  | 373   |  |                                |                                 |                    |
|   | Communication and Theater Arts                       | 2,177                        | 0.08%                               | 196  | 246   |  |                                |                                 |                    |
|   | Sociology and Criminal Justice                       | 2,501                        | 0.09%                               | 226  | 282   |  |                                |                                 |                    |
|   | International Studies                                | -                            | 0.00%                               | -  | -   |  |                                |                                 |                    |
| <b>Total</b>                                  | <b>College of Arts and Letters</b>                   | <b>\$ 12,396</b>             | <b>0.44%</b>                        | <b>\$ 1,119</b>                                | <b>\$ 1,398</b>                                   | <b>\$ 1,119</b>                                | <b>\$ 3,636</b>                | <b>\$ 1,958</b>                 | <b>\$ 5,594</b>    |
| College of Business and Public Administration |  |                              |                                     |  |   |  |                                |                                 |                    |
|   | Information Technology and Decision Sciences         | -                            | 0.00%                               | -  | -   |  |                                |                                 |                    |
|   | Business Administration                              | -                            | 0.00%                               | -  | -   |  |                                |                                 |                    |
|   | Economics  | 12,753                       | 0.45%                               | 1,151  | 1,439   |  |                                |                                 |                    |
|   | Urban Studies and Public Administration              | 6,109                        | 0.22%                               | 551  | 689   |  |                                |                                 |                    |
| <b>Total</b>                                  | <b>College of Business and Public Administration</b> | <b>\$ 18,862</b>             | <b>0.66%</b>                        | <b>\$ 1,702</b>                                | <b>\$ 2,128</b>                                   | <b>\$ 1,702</b>                                | <b>\$ 5,532</b>                | <b>\$ 2,979</b>                 | <b>\$ 8,511</b>    |
| Darden College of Education                   |  |                              |                                     |  |   |  |                                |                                 |                    |
|   | Dean's Office  | 12,229                       | 0.43%                               | 1,104  | 1,380   |  |                                |                                 |                    |
|   | Teaching and Learning                                | 17,307                       | 0.61%                               | 1,562  | 1,952   |  |                                |                                 |                    |
|   | STEM Education and Professional Studies              | 69,743                       | 2.46%                               | 6,294  | 7,868   |  |                                |                                 |                    |
|   | Human Movement Sciences                              | 5,434                        | 0.19%                               | 491  | 613   |  |                                |                                 |                    |
|   | Communication Disorders and Special Education        | 101,890                      | 3.59%                               | 9,196  | 11,494  |  |                                |                                 |                    |
|   | Educational Foundations and Leadership               | 41,694                       | 1.47%                               | 3,763  | 4,703   |  |                                |                                 |                    |
|   | Counseling and Human Services                        | 138                          | 0.00%                               | 13   | 16  |  |                                |                                 |                    |
|   | Center for Educational Partnerships                  | 111,799                      | 3.94%                               | 10,090   | 12,612  |  |                                |                                 |                    |
| <b>Total</b>                                  | <b>Darden College of Education</b>                   | <b>\$ 360,234</b>            | <b>12.69%</b>                       | <b>\$ 32,511</b>                               | <b>\$ 40,639</b>                                  | <b>\$ 32,511</b>                               | <b>\$ 105,660</b>              | <b>\$ 56,894</b>                | <b>\$ 162,554</b>  |
| College of Engineering                        |  |                              |                                     |  |   |  |                                |                                 |                    |
|   | Dean's Office  | 13,925                       | 0.49%                               | 1,257  | 1,571   |  |                                |                                 |                    |
|   | Civil and Environmental Engineering                  | 55,266                       | 1.95%                               | 4,988  | 6,235   |  |                                |                                 |                    |
|   | Electrical and Computer Engineering                  | 207,992                      | 7.33%                               | 18,771   | 23,464  |  |                                |                                 |                    |
|   | Mechanical and Aerospace Engineering                 | 125,297                      | 4.41%                               | 11,308   | 14,135  |  |                                |                                 |                    |
|   | Engineering Technology                               | 35,413                       | 1.25%                               | 3,196  | 3,995   |  |                                |                                 |                    |
|   | Engineering Management                               | 47,084                       | 1.66%                               | 4,249  | 5,312   |  |                                |                                 |                    |
|   | Engineering Career Management Center                 | -                            | 0.00%                               | -  | -   |  |                                |                                 |                    |
|   | Electrical and Computer Engineering                  | -                            | 0.00%                               | -  | -   |  |                                |                                 |                    |
|   | Modeling, Simulation and Visualization Engineering   | 91,304                       | 3.22%                               | 8,240  | 10,300  |  |                                |                                 |                    |
| <b>Total</b>                                  | <b>College of Engineering</b>                        | <b>\$ 576,281</b>            | <b>20.30%</b>                       | <b>\$ 52,009</b>                               | <b>\$ 65,011</b>                                  | <b>\$ 52,009</b>                               | <b>\$ 169,029</b>              | <b>\$ 91,015</b>                | <b>\$ 260,044</b>  |

**SCHEDULE 2  
 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
 ALLOCATION TO ACADEMIC UNITS - TRADITIONAL ALLOCATION METHOD  
 SIX MONTH PERIOD ENDING DECEMBER 31, 2013**

| College                    | Department                               | INDIRECT<br>COST<br>RECOVERY | Percentage of<br>Allocation<br>Base | Based on<br>Faculty<br>IDC Productivity<br>20% | Based on<br>Department<br>IDC Productivity<br>25% | Based on<br>College<br>IDC Productivity<br>20% | Total<br>College<br>Allocation | Office<br>of<br>Research<br>35% | TOTAL<br>ALLOCATED  |
|----------------------------|--|------------------------------|-------------------------------------|--|---|--|--------------------------------|---------------------------------|---------------------|
|                            |  |                              |                                     | \$ 256,142                                     | \$ 320,178  | \$ 256,142                                     | \$ 832,462                     | \$ 448,249                      | \$ 1,280,711        |
| College of Health Sciences |  |                              |                                     |  |   |  |                                |                                 |                     |
|                            | Community and Environmental Health       | 44,861                       | 1.58%                               | 4,049  | 5,061   |  |                                |                                 |                     |
|                            | Dental Hygiene                           | 2,928                        | 0.10%                               | 264  | 330   |  |                                |                                 |                     |
|                            | Nursing                                  | 12,226                       | 0.43%                               | 1,103  | 1,379   |  |                                |                                 |                     |
|                            | Physical Therapy                         | 20,866                       | 0.74%                               | 1,883  | 2,354   |  |                                |                                 |                     |
| <b>Total</b>               | <b>College of Health Sciences</b>        | <b>\$ 80,881</b>             | <b>2.85%</b>                        | <b>\$ 7,300</b>                                | <b>\$ 9,125</b>                                   | <b>\$ 7,300</b>                                | <b>\$ 23,724</b>               | <b>\$ 12,774</b>                | <b>\$ 36,498</b>    |
| College of Sciences        |  |                              |                                     |  |   |  |                                |                                 |                     |
|                            | Dean's Office                            | 345                          | 0.01%                               | 31   | 39  |  |                                |                                 |                     |
|                            | Biological Sciences                      | 127,976                      | 4.51%                               | 11,550   | 14,437  |  |                                |                                 |                     |
|                            | Chemistry and Biochemistry               | 99,452                       | 3.50%                               | 8,975  | 11,219  |  |                                |                                 |                     |
|                            | Mathematics and Statistics               | 102,370                      | 3.61%                               | 9,239  | 11,549  |  |                                |                                 |                     |
|                            | Ocean, Earth and Atmospheric Sciences    | 479,911                      | 16.91%                              | 43,312   | 54,140  |  |                                |                                 |                     |
|                            | Center for Coastal Physical Oceanography | 166,451                      | 5.86%                               | 15,022   | 18,777  |  |                                |                                 |                     |
|                            | Psychology                               | 157,398                      | 5.55%                               | 14,205   | 17,756  |  |                                |                                 |                     |
|                            | Physics                                  | 410,680                      | 14.47%                              | 37,063   | 46,329  |  |                                |                                 |                     |
|                            | Computer Science                         | 151,434                      | 5.34%                               | 13,667   | 17,083  |  |                                |                                 |                     |
| <b>Total</b>               | <b>College of Sciences</b>               | <b>\$ 1,696,017</b>          | <b>59.76%</b>                       | <b>\$ 153,064</b>                              | <b>\$ 191,330</b>                                 | <b>\$ 153,064</b>                              | <b>\$ 497,458</b>              | <b>\$ 267,862</b>               | <b>\$ 765,320</b>   |
| Other                      |  |                              |                                     |  |   |  |                                |                                 |                     |
|                            | ODU Business Gateway                     | 93,390                       | 3.29%                               | 8,428  | 10,535  |  |                                |                                 |                     |
|                            | Virginia Tidewater Consortium            | 28,112                       | 0.99%                               | 2,537  | 3,171   |  |                                |                                 |                     |
|                            | Other ODU Units                          | 21,470                       | 0.76%                               | 1,938  | 2,423   |  |                                |                                 |                     |
| <b>Total</b>               | <b>Other</b>                             | <b>\$ 142,972</b>            | <b>5.04%</b>                        | <b>\$ 12,903</b>                               | <b>\$ 16,129</b>                                  | <b>\$ 12,904</b>                               | <b>\$ 41,936</b>               | <b>\$ 22,581</b>                | <b>\$ 64,517</b>    |
| <b>Grand</b>               | <b>Total</b>                             | <b>\$ 2,887,643</b>          | <b>102.00%</b>                      | <b>\$ 260,607</b>                              | <b>\$ 325,760</b>                                 | <b>\$ 260,609</b>                              | <b>\$ 846,975</b>              | <b>\$ 456,063</b>               | <b>\$ 1,303,038</b> |

|                                  |                     |
|----------------------------------|---------------------|
| Total Indirect Cost Recoveries   | \$ 2,887,643        |
| Less: Post Allocation Adjustment | \$ (49,469)         |
| Allocation Base                  | <u>\$ 2,838,173</u> |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College                         | Department    | Principal Investigator | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS         | INDIRECT COSTS      | TOTAL COSTS          | Effective Indirect Rate | Allocation Percentage | Faculty Allocation | Department Allocation |
|---------------------------------|---------------|------------------------|--------------------------------|-----------|--------|----------|----------------------|---------------------|----------------------|-------------------------|-----------------------|--------------------|-----------------------|
| College of Arts and Letters     |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
|                                 | Dean's Office |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | * 1010        | WOJTOWICZ, R.          | USED TIR YEAR 5 MOD 8          | 397561    | 1010   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 47.50              | 58.36                 |
|                                 |               | * Department Total:    |                                |           |        |          | 14,984.29            | 517.29              | 15,501.58            |                         | 0.02%                 | 47.50              | 58.36                 |
| English                         |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | * 1012        | BOSTIC, T.             | USED TIR YEAR 5 MOD 8          | 397561    | 1012   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 46.68              | 58.36                 |
| A&L                             | * 1012        | HELLER, D.             | USED TIR YEAR 5 MOD 8          | 397561    | 1012   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 46.68              | 58.36                 |
| A&L                             | * 1012        | VINCELETTE, E.         | NAVSUP: JAWS WRITING SPEC      | 286037    | 1012   | 35.00%   | 6,692.52             | 2,342.39            | 9,034.91             | 35.00%                  | 0.08%                 | 211.40             | 264.25                |
|                                 |               | * Department Total:    |                                |           |        |          | 36,661.11            | 3,376.97            | 40,038.07            |                         | 0.12%                 | 304.76             | 380.97                |
| History                         |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | * 1014        | FINLEY-CROSSWHITE, A.  | USED TIR YEAR 5 MOD 8          | 397561    | 1014   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 46.68              | 58.36                 |
|                                 |               | * Department Total:    |                                |           |        |          | 14,984.29            | 517.29              | 15,501.58            |                         | 0.02%                 | 46.68              | 58.36                 |
| Political Science and Geography |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | * 1018        | ADAMS, F.              | USED TIR YEAR 5 MOD 8          | 397561    | 1018   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 46.68              | 58.36                 |
| A&L                             | * 1018        | JERSILD, A.            | USED TIR YEAR 5 MOD 8          | 397561    | 1018   | 8.00%    | 14,984.29            | 517.29              | 15,501.58            | 3.45%                   | 0.02%                 | 46.68              | 58.36                 |
| A&L                             | 1018          | KARP, R.               | EU 30CE0537189/00-11 GETTOKNOW | 726941    | 1018   | 7.00%    | 32,466.41            | 2,272.65            | 34,739.06            | 7.00%                   | 0.08%                 | 205.10             | 256.38                |
|                                 |               | * Department Total:    |                                |           |        |          | 62,435.00            | 3,307.23            | 65,742.23            |                         | 0.12%                 | 298.46             | 373.10                |
| Sociology and Criminal Justice  |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | 1019          | YANG, X.               | WSU VENUE-BASED HIV MOD #4     | 594001    | 1019   | 50.00%   | 5,001.62             | 2,500.81            | 7,502.43             | 50.00%                  | 0.09%                 | 225.70             | 282.12                |
|                                 |               | * Department Total:    |                                |           |        |          | 5,001.62             | 2,500.81            | 7,502.43             |                         | 0.09%                 | 225.70             | 282.12                |
| Communication and Theater Arts  |               |                        |                                |           |        |          |                      |                     |                      |                         |                       |                    |                       |
| A&L                             | * 1020        | ALONZO, J.             | NSF RCN UBE-INCUBATOR: ICLUB   | 310481    | 1020   | 50.00%   | 4,353.40             | 2,176.70            | 6,530.10             | 50.00%                  | 0.08%                 | 196.44             | 245.56                |
|                                 |               | * Department Total:    |                                |           |        |          | 4,353.40             | 2,176.70            | 6,530.10             |                         | 0.08%                 | 196.44             | 245.56                |
| <b>** College Total</b>         |               |                        |                                |           |        |          | <b>\$ 138,419.71</b> | <b>\$ 12,396.28</b> | <b>\$ 150,816.00</b> |                         | <b>0.44%</b>          | <b>\$ 1,119.54</b> | <b>\$ 1,398.47</b>    |



OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College                                     | Department | Principal Investigator<br>(See note) | Agency Title or Reference | Project #                      | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|---|------------|--------------------------------------|---------------------------|--------------------------------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--|--|
|   |            |                                      |                           |                                |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |  |  |
| College of Business & Public Administration |            |                                      |                           |                                |        |             |                 |                   |                |                  |                          |                       |  |  |
| Economics                                   |            |                                      |                           |                                |        |             |                 |                   |                |                  |                          |                       |  |  |
| BUS   | *          | 2038                                 | AGRAWAL, V.               | CSX KM DTA ECON IMPACT COAL    | 724681 | 2038        | 53.00%          | 4.63              | 2.38           | 7.01             | 51.40%                   | 0.00%                 | 0.21                                   | 0.27                                   |
| BUS   |            | 2038                                 | KOCH, J.                  | VEDP GOING GLOBAL DEFENSE      | 540791 | 2038        | 28.00%          | 45,528.85         | 12,748.08      | 58,276.93        | 28.00%                   | 0.45%                 | 1,150.50                               | 1,438.13                               |
| BUS   | *          | 2038                                 | WAGNER, G.                | CSX KM DTA ECON IMPACT COAL    | 724681 | 2038        | 53.00%          | 4.63              | 2.38           | 7.01             | 51.40%                   | 0.00%                 | 0.21                                   | 0.27                                   |
| * Department Total:                         |            |                                      |                           |                                |        |             |                 | 45,538.11         | 12,752.84      | 58,290.95        |                          | 0.45%                 | 1,150.92                               | 1,438.67                               |
| Urban Studies and Public Administration     |            |                                      |                           |                                |        |             |                 |                   |                |                  |                          |                       |  |  |
| BUS   | *          | 2040                                 | MILLER-STEVENS, K.        | NAVSUP FFSP COMMUNITY CAPACITY | 230891 | 2040        | 53.00%          | 3,848.98          | 1,966.33       | 5,815.31         | 51.09%                   | 0.07%                 | 177.46                                 | 221.82                                 |
| BUS   | *          | 2040                                 | MORRIS, J.                | NAVSUP FFSP COMMUNITY CAPACITY | 230891 | 2040        | 53.00%          | 3,848.98          | 1,966.33       | 5,815.31         | 51.09%                   | 0.07%                 | 177.46                                 | 221.82                                 |
| BUS   | *          | 2040                                 | MORRIS, J.                | NNPS/PPSEV TEEN PREG PREVENT   | 732551 | 2040        | 26.00%          | 8,369.85          | 2,176.17       | 10,546.02        | 26.00%                   | 0.08%                 | 196.40                                 | 245.50                                 |
| * Department Total:                         |            |                                      |                           |                                |        |             |                 | 16,067.81         | 6,108.82       | 22,176.63        |                          | 0.22%                 | 551.32                                 | 689.14                                 |
| ** College Total                            |            |                                      |                           |                                |        |             |                 | \$ 61,605.92      | \$ 18,861.66   | \$ 80,467.58     |                          | 0.66%                 | \$ 1,702.24                            | \$ 2,127.81                            |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College                     | Department | Principal Investigator | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective Indirect Rate | Allocation Percentage | Faculty Allocation | Department Allocation |
|-----------------------------|------------|------------------------|--------------------------------|-----------|--------|----------|--------------|----------------|-------------|-------------------------|-----------------------|--------------------|-----------------------|
|                             | *          | (See note)             |                                |           |        |          |              |                |             |                         |                       | 256,142.00         | 320,178.00            |
| Darden College of Education |            |                        |                                |           |        |          |              |                |             |                         |                       |                    |                       |
| Dean's Office               |            |                        |                                |           |        |          |              |                |             |                         |                       |                    |                       |
| EDU                         | * 3040     | JUDGE, S.              | USED TIR YEAR 5 MOD 8          | 397561    | 3040   | 8.00%    | 64,931.94    | 2,241.59       | 67,173.53   | 3.45%                   | 0.08%                 | 202.30             | 252.88                |
| EDU                         | 3040       | WARGO, J.              | DANTES 2011-2012 T2T           | 216871    | 3040   | 10.00%   | 0.00         | (0.01)         | (0.01)      | --                      | 0.00%                 | -                  | -                     |
| EDU                         | 3040       | WARGO, J.              | DANTES 2012-2013 T2T           | 216872    | 3040   | 8.00%    | 75,499.90    | 6,039.98       | 81,539.88   | 8.00%                   | 0.21%                 | 545.10             | 681.38                |
| EDU                         | 3040       | WARGO, J.              | T2T 2010-2011 PROGRAM RESIDUAL | 216879    | 3040   | 8.00%    | (7.64)       | (0.61)         | (8.25)      | 7.98%                   | 0.00%                 | (0.06)             | (0.07)                |
| EDU                         | 3040       | WARGO, J.              | DANTES 2013-2014 T2T           | 236581    | 3040   | 10.00%   | 39,478.90    | 3,947.89       | 43,426.79   | 10.00%                  | 0.14%                 | 356.29             | 445.37                |
|                             |            | * Department Total:    |                                |           |        |          | 179,903.10   | 12,228.84      | 192,131.94  |                         | 0.43%                 | 1,103.63           | 1,379.56              |
| Teaching and Learning       |            |                        |                                |           |        |          |              |                |             |                         |                       |                    |                       |
| EDU                         | * 3041     | BUTLER, B.             | *SCHEV BUILDING LITERACY BLISS | 535211    | 3041   | 8.00%    | 6,927.11     | 446.24         | 7,373.35    | 6.44%                   | 0.02%                 | 40.27              | 50.34                 |
| EDU                         | * 3041     | COLWELL, J.            | *SCHEV BUILDING LITERACY BLISS | 535211    | 3041   | 8.00%    | 6,927.11     | 446.24         | 7,373.35    | 6.44%                   | 0.02%                 | 40.27              | 50.34                 |
| EDU                         | 3041       | COLWELL, J.            | DGLF ONLINE BOOK CLUBS VB      | 733811    | 3041   | 0.00%    | 1,142.30     | 0.00           | 1,142.30    | 0.00%                   | 0.00%                 | -                  | -                     |
| EDU                         | 3041       | DEBRUIN-PARECKI, A.    | *ACF PROFILES IN EARLY CHLDHD  | 327601    | 3041   | 0.00%    | 6,986.43     | 0.00           | 6,986.43    | 0.00%                   | 0.00%                 | -                  | -                     |
| EDU                         | * 3041     | DEBRUIN-PARECKI, A.    | ODU STATE OF EARLY CHILDHOOD   | 536971    | 3041   | 5.00%    | 46,388.04    | 2,319.41       | 48,707.45   | 5.00%                   | 0.08%                 | 209.32             | 261.65                |
| EDU                         | * 3041     | DICKINSON, G.          | *1MLS NEXTGEN2 SERVICE MOD#1   | 341391    | 3041   | 53.00%   | 6,445.85     | 788.06         | 7,233.90    | 12.23%                  | 0.03%                 | 71.12              | 88.90                 |
| EDU                         | 3041       | DICKINSON, G.          | PRE ADD IMLS NEXTWAVE          | 342591    | 3041   | 0.00%    | 1,000.00     | 0.00           | 1,000.00    | 0.00%                   | 0.00%                 | -                  | -                     |
| EDU                         | * 3041     | DICKINSON, G.          | IMLS UPGRADES CHILDREN LUCY    | 392641    | 3041   | 43.70%   | 4,860.76     | 1,765.07       | 6,625.83    | 36.31%                  | 0.06%                 | 159.30             | 199.12                |
| EDU                         | * 3041     | DOLL, C.               | *1MLS NEXTGEN2 SERVICE MOD#1   | 341391    | 3041   | 53.00%   | 6,445.85     | 788.06         | 7,233.90    | 12.23%                  | 0.03%                 | 71.12              | 88.90                 |
| EDU                         | * 3041     | DOLL, C.               | IMLS UPGRADES CHILDREN LUCY    | 392641    | 3041   | 43.70%   | 5,008.06     | 1,818.56       | 6,826.62    | 36.31%                  | 0.06%                 | 164.12             | 205.15                |
| EDU                         | * 3041     | ECKHOFF, A.            | ODU STATE OF EARLY CHILDHOOD   | 536971    | 3041   | 5.00%    | 46,388.04    | 2,319.41       | 48,707.45   | 5.00%                   | 0.08%                 | 209.32             | 261.65                |
| EDU                         | * 3041     | FLEENER, C.            | USED TIR YEAR 5 MOD 8          | 397561    | 3041   | 8.00%    | 39,958.12    | 1,379.44       | 41,337.55   | 3.45%                   | 0.05%                 | 124.49             | 155.62                |
| EDU                         | * 3041     | HINTON-JOHNSON, K .    | IMLS UPGRADES CHILDREN LUCY    | 392641    | 3041   | 43.70%   | 4,860.76     | 1,765.07       | 6,625.83    | 36.31%                  | 0.06%                 | 159.30             | 199.12                |
| EDU                         | * 3041     | KIMMEL, S.             | *1MLS NEXTGEN2 SERVICE MOD#1   | 341391    | 3041   | 53.00%   | 6,641.18     | 811.94         | 7,453.11    | 12.23%                  | 0.03%                 | 73.28              | 91.60                 |
| EDU                         | 3041       | LEE, L.                | *NWP TIDEWATER WRITING PROJECT | 726081    | 3041   | 10.00%   | 10,212.87    | 721.28         | 10,934.15   | 7.06%                   | 0.03%                 | 65.09              | 81.37                 |
| EDU                         | * 3041     | SOMMERFELDT, J.        | USED TIR YEAR 5 MOD 8          | 397561    | 3041   | 8.00%    | 39,958.12    | 1,379.44       | 41,337.55   | 3.45%                   | 0.05%                 | 124.49             | 155.62                |
| EDU                         | * 3041     | SUH, Y.                | NSF TUES COLLABORATIVE RESEARC | 325871    | 3041   | 53.00%   | 332.53       | 176.24         | 508.77      | 53.00%                  | 0.01%                 | 15.91              | 19.88                 |
| EDU                         | * 3041     | SUH, Y.                | *SCHEV BUILDING LITERACY BLISS | 535211    | 3041   | 8.00%    | 5,937.53     | 382.49         | 6,320.01    | 6.44%                   | 0.01%                 | 34.52              | 43.15                 |
|                             |            | * Department Total:    |                                |           |        |          | 246,420.64   | 17,306.92      | 263,727.56  |                         | 0.61%                 | 1,561.92           | 1,952.41              |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                                 | Department | Principal Investigator<br>(See note) | Agency Title or Reference | Project #                      | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation |          |
|---|------------|--------------------------------------|---------------------------|--------------------------------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--------------------------|----------|
|   |            |                                      |                           |                                |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |                          |          |
| STEM Education and Professional Studies |            |                                      |                           |                                |        |             |                 |                   |                |                  | 256,142.00               | 320,178.00            |                          |          |
| EDU                                     | *          | 3042                                 | BURGIN, S.                | NSF GOOGLE EARTH FOR EDUCATION | 340681 | 3042        | 53.00%          | 159.09            | 84.32          | 243.41           | 53.00%                   | 0.00%                 | 7.61                     | 9.51     |
| EDU                                     | *          | 3042                                 | BURGIN, S.                | USED TIR YEAR 5 MOD 8          | 397561 | 3042        | 8.00%           | 39,958.12         | 1,379.44       | 41,337.55        | 3.45%                    | 0.05%                 | 124.49                   | 155.62   |
| EDU                                     | *          | 3042                                 | BURGIN, S.                | VADEQ FY13 WATER MONITOR PRGM  | 532571 | 3042        | 0.00%           | 38.19             | 0.00           | 38.19            | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | DAVIS, S.                 | DARS VATS-SE 2012-2013         | 530471 | 3042        | 0.00%           | 18,138.67         | 0.00           | 18,138.67        | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | DAVIS, S.                 | DARS VATS-SE 2013-2014         | 542391 | 3042        | 0.00%           | 5,559.18          | 0.00           | 5,559.18         | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | DICKERSON, D.             | NSF MCTECH STEM CAREERS NCTE   | 391471 | 3042        | 50.00%          | 3,382.33          | 1,691.16       | 5,073.49         | 50.00%                   | 0.06%                 | 152.63                   | 190.78   |
| EDU                                     | *          | 3042                                 | DICKERSON, D.             | VADEQ FY13 WATER MONITOR PRGM  | 532571 | 3042        | 0.00%           | 343.75            | 0.00           | 343.75           | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | ENDERSON, M.              | ODU/VDOE TCHR RECRUIT MASTER1  | 534901 | 3042        | 5.00%           | 55,910.43         | 2,703.70       | 58,614.12        | 4.84%                    | 0.10%                 | 244.01                   | 305.01   |
| EDU                                     | *          | 3042                                 | ENDERSON, M.              | ODU/VDOE MASTER1 YR 2          | 534902 | 3042        | 5.00%           | 29,434.32         | 1,471.71       | 30,906.03        | 5.00%                    | 0.05%                 | 132.82                   | 166.03   |
| EDU                                     | *          | 3042                                 | GRANT, M.                 | USED TECH SCALE UP MATH SCHOOL | 317101 | 3042        | 53.00%          | 199,576.92        | 14,926.66      | 214,503.59       | 7.48%                    | 0.53%                 | 1,347.12                 | 1,683.89 |
| EDU                                     | *          | 3042                                 | GRANT, M.                 | NNPS BOOST STUDENTS OF MIL FAM | 516611 | 3042        | 0.00%           | 3,867.11          | 0.00           | 3,867.11         | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | KATSILOUDIS, P.           | NSF ENGNRNG LAB INSTRUCT.      | 306021 | 3042        | 50.00%          | 2,039.62          | 989.81         | 3,029.43         | 48.53%                   | 0.03%                 | 89.33                    | 111.66   |
| EDU                                     | *          | 3042                                 | KATSILOUDIS, P.           | NSF WAVE ENERGY EDUCATION      | 326261 | 3042        | 53.00%          | 5,644.16          | 2,991.41       | 8,635.57         | 53.00%                   | 0.11%                 | 269.97                   | 337.46   |
| EDU                                     | *          | 3042                                 | KOSLOSKI, M.              | DARS VATS-SE 2012-2013         | 530471 | 3042        | 0.00%           | 18,138.67         | 0.00           | 18,138.67        | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | KOSLOSKI, M.              | DARS VATS-SE 2013-2014         | 542391 | 3042        | 0.00%           | 5,559.18          | 0.00           | 5,559.18         | 0.00%                    | 0.00%                 | -                        | -        |
| EDU                                     | *          | 3042                                 | MCKINNEY, S.              | NSF MCTECH STEM CAREERS NCTE   | 391471 | 3042        | 50.00%          | 3,382.33          | 1,691.16       | 5,073.49         | 50.00%                   | 0.06%                 | 152.63                   | 190.78   |
| EDU                                     | *          | 3042                                 | MORRISON, G.              | USED TECH SCALE UP MATH SCHOOL | 317101 | 3042        | 53.00%          | 199,576.92        | 14,926.66      | 214,503.59       | 7.48%                    | 0.53%                 | 1,347.12                 | 1,683.89 |
| EDU                                     | *          | 3042                                 | POND, L.                  | USED TIR YEAR 5 MOD 8          | 397561 | 3042        | 8.00%           | 39,958.12         | 1,379.44       | 41,337.55        | 3.45%                    | 0.05%                 | 124.49                   | 155.62   |
| EDU                                     | *          | 3042                                 | REED, P.                  | *OPP INC STEM YOUTH PROG MOD#3 | 726291 | 3042        | 10.00%          | 7,430.35          | 439.71         | 7,870.06         | 10.00%                   | 0.02%                 | 40.37                    | 49.60    |
| EDU                                     | *          | 3042                                 | REED, P.                  | *OPP INC STEM YOUTH PROG       | 726292 | 3042        | 10.00%          | 4,631.37          | 463.13         | 5,094.50         | 10.00%                   | 0.02%                 | 41.80                    | 52.25    |
| EDU                                     | *          | 3042                                 | RITZ, J.                  | NSF MICROPROCESSOR COURSE AMD1 | 311641 | 3042        | 50.00%          | 25,045.41         | 6,087.26       | 31,132.67        | 24.30%                   | 0.21%                 | 549.37                   | 686.71   |
| EDU                                     | *          | 3042                                 | WATSON, G.                | USAMRAA:NURSING TRAINING       | 225071 | 3042        | 60.00%          | 53,668.65         | 12,693.95      | 66,362.60        | 23.65%                   | 0.45%                 | 1,145.62                 | 1,432.02 |
| EDU                                     | *          | 3042                                 | WATSON, G.                | NSF GEO-ED VIRTUAL 4-D         | 304931 | 3042        | 50.00%          | 77.28             | 38.64          | 115.92           | 50.00%                   | 0.00%                 | 3.49                     | 4.36     |
| EDU                                     | *          | 3042                                 | WATSON, G.                | USED TIR YEAR 5 MOD 8          | 397561 | 3042        | 8.00%           | 14,984.29         | 517.29         | 15,501.58        | 3.45%                    | 0.02%                 | 46.68                    | 58.36    |
| EDU                                     | *          | 3042                                 | WATSON, G.                | *OPP INC STEM YOUTH PROG MOD#3 | 726291 | 3042        | 10.00%          | 7,430.35          | 439.71         | 7,870.06         | 10.00%                   | 0.02%                 | 39.68                    | 49.60    |
| EDU                                     | *          | 3042                                 | WATSON, G.                | *OPP INC STEM YOUTH PROG       | 726292 | 3042        | 10.00%          | 4,631.37          | 463.13         | 5,094.50         | 10.00%                   | 0.02%                 | 41.80                    | 52.25    |
| EDU                                     | *          | 3042                                 | WATSON, G.                | A2T2 OSD-0082-H02-3163 MODAMD3 | 786782 | 3042        | 50.00%          | 1,143.80          | 584.86         | 1,728.66         | 51.13%                   | 0.02%                 | 52.78                    | 65.98    |
| ENGR                                    | *          | 3042                                 | WATSON, G.                | A2T2 VRAM PHASE II MTBI MOD#4  | 702971 | 3042        | 50.00%          | 7,887.47          | 3,779.36       | 11,666.83        | 50.00%                   | 0.13%                 | 341.08                   | 426.35   |
| * Department Total:                     |            |                                      |                           |                                |        |             |                 | 757,597.43        | 69,742.50      | 827,339.94       |                          | 2.46%                 | 6,294.89                 | 7,867.73 |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College | Department                                    | Principal Investigator | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS   | TOTAL COSTS     | Effective        |                       |                    | Department Allocation |               |
|---------|---|------------------------|--------------------------------|-----------|--------|----------|--------------|------------------|-----------------|------------------|-----------------------|--------------------|-----------------------|---------------|
|         |   |                        |                                |           |        |          |              |                  |                 | Indirect Rate    | Allocation Percentage | Faculty Allocation |                       |               |
|         |   |                        |                                |           |        |          |              |                  |                 |                  |                       | <b>256,142.00</b>  | <b>320,178.00</b>     |               |
|         | Human Movement Sciences                       |                        |                                |           |        |          |              |                  |                 |                  |                       |                    |                       |               |
| EDU     | * 3044  | COLBERG, S.            | EVMS DEVELOP QLTY OF LIFE #2   | 510191    | 3044   | 53.00%   | 11,498.71    | 6,094.32         | 17,593.02       | 53.00%           | 0.21%                 | 550.01             | 687.51                |               |
| EDU     | * 3044  | COLBERG, S.            | ADA IMPACT EXERCISE TRAIN YR 2 | 717221    | 3044   | 15.00%   | 12,670.10    | (724.49)         | 11,945.62       | -5.72%           | -0.03%                | (65.38)            | (81.73)               |               |
| EDU     | * 3044  | GOMEZ, E.              | NTRF PROFILE & ECON IMPACTS    | 732621    | 3044   | 0.00%    | 835.30       | 0.00             | 835.30          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | HILL, E.               | NORFOLK CARE NOW BLAIR MIDDLE  | 525701    | 3044   | 0.00%    | 9,995.67     | 0.00             | 9,995.67        | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | HILL, E.               | NORFOLK CARE NOW LAFAYETTE     | 530871    | 3044   | 0.00%    | 9,870.02     | 0.00             | 9,870.02        | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | HILL, E.               | NTRF PROFILE & ECON IMPACTS    | 732621    | 3044   | 0.00%    | 835.30       | 0.00             | 835.30          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | HILL, E.               | UNITED WAY CARE NOW TASK 1     | 737481    | 3047   | 0.00%    | 4,798.60     | 0.00             | 4,798.60        | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | HILL, E.               | UNITED WAY CARE NOW TASK 2     | 737482    | 3044   | 0.00%    | 7,857.59     | 0.00             | 7,857.59        | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | IRMISCHER, B.          | ISB INFLUENCE OF FEMOR IMPINGE | 732851    | 3044   | 0.00%    | 639.82       | 0.00             | 639.82          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | 3044  | RIDINGER, L.           | NASSM BLOW THE WHISTLE         | 725191    | 3044   | 10.00%   | 637.75       | 63.78            | 701.53          | 10.00%           | 0.00%                 | 5.76               | 7.20                  |               |
| EDU     | * 3044  | RIDINGER, L.           | NTRF PROFILE & ECON IMPACTS    | 732621    | 3044   | 0.00%    | 835.30       | 0.00             | 835.30          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | SHAPIRO, S.            | NTRF PROFILE & ECON IMPACTS    | 732621    | 3044   | 0.00%    | 835.30       | 0.00             | 835.30          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3044  | WEINHANDL, J.          | ISB INFLUENCE OF FEMOR IMPINGE | 732851    | 3044   | 0.00%    | 639.82       | 0.00             | 639.82          | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | 3044  | ZHU, X.                | AAHPERD EFFECTS OF PHYS BEST   | 734831    | 3044   | 0.00%    | 1,024.59     | 0.00             | 1,024.59        | 0.00%            | 0.00%                 | -                  | -                     |               |
|         | * Department Total:                           |                        |                                |           |        |          |              | <b>62,973.85</b> | <b>5,433.61</b> | <b>68,407.46</b> |                       | <b>0.19%</b>       | <b>490.39</b>         | <b>612.98</b> |
|         | Communication Disorders and Special Education |                        |                                |           |        |          |              |                  |                 |                  |                       |                    |                       |               |
| EDU     | * 3045  | BAKER, C.              | USED PREP LEADER PERSONNEL YR4 | 390411    | 3045   | 8.00%    | 8,027.51     | 215.32           | 8,242.83        | 2.68%            | 0.01%                 | 19.43              | 24.29                 |               |
| EDU     | * 3045  | BAKER, C.              | CSEEP SE TRAINEESHIPS          | 531991    | 3045   | 8.00%    | 38,718.81    | 739.82           | 39,458.64       | 1.91%            | 0.03%                 | 66.77              | 83.46                 |               |
| EDU     | 3045  | BOBZIEN, J.            | ODURF SEED GRT UTIL VID FACE R | 533551    | 3045   | 0.00%    | 18,065.24    | 0.00             | 18,065.24       | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3045  | BUTLER, C.             | USED TIR YEAR 5 MOD 8          | 397561    | 3045   | 8.00%    | 39,958.12    | 1,379.44         | 41,337.55       | 3.45%            | 0.05%                 | 124.49             | 155.62                |               |
| EDU     | * 3045  | GABLE, R.              | TTAC 87661244H027A120107 MOD1  | 512063    | 3045   | 8.00%    | 163,758.41   | 12,813.59        | 176,572.00      | 7.82%            | 0.45%                 | 1,156.41           | 1,445.52              |               |
| EDU     | * 3045  | GABLE, R.              | PBIS 87661244H027A120107       | 512064    | 3045   | 8.00%    | 112,114.04   | 8,969.12         | 121,083.16      | 8.00%            | 0.32%                 | 809.45             | 1,011.82              |               |
| EDU     | * 3045  | GABLE, R.              | *TTAC 876-61244-H027A110107    | 521591    | 3045   | 8.00%    | 19,087.96    | 823.59           | 19,911.55       | 4.31%            | 0.03%                 | 74.33              | 92.91                 |               |
| EDU     | * 3045  | GABLE, R.              | *ESD 876-61244-H027A110107     | 521592    | 3045   | 8.00%    | 53,164.07    | 4,253.13         | 57,417.20       | 8.00%            | 0.15%                 | 383.84             | 479.80                |               |
| EDU     | * 3045  | GABLE, R.              | *619 876-62685-H173A110112     | 521601    | 3045   | 8.00%    | 6,630.32     | 530.43           | 7,160.75        | 8.00%            | 0.02%                 | 47.87              | 59.84                 |               |
| EDU     | * 3045  | GABLE, R.              | CSEEP SE TRAINEESHIPS          | 531991    | 3045   | 8.00%    | 38,718.81    | 739.82           | 39,458.64       | 1.91%            | 0.03%                 | 66.77              | 83.46                 |               |
| EDU     | * 3045  | GABLE, R.              | 876-61270-H323A120026 SPDG M1  | 532421    | 3045   | 8.00%    | 26,388.78    | 2,111.10         | 28,499.88       | 8.00%            | 0.07%                 | 190.52             | 238.16                |               |
| EDU     | * 3045  | GABLE, R.              | VDOE SPEC EDU ENDORS PROG      | 540571    | 3045   | 0.00%    | 28,703.17    | 0.00             | 28,703.17       | 0.00%            | 0.00%                 | -                  | -                     |               |
| EDU     | * 3045  | GABLE, R.              | TTAC 87661244H027A130172       | 542121    | 3045   | 8.00%    | 71,372.15    | 5,709.78         | 77,081.93       | 8.00%            | 0.20%                 | 515.30             | 644.13                |               |
| EDU     | * 3045  | GABLE, R.              | PBIS 87661244H027A130172       | 542122    | 3045   | 8.00%    | 36,180.88    | 2,894.47         | 39,075.35       | 8.00%            | 0.10%                 | 261.22             | 326.53                |               |
| EDU     | * 3045  | GABLE, R.              | PRESCHOOL 87662685H173A130112  | 542131    | 3045   | 8.00%    | 34,830.80    | 2,786.47         | 37,617.26       | 8.00%            | 0.10%                 | 251.48             | 314.34                |               |
| EDU     | * 3045  | GABLE, R.              | PRESCHOOL 87662685H173A120112  | 511152    | 3045   | 8.00%    | 56,505.95    | 4,520.48         | 61,026.43       | 8.00%            | 0.16%                 | 407.97             | 509.96                |               |
| EDU     | * 3045  | GEAR, S.               | USED TIR YEAR 5 MOD 8          | 397561    | 3045   | 8.00%    | 39,958.12    | 1,379.44         | 41,337.55       | 3.45%            | 0.05%                 | 124.49             | 155.62                |               |
| EDU     | * 3045  | HESTER, P.             | USED PREP LEADER PERSONNEL YR4 | 390411    | 3045   | 8.00%    | 72,247.63    | 1,937.85         | 74,185.48       | 2.68%            | 0.07%                 | 174.89             | 218.61                |               |
| EDU     | 3045  | RAYMER, A.             | NIH COMM. OUTCOMES IN APHASIA  | 381571    | 3045   | 50.00%   | 1,460.29     | 430.15           | 1,890.44        | 29.46%           | 0.02%                 | 38.82              | 48.53                 |               |
| EDU     | * 3045  | RAYMER, A.             | A2T2 OSD-0082-H02-3163 MODAMD3 | 786782    | 3045   | 50.00%   | 1,143.80     | 584.86           | 1,728.66        | 51.13%           | 0.02%                 | 52.78              | 65.98                 |               |
| EDU     | * 3045  | RAYMER, A.             | USED TIR YEAR 5 MOD 8          | 397561    | 3045   | 8.00%    | 14,984.29    | 517.29           | 15,501.58       | 3.45%            | 0.02%                 | 46.68              | 58.36                 |               |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                                | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                                     | Department<br>Allocation<br>320,178.00 |
|--|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-------------------------------------|--|
|  |            |                                      |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation<br>256,142.00 |  |
| EDU                                    | * 3045     | TONELSON, S.                         | PRESCHOOL 87662685H173A120112  | 511152    | 3045   | 8.00%       | 56,505.95       | 4,520.48          | 61,026.43      | 8.00%            | 0.16%                    | 407.97                              | 509.96                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | TTAC 876611244H027A120107 MOD1 | 512063    | 3045   | 8.00%       | 163,758.41      | 12,813.59         | 176,572.00     | 7.82%            | 0.45%                    | 1,156.41                            | 1,445.52                               |
| EDU                                    | * 3045     | TONELSON, S.                         | PBIS 87661244H027A120107       | 512064    | 3045   | 8.00%       | 112,114.04      | 8,969.12          | 121,083.16     | 8.00%            | 0.32%                    | 809.45                              | 1,011.82                               |
| EDU                                    | * 3045     | TONELSON, S.                         | *CSEEP 876-62555-H027A100107   | 512781    | 3045   | 8.00%       | 0.00            | 0.01              | 0.01           | --               | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3045     | TONELSON, S.                         | CSEEP IRN SPEC EDU PERSON 1-8  | 520612    | 3045   | 0.00%       | (1.00)          | 0.00              | (1.00)         | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3045     | TONELSON, S.                         | *TTAC 876-61244-H027A110107    | 521591    | 3045   | 8.00%       | 19,087.96       | 823.59            | 19,911.55      | 4.31%            | 0.03%                    | 74.33                               | 92.91                                  |
| EDU                                    | * 3045     | TONELSON, S.                         | *ESD 876-61244-H027A110107     | 521592    | 3045   | 8.00%       | 53,164.07       | 4,253.13          | 57,417.20      | 8.00%            | 0.15%                    | 383.84                              | 479.80                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | *619 876-62685-H173A110112     | 521601    | 3045   | 8.00%       | 6,630.32        | 530.43            | 7,160.75       | 8.00%            | 0.02%                    | 47.87                               | 59.84                                  |
| EDU                                    | * 3045     | TONELSON, S.                         | VISUAL IMPAIRMENT INI ADD END  | 531851    | 3045   | 8.00%       | 15,757.26       | 872.50            | 16,629.76      | 5.54%            | 0.03%                    | 78.74                               | 98.43                                  |
| EDU                                    | * 3045     | TONELSON, S.                         | CSEEP SE TRAINEESHIPS          | 531991    | 3045   | 8.00%       | 77,437.63       | 1,479.65          | 78,917.27      | 1.91%            | 0.05%                    | 133.54                              | 166.92                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | 876-61270-H323A120026 SPDG M1  | 532421    | 3045   | 8.00%       | 26,388.78       | 2,111.10          | 28,499.88      | 8.00%            | 0.07%                    | 190.52                              | 238.16                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | STATE PROG APPLIED BEHAV ANALY | 534971    | 3045   | 8.00%       | 9,870.03        | 789.60            | 10,659.63      | 8.00%            | 0.03%                    | 71.26                               | 89.08                                  |
| EDU                                    | * 3045     | TONELSON, S.                         | VDOE SPEC EDU ENDORS PROG      | 540571    | 3045   | 0.00%       | 28,703.17       | 0.00              | 28,703.17      | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3045     | TONELSON, S.                         | TTAC 87661244H027A130172       | 542121    | 3045   | 8.00%       | 71,372.15       | 5,709.78          | 77,081.93      | 8.00%            | 0.20%                    | 515.30                              | 644.13                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | PBIS 87661244H027A130172       | 542122    | 3045   | 8.00%       | 36,180.88       | 2,894.47          | 39,075.35      | 8.00%            | 0.10%                    | 261.22                              | 326.53                                 |
| EDU                                    | * 3045     | TONELSON, S.                         | PRESCHOOL 87662685H173A130112  | 542131    | 3045   | 8.00%       | 34,830.80       | 2,786.47          | 37,617.26      | 8.00%            | 0.10%                    | 251.48                              | 314.34                                 |
| * Department Total:                    |            |                                      |                                |           |        |             | 1,593,819.54    | 101,890.00        | 1,695,709.54   |                  | 3.59%                    | 9,195.44                            | 11,494.38                              |
| Educational Foundations and Leadership |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                                     |  |
| EDU                                    | * 3046     | BAUTTI-ROCHE, J.                     | DOJ GENDER BASED VIOLENCE PREV | 325131    | 3046   | 0.00%       | 12,489.73       | 0.00              | 12,489.73      | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3046     | BOL, L.                              | USED TECH SCALE UP MATH SCHOOL | 317101    | 3046   | 53.00%      | 199,576.92      | 14,926.66         | 214,503.59     | 7.48%            | 0.53%                    | 1,347.12                            | 1,683.89                               |
| EDU                                    | * 3046     | BURNETT, D.                          | HAMPTON SCHOOLS GEAR UP AMD #7 | 593191    | 3046   | 8.00%       | 53,793.92       | 4,303.52          | 58,097.44      | 8.00%            | 0.15%                    | 388.39                              | 485.49                                 |
| EDU                                    | * 3046     | GREGORY, D.                          | DOJ GENDER BASED VIOLENCE PREV | 325131    | 3046   | 0.00%       | 15,265.23       | 0.00              | 15,265.23      | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3046     | JOHNSON, K.                          | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 3046   | 8.00%       | 18,180.34       | 1,294.50          | 19,474.84      | 7.12%            | 0.05%                    | 116.83                              | 146.03                                 |
| EDU                                    | * 3046     | MYRAN, S.                            | USDED "GEN-F" YR5 & SUPPLEMENT | 385875    | 3046   | 26.00%      | 15,398.33       | 4,003.57          | 19,401.90      | 26.00%           | 0.14%                    | 361.32                              | 451.65                                 |
| EDU                                    | * 3046     | OSBORNE, J.                          | DANTES T2T FOLLOW-UP STUDY     | 215691    | 3046   | 10.00%      | 6,283.20        | 618.32            | 6,901.52       | 9.84%            | 0.02%                    | 55.80                               | 69.75                                  |
| EDU                                    | * 3046     | OWINGS, W.                           | DANTES T2T FOLLOW-UP STUDY     | 215691    | 3046   | 10.00%      | 40,840.80       | 4,019.08          | 44,859.88      | 9.84%            | 0.14%                    | 362.72                              | 453.40                                 |
| EDU                                    | * 3046     | SANZO, K.                            | USDED "GEN-F" YR5 & SUPPLEMENT | 385875    | 3046   | 26.00%      | 46,195.00       | 12,010.70         | 58,205.70      | 26.00%           | 0.42%                    | 1,083.95                            | 1,354.94                               |
| EDU                                    | * 3046     | SCRIBNER, J.                         | USED TIR YEAR 5 MOD 8          | 397561    | 3046   | 8.00%       | 14,984.29       | 517.29            | 15,501.58      | 3.45%            | 0.02%                    | 46.68                               | 58.36                                  |
| * Department Total:                    |            |                                      |                                |           |        |             | 423,007.77      | 41,693.64         | 464,701.41     |                  | 1.47%                    | 3,762.81                            | 4,703.51                               |
| Counseling and Human Services          |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                                     |  |
| EDU                                    | * 3047     | CRAIGEN, L.                          | VBCPS ODU COUNSELING PROGRAM   | 525561    | 3047   | 0.00%       | 5,228.34        | 0.00              | 5,228.34       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | CRAIGEN, L.                          | NNPS BOOST STUDENTS OF MIL FAM | 516611    | 3047   | 0.00%       | 7,734.23        | 0.00              | 7,734.23       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | JOHNSON, K.                          | VCU IMPACT OF VIRTUAL HEALTH   | 537771    | 3047   | 0.00%       | 1,370.99        | 0.00              | 1,370.99       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | LEVINGSTON, K.                       | VBCPS ODU COUNSELING PROGRAM   | 525561    | 3047   | 0.00%       | 7,842.52        | 0.00              | 7,842.52       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | LEVINGSTON, K.                       | GIVE AN HOUR COMM. BLUEPRINT   | 722681    | 3047   | 29.00%      | 476.01          | 138.04            | 614.05         | 29.00%           | 0.00%                    | 12.46                               | 15.57                                  |
| EDU                                    | * 3047     | LEVINGSTON, K.                       | GAH STUDENT VET ASSOCIATION    | 726311    | 3047   | 0.00%       | 3,231.58        | 0.00              | 3,231.58       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | LEVINGSTON, K.                       | NNPS BOOST STUDENTS OF MIL FAM | 516611    | 3047   | 0.00%       | 3,867.11        | 0.00              | 3,867.11       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | MILLIKEN, T.                         | NORFOLK CARE NOW BLAIR MIDDLE  | 525701    | 3047   | 0.00%       | 9,995.67        | 0.00              | 9,995.67       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | MILLIKEN, T.                         | NORFOLK CARE NOW LAFAYETTE     | 530871    | 3047   | 0.00%       | 9,870.02        | 0.00              | 9,870.02       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | MILLIKEN, T.                         | UNITED WAY CARE NOW TASK 1     | 737481    | 3047   | 0.00%       | 4,798.60        | 0.00              | 4,798.60       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | MILLIKEN, T.                         | UNITED WAY CARE NOW TASK 2     | 737482    | 3047   | 0.00%       | 7,857.59        | 0.00              | 7,857.59       | 0.00%            | 0.00%                    | -                                   | -                                      |
| EDU                                    | * 3047     | SCHWITZER, A.                        | NCSB COMMUNITY COUNSELING YR3  | 706272    | 3047   | 0.00%       | 5,800.04        | 0.00              | 5,800.04       | 0.00%            | 0.00%                    | -                                   | -                                      |
| * Department Total:                    |            |                                      |                                |           |        |             | 68,072.69       | 138.04            | 68,210.73      |                  | 0.00%                    | 12.46                               | 15.57                                  |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College          | Department | Principal Investigator                | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS    | INDIRECT COSTS | TOTAL COSTS     | Effective Indirect Rate | Allocation Percentage | Faculty Allocation | Department Allocation |           |
|------------------|------------|---------------------------------------|--------------------------------|-----------|--------|----------|-----------------|----------------|-----------------|-------------------------|-----------------------|--------------------|-----------------------|-----------|
|                  | *          | (See note)                            |                                |           |        |          |                 |                |                 |                         |                       | 256,142.00         | 320,178.00            |           |
|                  |            | Department for Educational Leadership |                                |           |        |          |                 |                |                 |                         |                       |                    |                       |           |
| EDU              | * 3048     | ARNOLD, P.                            | USED TECH SCALE UP MATH SCHOOL | 317101    | 3048   | 53.00%   | 399,153.85      | 29,853.32      | 429,007.17      | 7.48%                   | 1.05%                 | 2,694.23           | 3,367.79              |           |
| EDU              | * 3048     | ARNOLD, P.                            | NNPS MILITARY PROG EVALUATION  | 516581    | 3048   | 0.00%    | 5,037.02        | 0.00           | 5,037.02        | 0.00%                   | 0.00%                 | -                  | -                     |           |
| EDU              | * 3048     | CHAPPELL, S.                          | DANTES T2T FOLLOW-UP STUDY     | 215691    | 3048   | 10.00%   | 15,708.00       | 1,545.80       | 17,253.80       | 9.84%                   | 0.05%                 | 139.51             | 174.38                |           |
| EDU              | * 3048     | CHAPPELL, S.                          | NNPS MILITARY PROG EVALUATION  | 516581    | 3048   | 0.00%    | 5,037.02        | 0.00           | 5,037.02        | 0.00%                   | 0.00%                 | -                  | -                     |           |
| EDU              | * 3048     | CHAPPELL, S.                          | USED TECH SCALE UP MATH SCHOOL | 317101    | 3048   | 53.00%   | 199,576.92      | 14,926.66      | 214,503.59      | 7.48%                   | 0.53%                 | 1,347.12           | 1,683.89              |           |
| EDU              | 3048       | GARNER, J.                            | NSF COLLAB NETWORK ENGR AMBASS | 333151    | 3048   | 26.00%   | 3,778.70        | 982.46         | 4,761.16        | 26.00%                  | 0.03%                 | 88.67              | 110.83                |           |
| EDU              | * 3048     | GARNER, J.                            | NNPS MILITARY PROG EVALUATION  | 516581    | 3048   | 0.00%    | 10,074.03       | 0.00           | 10,074.03       | 0.00%                   | 0.00%                 | -                  | -                     |           |
| EDU              | * 3048     | GARNER, J.                            | *ODU/VDOE LENS MODEL HS SCIENC | 524481    | 3048   | 8.00%    | 89,954.72       | 2,779.78       | 92,734.50       | 3.09%                   | 0.10%                 | 250.87             | 313.59                |           |
| EDU              | * 3048     | GARNER, J.                            | *ODU/VDOE LENS PROF DEVEL MOD1 | 532151    | 3048   | 8.00%    | 25,678.65       | 2,004.70       | 27,683.34       | 7.81%                   | 0.07%                 | 180.92             | 226.15                |           |
| EDU              | * 3048     | NUNNERY, J.                           | USED TECH SCALE UP MATH SCHOOL | 317101    | 3048   | 53.00%   | 798,307.70      | 59,706.64      | 858,014.34      | 7.48%                   | 2.07%                 | 5,388.46           | 6,735.58              |           |
| EDU              | * 3048     | NUNNERY, J.                           | NNPS MILITARY PROG EVALUATION  | 516581    | 3048   | 0.00%    | 5,037.02        | 0.00           | 5,037.02        | 0.00%                   | 0.00%                 | -                  | -                     |           |
|                  |            | * Department Total:                   |                                |           |        |          |                 | 1,557,343.61   | 111,799.36      | 1,669,142.97            |                       | 3.90%              | 10,089.78             | 12,612.21 |
| ** College Total |            |                                       |                                |           |        |          | \$ 4,889,138.63 | \$ 360,232.90  | \$ 5,249,371.53 |                         | 12.69%                | \$ 32,511.32       | \$ 40,638.35          |           |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                               | Department | Principal Investigator<br>(See note) | Agency Title or Reference       | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation |
|---------------------------------------|------------|--------------------------------------|---------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|
|                                       |            |                                      |                                 |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                       |
| College of Engineering And Technology |            |                                      |                                 |           |        |          |              |                |             |               |                       |                    |                       |
| Dean's Office                         |            |                                      |                                 |           |        |          |              |                |             |               |                       |                    |                       |
| ENGR                                  | * 4051     | BAYSAL, O.                           | UM NAVAL ENGINEERING YEAR 4     | 502534    | 4051   | 53.00%   | 14,806.14    | 7,694.47       | 22,500.61   | 51.97%        | 0.27%                 | 694.42             | 868.02                |
| ENGR                                  | 4051       | BAYSAL, O.                           | TURKISH AF STUDENTS 2010-2012   | 780271    | 4051   | 0.00%    | 36,345.58    | 0.00           | 36,345.58   | 0.00%         | 0.00%                 | -                  | -                     |
| ENGR                                  | 4051       | VAHALA, L.                           | DOE TOPICS IN PLASMA PHYS M17   | 351161    | 4051   | 42.00%   | 16,359.77    | 5,481.08       | 21,840.85   | 33.50%        | 0.19%                 | 494.66             | 618.33                |
| ENGR                                  | 4051       | VAHALA, L.                           | W&M LATT ALGOR FOR TURBULENCE   | 520011    | 4051   | 53.00%   | 701.44       | 371.76         | 1,073.20    | 53.00%        | 0.01%                 | 33.55              | 41.94                 |
| ENGR                                  | * 4051     | VAHALA, L.                           | NIA ODU-04-01 2946-OD SUPP65    | 735361    | 4051   | 26.00%   | 1,454.35     | 378.13         | 1,832.47    | 26.00%        | 0.01%                 | 34.13              | 42.66                 |
| * Department Total:                   |            |                                      |                                 |           |        |          | 69,667.27    | 13,925.44      | 83,592.71   |               | 0.49%                 | 1,256.76           | 1,570.95              |
| Civil and Environmental Engineering   |            |                                      |                                 |           |        |          |              |                |             |               |                       |                    |                       |
| ENGR                                  | * 4053     | CETIN, M.                            | VDOT EQ METHOD FOR TRAVEL DEM   | 514421    | 4053   | 10.00%   | 9.26         | 0.96           | 10.22       | 10.41%        | 0.00%                 | 0.09               | 0.11                  |
| ENGR                                  | * 4053     | CETIN, M.                            | VCTIR UNMET DATA NEEDS AMEND 2  | 516861    | 4053   | 95.00%   | 324.59       | 38.95          | 363.54      | 12.00%        | 0.00%                 | 3.52               | 4.39                  |
| ENGR                                  | * 4053     | CETIN, M.                            | *UI USDOT UTC TRANSLIVE AMEND#2 | 521701    | 4053   | 53.00%   | 12,537.60    | 6,644.93       | 19,182.53   | 53.00%        | 0.23%                 | 599.70             | 749.62                |
| ENGR                                  | * 4053     | CETIN, M.                            | UI USDOT UTC TRANSLIVE KHATTAK  | 521702    | 4053   | 53.00%   | 19,805.09    | 10,496.70      | 30,301.79   | 53.00%        | 0.37%                 | 947.32             | 1,184.15              |
| ENGR                                  | * 4053     | CETIN, M.                            | *UI USDOT TRANSLIVE ROBINSON    | 521705    | 4053   | 53.00%   | 2,225.99     | 1,179.78       | 3,405.77    | 53.00%        | 0.04%                 | 106.47             | 133.09                |
| ENGR                                  | * 4053     | CETIN, M.                            | *UI USDOT TRANSLIVE IFTEKHARUD  | 521706    | 4053   | 53.00%   | 6,781.82     | 3,594.36       | 10,376.18   | 53.00%        | 0.13%                 | 324.39             | 405.48                |
| ENGR                                  | 4053       | CETIN, M.                            | ODUOR EXPLOITING BLUETOOTH TEC  | 523911    | 4053   | 0.00%    | (265.54)     | 0.00           | (265.54)    | 0.00%         | 0.00%                 | -                  | -                     |
| ENGR                                  | 4053       | CETIN, M.                            | *VCTIR HRBT CONGESTION          | 526751    | 4053   | 12.00%   | 36,203.12    | 4,344.37       | 40,547.49   | 12.00%        | 0.15%                 | 392.07             | 490.09                |
| ENGR                                  | 4053       | CETIN, M.                            | CIT REDUCE ENERGY MOD#1         | 533611    | 4053   | 30.00%   | 1,825.28     | 547.59         | 2,372.87    | 30.00%        | 0.02%                 | 49.42              | 61.77                 |
| ENGR                                  | * 4053     | ERTEN-UNAL, M.                       | HU SOLAR DECATHLON 2013 MOD#3   | 722461    | 4053   | 28.00%   | 3,933.51     | 1,101.38       | 5,034.89    | 28.00%        | 0.04%                 | 99.40              | 124.25                |
| ENGR                                  | 4053       | KHATTAK, A.                          | VDOT NATL TRAVEL SURVEY         | 511371    | 4053   | 95.00%   | 12,209.86    | 2,071.13       | 14,280.99   | 16.96%        | 0.07%                 | 186.92             | 233.65                |
| ENGR                                  | * 4053     | KHATTAK, A.                          | VDOT EQ METHOD FOR TRAVEL DEM   | 514421    | 4053   | 10.00%   | 9.26         | 0.96           | 10.22       | 10.41%        | 0.00%                 | 0.09               | 0.11                  |
| ENGR                                  | * 4053     | KHATTAK, A.                          | VCTIR UNMET DATA NEEDS AMEND 2  | 516861    | 4053   | 95.00%   | 649.18       | 77.91          | 727.09      | 12.00%        | 0.00%                 | 7.03               | 8.79                  |
| ENGR                                  | 4053       | KUMAR, S.                            | EPA MICROALGAE NUTRIENT RECOV.  | 333001    | 4053   | 53.00%   | 2,844.53     | 1,507.59       | 4,352.12    | 53.00%        | 0.05%                 | 136.06             | 170.07                |
| ENGR                                  | * 4053     | KUMAR, S.                            | SEED GRANT:SUSTAINABLE FUTUD    | 533571    | 4053   | 0.00%    | 5,605.59     | 0.00           | 5,605.59    | 0.00%         | 0.00%                 | -                  | -                     |
| ENGR                                  | 4053       | KUMAR, S.                            | TYTON TOBACCO EXTRACTION PH2    | 724102    | 4053   | 30.00%   | 15,580.75    | 4,674.11       | 20,254.86   | 30.00%        | 0.16%                 | 421.83             | 527.29                |
| ENGR                                  | 4053       | KUMAR, S.                            | FIBERIGHT BIOMASS SAMPLES       | 736181    | 4053   | 53.00%   | 17,205.53    | 9,118.92       | 26,324.45   | 53.00%        | 0.32%                 | 822.97             | 1,028.72              |
| ENGR                                  | 4053       | KUMAR, S.                            | VAST EVALUATE STABILITY         | 737041    | 4053   | 53.00%   | 1,634.00     | 866.00         | 2,500.00    | 53.00%        | 0.03%                 | 78.16              | 97.69                 |
| ENGR                                  | 4053       | KUMAR, S.                            | TYTON PILOT SCALE HYDROLYSIS    | 741311    | 4053   | 26.00%   | 825.00       | 214.50         | 1,039.50    | 26.00%        | 0.01%                 | 19.36              | 24.20                 |
| ENGR                                  | 4053       | MA, G.                               | NSF COLLAB INTERACTION WAVES    | 334251    | 4053   | 53.00%   | 1,678.48     | 889.59         | 2,568.07    | 53.00%        | 0.03%                 | 80.28              | 100.36                |
| ENGR                                  | * 4053     | NGUYEN, D.                           | ODUOR PROFILE & ECON IMPACT     | 533561    | 4053   | 0.00%    | 7,929.21     | 0.00           | 7,929.21    | 0.00%         | 0.00%                 | -                  | -                     |
| ENGR                                  | 4053       | SCHAFFRAN, G.                        | HRSD DEAMMON. PILOT YR 2        | 520912    | 4053   | 26.00%   | 6,298.85     | 1,637.70       | 7,936.55    | 26.00%        | 0.06%                 | 147.80             | 184.75                |
| ENGR                                  | 4053       | SCHAFFRAN, G.                        | HRSD DEAMM PILOT STUDY YR3      | 520913    | 4053   | 26.00%   | 7,160.32     | 1,396.26       | 8,556.58    | 19.50%        | 0.05%                 | 126.01             | 157.51                |
| ENGR                                  | * 4053     | SCHAFFRAN, G.                        | ALT ENERGY PROGRAM - RACEWAYS   | 597981    | 4053   | 0.00%    | (347.28)     | 0.00           | (347.28)    | 0.00%         | 0.00%                 | -                  | -                     |
| ENGR                                  | 4053       | WANG, X.                             | ODU/IMAU DYNAMIC WATERSHED      | 723701    | 4053   | 53.00%   | 4,100.00     | 2,173.00       | 6,273.00    | 53.00%        | 0.08%                 | 196.11             | 245.14                |
| ENGR                                  | * 4053     | YOON, J.                             | NSF ENGNRNG LAB INSTRUCT.       | 306021    | 4053   | 50.00%   | 2,039.62     | 989.81         | 3,029.43    | 48.53%        | 0.03%                 | 89.33              | 111.66                |
| ENGR                                  | 4053       | YOON, J.                             | B&C PIPE FAILURE EVENTS         | 737501    | 4053   | 53.00%   | 3,206.00     | 1,699.00       | 4,905.00    | 52.99%        | 0.06%                 | 153.33             | 191.67                |
| * Department Total:                   |            |                                      |                                 |           |        |          | 172,009.62   | 55,265.50      | 227,275.12  |               | 1.95%                 | 4,987.66           | 6,234.56              |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College | Department                          | Principal Investigator<br>(See note) | Agency Title or Reference       | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|---------|-------------------------------------|--------------------------------------|---------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--|--|
|         |                                     |                                      |                                 |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |  |  |
|         | Electrical and Computer Engineering |                                      |                                 |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| ENGR    | 4054                                | BAUMGART, H.                         | UVA VMEC FY13                   | 531100    | 4054   | 0.00%       | 540.26          | 0.00              | 540.26         | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | * 4054                              | BELFORE, L.                          | EVMS STANDARDIZED PATIENT MOD4  | 506651    | 4054   | 26.00%      | 4,493.37        | 1,168.28          | 5,661.65       | 26.00%           | 0.04%                    | 105.44                | 131.79                                 |  |
| ENGR    | 4054                                | CHEN, C.                             | UTK MDA MULTI SENSOR TARGET M1  | 525081    | 4054   | 53.00%      | 22,704.54       | 12,033.40         | 34,737.94      | 53.00%           | 0.42%                    | 1,086.00              | 1,357.50                               |  |
| ENGR    | * 4054                              | DHALI, S.                            | ARRA UM REVITALIZE POWER AMD3   | 512401    | 4054   | 50.00%      | 928.16          | 464.08            | 1,392.24       | 50.00%           | 0.02%                    | 41.88                 | 52.35                                  |  |
| ENGR    | * 4054                              | DHALI, S.                            | CIT EMBED HEALTH LG SOLAR       | 524591    | 4054   | 0.00%       | 3,507.79        | 0.00              | 3,507.79       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | * 4054                              | DHALI, S.                            | CIT SMART COMBINER RSDNTL PHOT  | 533451    | 4054   | 0.00%       | 3,048.26        | 0.00              | 3,048.26       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | * 4054                              | DHALI, S.                            | DOMINION RESOURCES SVS TST FAC  | 734301    | 4054   | 53.00%      | 32,519.28       | 17,119.30         | 49,638.58      | 52.64%           | 0.60%                    | 1,545.00              | 1,931.25                               |  |
| ENGR    | * 4054                              | DHALI, S.                            | HU SOLAR DECATHLON 2013 MOD#3   | 722461    | 4054   | 28.00%      | 2,809.65        | 786.70            | 3,596.35       | 28.00%           | 0.03%                    | 71.00                 | 88.75                                  |  |
| ENGR    | 4054                                | GONZALEZ, O.                         | NIA ODU-04-01 SUB2951 SUPP61    | 735051    | 4054   | 26.00%      | 14,514.66       | 3,773.83          | 18,288.49      | 26.00%           | 0.13%                    | 340.58                | 425.73                                 |  |
| ENGR    | 4054                                | IFTEKHARUDDIN, K.                    | NASA HIGH POWER LASER RADAR     | 130171    | 4054   | 0.00%       | 90,000.00       | 0.00              | 90,000.00      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | 4054                                | IFTEKHARUDDIN, K.                    | NIH BRAIN TUMOR DETECTION       | 325121    | 4054   | 53.00%      | 66,665.41       | 18,807.14         | 85,472.55      | 28.21%           | 0.66%                    | 1,697.33              | 2,121.66                               |  |
| ENGR    | 4054                                | IFTEKHARUDDIN, K.                    | NSF HIGH PERFORMANCE CSRN       | 331671    | 4054   | 53.00%      | 5,074.64        | 2,689.56          | 7,764.20       | 53.00%           | 0.09%                    | 242.73                | 303.41                                 |  |
| ENGR    | 4054                                | IFTEKHARUDDIN, K.                    | LLNL OVERHEAD IMAGE SEGMENTATI  | 735831    | 4054   | 53.00%      | 33,334.53       | 17,667.30         | 51,001.83      | 53.00%           | 0.62%                    | 1,594.46              | 1,993.07                               |  |
| ENGR    | * 4054                              | IFTEKHARUDDIN, K.                    | URS DIGITAL RECEIVER TECH       | 726451    | 4054   | 53.00%      | 3,570.11        | 1,892.16          | 5,462.26       | 53.00%           | 0.07%                    | 170.77                | 213.46                                 |  |
| ENGR    | 4054                                | JOSHI, R.                            | ONR MOD STUDY MULTI CAV MOD#2   | 235481    | 4054   | 60.00%      | 17,886.94       | 10,732.17         | 28,619.11      | 60.00%           | 0.38%                    | 968.57                | 1,210.71                               |  |
| ENGR    | * 4054                              | JOSHI, R.                            | NSF WAVE ENERGY EDUCATION       | 326261    | 4054   | 53.00%      | 7,760.72        | 4,113.18          | 11,873.91      | 53.00%           | 0.14%                    | 371.21                | 464.01                                 |  |
| ENGR    | 4054                                | JOSHI, R.                            | NSU MODELING SURFACES AMD#1     | 517481    | 4054   | 60.00%      | 17,865.55       | 10,719.32         | 28,584.87      | 60.00%           | 0.38%                    | 967.41                | 1,209.26                               |  |
| ENGR    | 4054                                | KRUSIENSKI, D.                       | NSF CONTROL ROBOTIC MOD#2       | 310981    | 4054   | 50.00%      | 77,639.99       | 38,820.01         | 116,460.00     | 50.00%           | 1.37%                    | 3,503.47              | 4,379.33                               |  |
| ENGR    | 4054                                | KRUSIENSKI, D.                       | *HRI BRAIN COMPUTER INTERFACE2  | 515471    | 4054   | 50.00%      | 5,890.66        | 2,945.34          | 8,836.00       | 50.00%           | 0.10%                    | 265.81                | 332.27                                 |  |
| ENGR    | 4054                                | LAROSSI, M.                          | COVIDIEN SRGCL SLTN TEST PLASM  | 735131    | 4054   | 53.00%      | 31,450.33       | 16,668.67         | 48,119.00      | 53.00%           | 0.59%                    | 1,504.33              | 1,880.41                               |  |
| ENGR    | 4054                                | LI, J.                               | IAI REMOTE PTSD MONITORING      | 723421    | 4054   | 53.00%      | 5,190.26        | 2,750.84          | 7,941.10       | 53.00%           | 0.10%                    | 248.26                | 310.33                                 |  |
| ENGR    | 4054                                | LI, J.                               | *IAI SMOLT SENSITIVE MENTAL WK  | 734211    | 4054   | 53.00%      | 9,811.00        | 5,200.00          | 15,011.00      | 53.00%           | 0.18%                    | 469.29                | 586.62                                 |  |
| ENGR    | * 4054                              | MARSILLAC, S.                        | CIT EMBED HEALTH LG SOLAR       | 524591    | 4054   | 0.00%       | 3,507.79        | 0.00              | 3,507.79       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | * 4054                              | MARSILLAC, S.                        | CIT SMART COMBINER RSDNTL PHOT  | 533451    | 4054   | 0.00%       | 2,438.61        | 0.00              | 2,438.61       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | * 4054                              | MARSILLAC, S.                        | DOMINION RESOURCES SVS TST FAC  | 734301    | 4054   | 53.00%      | 48,778.93       | 25,678.94         | 74,457.87      | 52.64%           | 0.90%                    | 2,317.50              | 2,896.87                               |  |
| ENGR    | * 4054                              | XIAO, S.                             | ARRA UM REVITALIZE POWER AMD3   | 512401    | 4054   | 50.00%      | 928.16          | 464.08            | 1,392.24       | 50.00%           | 0.02%                    | 41.88                 | 52.35                                  |  |
| ENGR    | 4054                                | XIAO, S.                             | ODUOR SEED GRANT PULSED RADIAT  | 523471    | 4054   | 0.00%       | (1,315.43)      | 0.00              | (1,315.43)     | 0.00%            | 0.00%                    | -                     | -                                      |  |
| ENGR    | 4054                                | XIAO, S.                             | UIC 2012-06880-02-01 AMD#1      | 534431    | 4054   | 53.00%      | 25,467.08       | 13,497.56         | 38,964.64      | 53.00%           | 0.48%                    | 1,218.14              | 1,522.68                               |  |
| ENGR    | 4054                                | ZEMLIN, C.                           | ODURF DEFRI BRILLATION OF CARDI | 533541    | 4054   | 0.00%       | 40,738.24       | 0.00              | 40,738.24      | 0.00%            | 0.00%                    | -                     | -                                      |  |
|         |                                     | * Department Total:                  |                                 |           |        |             |                 | 577,749.49        | 207,991.86     | 785,741.34       |                          | 7.33%                 | 18,771.06                              | 23,463.81                              |



OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College | Department                           | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation |            |
|---------|--------------------------------------|--------------------------------------|--------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|------------|
|         |                                      |                                      |                                |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                       |            |
|         |                                      |                                      |                                |           |        |          |              |                |             |               |                       |                    | 256,142.00            | 320,178.00 |
|         | Mechanical and Aerospace Engineering |                                      |                                |           |        |          |              |                |             |               |                       |                    |                       |            |
| ENGR    | 4057                                 | ALBERTS, T.                          | SAIC MMI M3-ASCE APM STANDARDS | 731401    | 4057   | 53.00%   | (350.44)     | (185.73)       | (536.17)    | 53.00%        | -0.01%                | (16.76)            | (20.95)               |            |
| ENGR    | * 4057                               | BAO, H.                              | NSF MCTECH STEM CAREERS NCTE   | 391471    | 4057   | 50.00%   | 5,073.49     | 2,536.75       | 7,610.23    | 50.00%        | 0.09%                 | 228.94             | 286.17                |            |
| ENGR    | * 4057                               | BAO, H.                              | UM NAVAL ENGINEERING YEAR 4    | 502534    | 4057   | 53.00%   | 14,806.14    | 7,694.47       | 22,500.61   | 53.00%        | 0.27%                 | 694.42             | 868.02                |            |
| ENGR    | * 4057                               | BAWAB, S.                            | CSSG NUSS SIMULATOR MOD#2      | 710552    | 4057   | 53.00%   | 7,774.14     | 4,120.30       | 11,894.44   | 53.00%        | 0.15%                 | 371.85             | 464.82                |            |
| ENGR    | * 4057                               | BESKOK, A.                           | NSF DETECTION OF STATIC&DYNAMC | 331061    | 4057   | 53.00%   | 6,821.48     | 3,615.38       | 10,436.86   | 53.00%        | 0.13%                 | 326.28             | 407.86                |            |
| ENGR    | * 4057                               | BRITCHER, C.                         | NAWC MODEL FOR ROTOR THRUST M1 | 231621    | 4057   | 60.00%   | 4,660.47     | 2,796.28       | 7,456.74    | 60.00%        | 0.10%                 | 252.36             | 315.45                |            |
| ENGR    | 4057                                 | BRITCHER, C.                         | NIA 2013 RASC-AL ROBO OPS      | 734881    | 4057   | 0.00%    | 5,387.96     | 0.00           | 5,387.96    | 0.00%         | 0.00%                 | -                  | -                     |            |
| ENGR    | 4057                                 | BRITCHER, C.                         | *NIA BACKGROUND NOISE MOD#5    | 784682    | 4057   | 26.00%   | (156.22)     | (40.62)        | (196.84)    | 26.00%        | 0.00%                 | (3.67)             | (4.58)                |            |
| ENGR    | 4057                                 | BRITCHER, C.                         | NIA 0.3-METER TCT FACILITY     | 784690    | 4057   | 26.00%   | 5,631.85     | 1,464.28       | 7,096.13    | 26.00%        | 0.05%                 | 132.15             | 165.19                |            |
| ENGR    | * 4057                               | CHATURVEDI, S.                       | NSF ENGNRNG LAB INSTRUCT.      | 306021    | 4057   | 50.00%   | 4,623.13     | 2,243.57       | 6,866.70    | 48.53%        | 0.08%                 | 202.48             | 253.10                |            |
| ENGR    | * 4057                               | CREEDON, J.                          | LMI JPDO BPA                   | 733861    | 4057   | 53.00%   | 66,493.26    | 35,241.42      | 101,734.67  | 53.00%        | 1.24%                 | 3,180.50           | 3,975.63              |            |
| ENGR    | 4057                                 | CREEDON, J.                          | LMI SYS SUPP AVIATION RESEARCH | 742341    | 4057   | 53.00%   | 2,846.07     | 1,508.42       | 4,354.49    | 53.00%        | 0.05%                 | 136.13             | 170.17                |            |
| ENGR    | * 4057                               | HAO, J.                              | NSF DETECTION OF STATIC&DYNAMC | 331061    | 4057   | 53.00%   | 12,668.45    | 6,714.28       | 19,382.73   | 53.00%        | 0.24%                 | 605.96             | 757.45                |            |
| ENGR    | * 4057                               | HAO, J.                              | NSF ROBUST DESIGN MEMS MOD#1   | 383991    | 4057   | 42.00%   | 26,677.76    | 11,204.66      | 37,882.41   | 42.00%        | 0.39%                 | 1,011.21           | 1,264.01              |            |
| ENGR    | 4057                                 | HAO, J.                              | NSF REU ROBUST DESIGN MEMS     | 383992    | 4057   | 25.00%   | 2,850.25     | 712.56         | 3,562.81    | 25.00%        | 0.03%                 | 64.31              | 80.38                 |            |
| ENGR    | * 4057                               | HOU, G.                              | NSF WAVE ENERGY EDUCATION      | 326261    | 4057   | 53.00%   | 7,760.72     | 4,113.18       | 11,873.91   | 53.00%        | 0.14%                 | 371.21             | 464.01                |            |
| ENGR    | * 4057                               | HOU, G.                              | NSF ROBUST DESIGN MEMS MOD#1   | 383991    | 4057   | 42.00%   | 11,433.32    | 4,802.00       | 16,235.32   | 42.00%        | 0.17%                 | 433.38             | 541.72                |            |
| ENGR    | * 4057                               | HOU, G.                              | UM NAVAL ENGINEERING YEAR 4    | 502534    | 4057   | 53.00%   | 14,806.14    | 7,694.47       | 22,500.61   | 53.00%        | 0.27%                 | 694.42             | 868.02                |            |
| ENGR    | * 4057                               | HOU, G.                              | HU SOLAR DECATHLON 2013 MOD#3  | 722461    | 4057   | 28.00%   | 2,247.72     | 629.36         | 2,877.08    | 28.00%        | 0.02%                 | 56.80              | 71.00                 |            |
| ENGR    | * 4057                               | KOTINIS, M.                          | UM NAVAL ENGINEERING YEAR 4    | 502534    | 4057   | 53.00%   | 14,806.14    | 7,694.47       | 22,500.61   | 53.00%        | 0.27%                 | 694.42             | 868.02                |            |
| ENGR    | 4057                                 | LANDMAN, D.                          | NIA HIGH-REYNOLDS ACTIVE MOD 1 | 735421    | 4057   | 26.00%   | 3,103.39     | 806.87         | 3,910.26    | 26.00%        | 0.03%                 | 72.82              | 91.02                 |            |
| ENGR    | 4057                                 | LANDMAN, D.                          | NIA IN-SITU CALIBRATION MOD#3  | 784688    | 4057   | 26.00%   | 21,463.65    | 5,580.54       | 27,044.19   | 26.00%        | 0.20%                 | 503.64             | 629.55                |            |
| ENGR    | * 4057                               | LANDMAN, D.                          | NAWC MODEL FOR ROTOR THRUST M1 | 231621    | 4057   | 60.00%   | 6,990.70     | 4,194.41       | 11,185.12   | 60.00%        | 0.15%                 | 378.54             | 473.18                |            |
| ENGR    | * 4057                               | LUETKE, N.                           | HU SOLAR DECATHLON 2013 MOD#3  | 722461    | 4057   | 28.00%   | 2,247.72     | 629.36         | 2,877.08    | 28.00%        | 0.02%                 | 56.80              | 71.00                 |            |
| ENGR    | * 4057                               | PRABHAKARAN, R.                      | NSF ENGNRNG LAB INSTRUCT.      | 306021    | 4057   | 50.00%   | 2,447.54     | 1,187.77       | 3,635.31    | 48.53%        | 0.04%                 | 107.20             | 133.99                |            |
| ENGR    | * 4057                               | RINGLEB, S.                          | A2T2 VRAM PHASE II MTBI MOD#4  | 702971    | 4057   | 50.00%   | 15,774.94    | 7,558.72       | 23,333.66   | 50.00%        | 0.27%                 | 682.17             | 852.71                |            |
| ENGR    | 4057                                 | RINGLEB, S.                          | ISB CONGRESS TRAVEL GRANT      | 733441    | 4057   | 0.00%    | 1,000.00     | 0.00           | 1,000.00    | 0.00%         | 0.00%                 | -                  | -                     |            |
| ENGR    | * 4057                               | RINGLEB, S.                          | A2T2 OSD-0082-H02-3163 MODAMD3 | 786782    | 4057   | 50.00%   | 1,525.06     | 779.81         | 2,304.88    | 50.00%        | 0.03%                 | 70.38              | 87.97                 |            |
|         |                                      | * Department Total:                  |                                |           |        |          | 271,414.82   | 125,296.98     | 396,711.80  |               | 4.41%                 | 11,307.94          | 14,134.91             |            |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                 | Department   | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS           | INDIRECT COSTS       | TOTAL COSTS            | Effective     |                       |                     | Department Allocation |           |
|-------------------------|--|--------------------------------------|--------------------------------|-----------|--------|----------|------------------------|----------------------|------------------------|---------------|-----------------------|---------------------|-----------------------|-----------|
|                         |  |                                      |                                |           |        |          |                        |                      |                        | Indirect Rate | Allocation Percentage | Faculty Allocation  |                       |           |
|                         |  |                                      |                                |           |        |          |                        |                      |                        |               |                       | <b>256,142.00</b>   | <b>320,178.00</b>     |           |
|                         | Engineering Technology                             |                                      |                                |           |        |          |                        |                      |                        |               |                       |                     |                       |           |
| ENGR                    | * 4059   | FLORY, I.                            | CIT SMART COMBINER RSDNTL PHOT | 533451    | 4059   | 0.00%    | 609.65                 | 0.00                 | 609.65                 | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4059   | HSIUNG, S.                           | NSF MICROPROCESSOR COURSE AMD1 | 311641    | 4059   | 50.00%   | 50,090.83              | 12,174.52            | 62,265.35              | 24.30%        | 0.43%                 | 1,098.74            | 1,373.42              |           |
| ENGR                    | * 4059   | JONES, R.                            | NSF MICROPROCESSOR COURSE AMD1 | 311641    | 4059   | 50.00%   | 25,045.41              | 6,087.26             | 31,132.67              | 24.30%        | 0.21%                 | 549.37              | 686.71                |           |
| ENGR                    | * 4059   | LAWRENCE, R.                         | LONGWOOD ITTIP VA STEM CONNECT | 522941    | 4059   | 8.00%    | 4,633.43               | 290.68               | 4,924.11               | 6.27%         | 0.01%                 | 26.23               | 32.79                 |           |
| ENGR                    | * 4059   | LAWRENCE, R.                         | LONGWOOD ITTIP #12 VA STEM CNT | 536001    | 4059   | 8.00%    | 3,241.18               | 164.44               | 3,405.62               | 5.07%         | 0.01%                 | 14.84               | 18.55                 |           |
| ENGR                    | * 4059   | LAWRENCE, R.                         | URS DIGITAL RECEIVER TECH      | 726451    | 4059   | 53.00%   | 3,570.11               | 1,892.16             | 5,462.26               | 53.00%        | 0.07%                 | 170.77              | 213.46                |           |
| ENGR                    | * 4059   | MICHAELI, J.                         | UM NAVAL ENGINEERING YEAR 4    | 502534    | 4059   | 53.00%   | 14,806.14              | 7,694.47             | 22,500.61              | 51.97%        | 0.27%                 | 694.42              | 868.02                |           |
| ENGR                    | 4059   | TOMOVIC, M.                          | JSA GRA MOD#003REV TOMOVIC, M  | 712334    | 4059   | 0.00%    | 11,410.49              | 0.00                 | 11,410.49              | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4059   | VERMA, A.                            | NSF MCTECH STEM CAREERS NCTE   | 391471    | 4059   | 50.00%   | 12,321.33              | 6,160.67             | 18,482.00              | 50.00%        | 0.22%                 | 555.99              | 694.99                |           |
| ENGR                    | * 4059   | VERMA, A.                            | LONGWOOD ITTIP VA STEM CONNECT | 522941    | 4059   | 8.00%    | 4,633.43               | 290.68               | 4,924.11               | 6.27%         | 0.01%                 | 26.23               | 32.79                 |           |
| ENGR                    | * 4059   | VERMA, A.                            | LONGWOOD ITTIP #12 VA STEM CNT | 536001    | 4059   | 8.00%    | 12,964.71              | 657.75               | 13,622.46              | 5.07%         | 0.02%                 | 59.36               | 74.20                 |           |
| ENGR                    | * 4059   | WALK, S.                             | WORLDTECH INTL COMPETITION PJT | 730771    | 4059   | 0.00%    | 799.32                 | 0.00                 | 799.32                 | 0.00%         | 0.00%                 | -                   | -                     |           |
|                         |  | * Department Total:                  |                                |           |        |          |                        | 144,126.02           | 35,412.61              | 179,538.63    |                       | 1.25%               | 3,195.95              | 3,994.93  |
|                         | Engineering Management                             |                                      |                                |           |        |          |                        |                      |                        |               |                       |                     |                       |           |
| ENGR                    | 4060   | GHEORGHE, A.                         | SYSTEMS ENGINUITY ABELL TUITIO | 736331    | 4060   | 0.00%    | 5,000.00               | 0.00                 | 5,000.00               | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4060   | HANDLEY, H.                          | EXOSTRATEGIES SYSTEM ARCHITECT | 736711    | 4060   | 53.00%   | 9,985.39               | 5,292.26             | 15,277.66              | 53.00%        | 0.19%                 | 477.62              | 597.03                |           |
| ENGR                    | * 4060   | PINTO, C.                            | *VIMS HR ADAPTION FORUM        | 522771    | 4060   | 53.00%   | 7,977.28               | 4,227.97             | 12,205.26              | 53.00%        | 0.15%                 | 381.57              | 476.96                |           |
| ENGR                    | * 4060   | PINTO, C.                            | EXOSTRATEGIES SYSTEM ARCHITECT | 736711    | 4060   | 53.00%   | 6,656.93               | 3,528.18             | 10,185.10              | 53.00%        | 0.12%                 | 318.41              | 398.02                |           |
| ENGR                    | * 4060   | TOLK, A.                             | NAVSUP-J7/JCW SUPPORT MOD#1    | 282020    | 4060   | 42.00%   | 6,288.42               | 2,597.22             | 8,885.64               | 53.00%        | 0.09%                 | 234.40              | 293.00                |           |
| ENGR                    | 4064   | HANDLEY, H.                          | ALION LEM-V PED MODELING MOD#1 | 733021    | 4064   | 53.00%   | 68,920.33              | 31,438.71            | 100,359.04             | 45.62%        | 1.11%                 | 2,837.31            | 3,546.64              |           |
|                         |  | * Department Total:                  |                                |           |        |          |                        | 104,828.35           | 47,084.34              | 151,912.70    |                       | 1.66%               | 4,249.31              | 5,311.65  |
|                         | Modeling, Simulation and Visualization Engineering |                                      |                                |           |        |          |                        |                      |                        |               |                       |                     |                       |           |
| ENGR                    | 4075   | AUDETTE, M.                          | *JEFFRESS SPINE MODELING       | 733161    | 4075   | 0.00%    | 22,628.54              | 0.00                 | 22,628.54              | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4075   | MADAN, B.                            | SPAWARSYSCEN ALT MIN ORD MOD1  | 204531    | 4075   | 60.00%   | 3,099.29               | 1,859.57             | 4,958.86               | 60.00%        | 0.07%                 | 167.82              | 209.78                |           |
| ENGR                    | * 4075   | MCKENZIE, R.                         | NSF ENGNRNG LAB INSTRUCT.      | 306021    | 4075   | 50.00%   | 2,447.54               | 1,187.77             | 3,635.31               | 48.53%        | 0.04%                 | 107.20              | 133.99                |           |
| ENGR                    | * 4075   | MCKENZIE, R.                         | CSSG NUSS SIMULATOR MOD#2      | 710552    | 4075   | 53.00%   | 44,053.49              | 23,348.35            | 67,401.84              | 53.00%        | 0.82%                 | 2,107.16            | 2,633.96              |           |
| ENGR                    | 4075   | MCKENZIE, R.                         | CSSG NUSS SIMULATOR MOD#3      | 710553    | 4075   | 0.00%    | 1,373.30               | 0.00                 | 1,373.30               | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4075   | MIELKE, R.                           | *OPP INC STEM YOUTH PROG MOD#3 | 726291    | 4075   | 10.00%   | 1,486.07               | 87.94                | 1,574.01               | 5.92%         | 0.00%                 | 7.94                | 9.92                  |           |
| ENGR                    | * 4075   | LEATHRUM, J.                         | WR SYSTEMS OD-0578-2839 MOD#3  | 716522    | 4075   | 53.00%   | 17,506.14              | 9,278.26             | 26,784.40              | 53.00%        | 0.33%                 | 837.35              | 1,046.69              |           |
| ENGR                    | * 4075   | MIELKE, R.                           | WR SYSTEMS OD-0578-2839 MOD#3  | 716522    | 4075   | 53.00%   | 11,670.76              | 6,185.50             | 17,856.26              | 53.00%        | 0.22%                 | 558.24              | 697.79                |           |
| ENGR                    | 4075   | NG, M.                               | *UI USDOT UTC TRANS LIVE NG    | 521703    | 4075   | 53.00%   | 5,281.93               | 2,799.42             | 8,081.35               | 53.00%        | 0.10%                 | 252.64              | 315.81                |           |
| ENGR                    | 4075   | NG, M.                               | UVA GG1598142514 VIP IB PROG   | 533011    | 4075   | 0.00%    | 22,699.28              | 0.00                 | 22,699.28              | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | * 4075   | NG, M.                               | VDOT EQ METHOD FOR TRAVEL DEM  | 514421    | 4075   | 10.00%   | 9.26                   | 0.96                 | 10.22                  | 10.41%        | 0.00%                 | 0.09                | 0.11                  |           |
| ENGR                    | * 4075   | SHEN, Y.                             | WORLDTECH INTL COMPETITION PJT | 730771    | 4075   | 0.00%    | 775.81                 | 0.00                 | 775.81                 | 0.00%         | 0.00%                 | -                   | -                     |           |
| ENGR                    | 4075   | SOSONKINA, M.                        | ISU SI2-SSI DEV HIGH PERFORM   | 527051    | 4075   | 53.00%   | 12,077.01              | 6,400.81             | 18,477.82              | 53.00%        | 0.23%                 | 577.67              | 722.08                |           |
| ENGR                    | 4075   | SOSONKINA, M.                        | ISU CODESIGN APPROACH AMD#4    | 527611    | 4075   | 53.00%   | 62,220.68              | 32,976.98            | 95,197.66              | 53.00%        | 1.16%                 | 2,976.14            | 3,720.17              |           |
| ENGR                    | 4075   | SOSONKINA, M.                        | ISU TAMING SCALE EXPLOSION     | 532161    | 4075   | 53.00%   | 13,544.57              | 7,178.62             | 20,723.19              | 53.00%        | 0.25%                 | 647.86              | 809.83                |           |
| ENGR                    | * 4075   | SOSONKINA, M.                        | ODUOR PROFILE & ECON IMPACT    | 533561    | 4075   | 0.00%    | 7,929.21               | 0.00                 | 7,929.21               | 0.00%         | 0.00%                 | -                   | -                     |           |
|                         |  | * Department Total:                  |                                |           |        |          |                        | 228,802.87           | 91,304.19              | 320,107.06    |                       | 3.22%               | 8,240.11              | 10,300.13 |
| <b>** College Total</b> |  |                                      |                                |           |        |          | <b>\$ 1,568,598.45</b> | <b>\$ 576,280.92</b> | <b>\$ 2,144,879.37</b> |               | <b>20.30%</b>         | <b>\$ 52,008.79</b> | <b>\$ 65,010.94</b>   |           |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                            | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|------------------------------------|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--|--|
|                                    |            |                                      |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |  |  |
| College of Health Sciences         |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| Community and Environmental Health |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| HEALTH                             | 5051       | BECKER, S.                           | CAZADOR DHS/DNDO TASK FORCE 6  | 731391    | 5051   | 30.00%      | 76,036.74       | 22,811.02         | 98,847.76      | 30.00%           | 0.80%                    | 2,058.67              | 2,573.34                               |  |
| HEALTH                             | 5051       | BLANDO, J.                           | NIOSH VIOLENCE PREVENTION MOD3 | 313971    | 5051   | 50.00%      | 2,548.12        | 1,274.06          | 3,822.18       | 50.00%           | 0.04%                    | 114.98                | 143.73                                 |  |
| HEALTH                             | 5051       | JENG, A.                             | NIHHS P.A.H. & MALE SPERM QUAL | 396531    | 5051   | 50.00%      | 7,136.49        | 3,054.41          | 10,190.90      | 42.80%           | 0.11%                    | 275.66                | 344.57                                 |  |
| HEALTH                             | 5051       | JENG, A.                             | GSDC EPA CARE SUBAWARD NCE     | 714821    | 5051   | 50.00%      | 5,362.14        | 2,681.07          | 8,043.21       | 50.00%           | 0.09%                    | 241.96                | 302.45                                 |  |
| HEALTH                             | * 5051     | NEFF, J.                             | ARRA NIH ALCOHOL SBIRT YR#2    | 396311    | 5051   | 50.00%      | 5,836.44        | 2,918.18          | 8,754.62       | 50.00%           | 0.10%                    | 263.36                | 329.20                                 |  |
| HEALTH                             | * 5051     | RUDATSIKIRA, E.                      | NIH POLICY RESISTANCE SYSTEM   | 311871    | 5051   | 53.00%      | 2,858.34        | 1,514.92          | 4,373.26       | 53.00%           | 0.05%                    | 136.72                | 170.90                                 |  |
| HEALTH                             | * 5051     | SZKLO-COXE, M.                       | NIH POLICY RESISTANCE SYSTEM   | 311871    | 5051   | 53.00%      | 2,858.34        | 1,514.92          | 4,373.26       | 53.00%           | 0.05%                    | 136.72                | 170.90                                 |  |
| HEALTH                             | 5051       | SZKLO-COXE, M.                       | UW EPIDEMIOLOGY OF SLEEP       | 524171    | 5051   | 53.00%      | 7,767.08        | 4,116.55          | 11,883.63      | 53.00%           | 0.15%                    | 371.51                | 464.39                                 |  |
| HEALTH                             | 5051       | ZHANG, H.                            | *USDA LOCAL ECONOMIC AMEND #5  | 305121    | 5051   | 10.00%      | 45,051.05       | 2,610.45          | 47,661.50      | 5.79%            | 0.09%                    | 235.59                | 294.49                                 |  |
| HEALTH                             | * 5051     | ZHANG, H.                            | NIH POLICY RESISTANCE SYSTEM   | 311871    | 5051   | 53.00%      | 2,858.34        | 1,514.92          | 4,373.26       | 53.00%           | 0.05%                    | 136.72                | 170.90                                 |  |
| HEALTH                             | 5051       | ZHANG, H.                            | JHU CHILDHOOD OBESITY STDY #4  | 704721    | 5051   | 50.00%      | 1,700.56        | 850.28            | 2,550.84       | 50.00%           | 0.03%                    | 76.74                 | 95.92                                  |  |
| * Department Total:                |            |                                      |                                |           |        |             | 160,013.64      | 44,860.78         | 204,874.42     |                  | 1.58%                    | 4,048.63              | 5,060.79                               |  |
| Dental Hygiene                     |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| HEALTH                             | * 5052     | DARBY, M.                            | ARRA NIH ALCOHOL SBIRT YR#2    | 396311    | 5052   | 50.00%      | 2,918.22        | 1,459.09          | 4,377.31       | 50.00%           | 0.05%                    | 131.68                | 164.60                                 |  |
| HEALTH                             | * 5052     | LEMASTER, M.                         | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 5052   | 8.00%       | 18,180.34       | 1,294.50          | 19,474.84      | 7.12%            | 0.05%                    | 116.83                | 146.03                                 |  |
| HEALTH                             | * 5052     | LEMASTER, M.                         | VCU IMPACT OF VIRTUAL HEALTH   | 537771    | 5052   | 0.00%       | 1,370.99        | 0.00              | 1,370.99       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | 5052       | MCCOMBS, G.                          | MIS CLINICAL TRIAL OF PERIZONE | 721811    | 5052   | 26.00%      | 672.34          | 174.81            | 847.15         | 26.00%           | 0.01%                    | 15.78                 | 19.72                                  |  |
| * Department Total:                |            |                                      |                                |           |        |             | 23,141.89       | 2,928.40          | 26,070.29      |                  | 0.10%                    | 264.29                | 330.35                                 |  |
| Nursing                            |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| HEALTH                             | 5055       | APATOV, N.                           | HRSA NURSE ANESTHETIST TRAINEE | 333031    | 5055   | 0.00%       | 11,354.97       | 0.00              | 11,354.97      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5055     | FOWLER, C.                           | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 5055   | 8.00%       | 36,360.69       | 2,588.99          | 38,949.68      | 7.12%            | 0.09%                    | 233.65                | 292.07                                 |  |
| HEALTH                             | * 5055     | FOWLER, C.                           | VCU IMPACT OF VIRTUAL HEALTH   | 537771    | 5055   | 0.00%       | 6,854.97        | 0.00              | 6,854.97       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5055     | KARLOWICZ, K.                        | HRSA ADV ED NURSING TRAINEE Y2 | 325831    | 5055   | 8.00%       | 57,752.00       | 0.00              | 57,752.00      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5055     | RENAUD, M.                           | HRSA ADV EDU-ADDRESS DIS. Y#2  | 310301    | 5055   | 8.00%       | 4,764.99        | 381.20            | 5,146.19       | 8.00%            | 0.01%                    | 34.40                 | 43.00                                  |  |
| HEALTH                             | * 5055     | RENAUD, M.                           | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 5055   | 8.00%       | 36,360.69       | 2,588.99          | 38,949.68      | 7.12%            | 0.09%                    | 233.65                | 292.07                                 |  |
| HEALTH                             | * 5055     | RUTLEDGE, C.                         | HRSA ADV EDU-ADDRESS DIS. Y#2  | 310301    | 5055   | 8.00%       | 21,442.44       | 1,715.40          | 23,157.84      | 8.00%            | 0.06%                    | 154.81                | 193.52                                 |  |
| HEALTH                             | * 5055     | RUTLEDGE, C.                         | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 5055   | 8.00%       | 45,450.86       | 3,236.24          | 48,687.10      | 7.12%            | 0.11%                    | 292.07                | 365.08                                 |  |
| HEALTH                             | * 5055     | RUTLEDGE, C.                         | HRSA ADV ED NURSING TRAINEE Y2 | 325831    | 5055   | 8.00%       | 57,752.00       | 0.00              | 57,752.00      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5055     | RUTLEDGE, C.                         | VCU IMPACT OF VIRTUAL HEALTH   | 537771    | 5055   | 0.00%       | 2,741.99        | 0.00              | 2,741.99       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5055     | SHEPHERD, L.                         | HRSA ADV EDU-ADDRESS DIS. Y#2  | 310301    | 5055   | 8.00%       | 21,442.44       | 1,715.40          | 23,157.84      | 8.00%            | 0.06%                    | 154.81                | 193.52                                 |  |
| * Department Total:                |            |                                      |                                |           |        |             | 302,278.01      | 12,226.23         | 314,504.24     |                  | 0.43%                    | 1,103.39              | 1,379.26                               |  |
| Physical Therapy                   |            |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| HEALTH                             | 5058       | HOCH, M.                             | MAATA DISTRICT III GRANT       | 731181    | 5058   | 0.00%       | 140.00          | 0.00              | 140.00         | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5058     | HOCH, M.                             | ISB INFLUENCE OF FEMOR IMPINGE | 732851    | 5058   | 0.00%       | 274.21          | 0.00              | 274.21         | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5058     | KOTT, K.                             | HRSA ED NURSE PRACT TO PRACT 2 | 325631    | 5058   | 8.00%       | 27,270.51       | 1,941.74          | 29,212.26      | 7.12%            | 0.07%                    | 175.24                | 219.05                                 |  |
| HEALTH                             | * 5058     | KOTT, K.                             | VCU IMPACT OF VIRTUAL HEALTH   | 537771    | 5058   | 0.00%       | 1,370.99        | 0.00              | 1,370.99       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | * 5058     | MORRISON, S.                         | EVMS DEVELOP QLTY OF LIFE #2   | 510191    | 5058   | 53.00%      | 11,498.71       | 6,094.32          | 17,593.02      | 53.00%           | 0.21%                    | 550.01                | 687.51                                 |  |
| HEALTH                             | 5058       | MORRISON, S.                         | EVMS DIABETIC PERIPHERAL MOD 2 | 515281    | 5058   | 28.00%      | 22,705.87       | 6,357.64          | 29,063.51      | 28.00%           | 0.22%                    | 573.77                | 717.21                                 |  |
| HEALTH                             | * 5058     | MORRISON, S.                         | ADA IMPACT EXERCISE TRAIN YR 2 | 717221    | 5058   | 15.00%      | 21,720.17       | (1,241.98)        | 20,478.20      | -5.72%           | -0.04%                   | (112.09)              | (140.11)                               |  |
| HEALTH                             | * 4057     | MORRISON, S.                         | A2T2 VRAM PHASE II MTBI MOD#4  | 702971    | 5058   | 50.00%      | 7,887.47        | 3,779.36          | 11,666.83      | 50.00%           | 0.13%                    | 341.08                | 426.35                                 |  |
| HEALTH                             | * 5058     | RUSSELL, D.                          | ISB INFLUENCE OF FEMOR IMPINGE | 732851    | 5058   | 0.00%       | 274.21          | 0.00              | 274.21         | 0.00%            | 0.00%                    | -                     | -                                      |  |
| HEALTH                             | 5058       | VAN LUNEN, B.                        | OSU FUNCT EVAL LOW EXTREM YR 2 | 524971    | 5058   | 53.00%      | 7,422.16        | 3,933.74          | 11,355.90      | 53.00%           | 0.14%                    | 355.02                | 443.77                                 |  |
| * Department Total:                |            |                                      |                                |           |        |             | 100,564.30      | 20,864.82         | 121,429.12     |                  | 0.74%                    | 1,883.03              | 2,353.78                               |  |
| ** College Total                   |            |                                      |                                |           |        |             | \$ 585,997.84   | \$ 80,880.24      | \$ 666,878.08  |                  | 2.85%                    | \$ 7,299.34           | \$ 9,124.18                            |  |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College             | Department | Principal Investigator | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS        | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    |                       |
|---------------------|------------|------------------------|--------------------------------|-----------|--------|----------|---------------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|
|                     |            |                        |                                |           |        |          |                     |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation | Department Allocation |
|                     |            |                        |                                |           |        |          |                     |                |             |               | 256,142.00            | 320,178.00         |                       |
| College of Sciences |            |                        |                                |           |        |          |                     |                |             |               |                       |                    |                       |
| Dean's Office       |            |                        |                                |           |        |          |                     |                |             |               |                       |                    |                       |
| SCI                 | * 6080     | Mathews, T.            | USED TIR YEAR 5 MOD 8          | 397561    | 6080   | 8.00%    | 9,989.53            | 344.86         | 10,334.39   | 3.45%         | 0.01%                 | 31.12              | 38.90                 |
|                     |            |                        |                                |           |        |          | * Department Total: | 9,989.53       | 344.86      | 10,334.39     | 0.01%                 | 31.12              | 38.90                 |
| Biological Sciences |            |                        |                                |           |        |          |                     |                |             |               |                       |                    |                       |
| SCI                 | 6081       | BARTOL, I.             | NSF EAGER: COLLAB. RESEARCH    | 312311    | 6081   | 0.00%    | 8,124.76            | 0.00           | 8,124.76    | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | BARTOL, I.             | VA AQUARIUM CETACEAN STOMACH   | 727091    | 6081   | 0.00%    | 2,960.16            | 0.00           | 2,960.16    | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | BUTLER, M.             | NSF SPINY LOBSTERS             | 394471    | 6081   | 26.00%   | (2,023.84)          | (526.20)       | (2,550.04)  | 26.00%        | -0.02%                | (47.49)            | (59.36)               |
| SCI                 | 6081       | BUTLER, M.             | UF CASITAS IN FL LOBSTER AMD1  | 516801    | 6081   | 26.00%   | 12,924.79           | 3,360.45       | 16,285.24   | 26.00%        | 0.12%                 | 303.28             | 379.10                |
| SCI                 | 6081       | BUTLER, M.             | BAHAMAS LOBSTER FISHERY MOD1   | 727451    | 6081   | 0.00%    | 4,114.32            | 0.00           | 4,114.32    | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | BUTLER, M.             | *TNC RESTORE SHALLOW SPONGE    | 731371    | 6081   | 18.00%   | 22,441.64           | 4,039.50       | 26,481.14   | 18.00%        | 0.14%                 | 364.56             | 455.70                |
| SCI                 | 6081       | CARPENTER, K.          | PIRE:HIGH MARINE DIVERSITY #6  | 371981    | 6081   | 26.00%   | 74,229.86           | 6,397.27       | 80,627.13   | 8.62%         | 0.23%                 | 577.35             | 721.68                |
| SCI                 | 6081       | CARPENTER, K.          | REU:PIRE:MARINE DIVERSITY #7   | 371982    | 6081   | 26.00%   | 41,000.00           | 0.00           | 41,000.00   | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | CARPENTER, K.          | COL RES:TREE OF LIFE           | 374431    | 6081   | 42.00%   | 4,036.01            | 1,695.13       | 5,731.14    | 42.00%        | 0.06%                 | 152.98             | 191.23                |
| SCI                 | 6081       | CARPENTER, K.          | ODU/THF MARINE CONSERVATION    | 527211    | 6081   | 0.00%    | (1,331.12)          | 0.00           | (1,331.12)  | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | CARPENTER, K.          | ODU/THF MARINE CONSERVATION    | 527212    | 6081   | 5.00%    | 66,036.75           | 3,301.83       | 69,338.58   | 5.00%         | 0.12%                 | 297.99             | 372.48                |
| SCI                 | 6081       | CARPENTER, K.          | NGS EFFECTS OF PEARL FARMING   | 727591    | 6081   | 0.00%    | (164.72)            | 0.00           | (164.72)    | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | CARPENTER, K.          | *QU MARINE BIODIV ARABIA MOD#1 | 733731    | 6081   | 20.00%   | 19,248.51           | 3,849.70       | 23,098.21   | 20.00%        | 0.14%                 | 347.43             | 434.29                |
| SCI                 | 6081       | CARPENTER, K.          | IUCN GULF SPECIES SPATIAL      | 742221    | 6081   | 6.58%    | 3,130.45            | 205.98         | 3,336.43    | 6.58%         | 0.01%                 | 18.59              | 23.24                 |
| SCI                 | 6081       | CARPENTER, K.          | *IUCN GLOBAL MARINE SPEC. M#3  | 755181    | 6081   | 30.00%   | 18,755.27           | 4,676.79       | 23,432.06   | 24.94%        | 0.16%                 | 422.08             | 527.59                |
| SCI                 | 6081       | DAINES, D.             | NIH METABOLIC REG IN OTITIS    | 326661    | 6081   | 53.00%   | 30,937.14           | 16,396.70      | 47,333.84   | 53.00%        | 0.58%                 | 1,479.79           | 1,849.73              |
| SCI                 | 6081       | DAUER, D.              | VDEQ BENTHIC MONITORING COMP.  | 526521    | 6081   | 10.00%   | 41,355.32           | 4,060.84       | 45,416.16   | 9.82%         | 0.14%                 | 366.49             | 458.11                |
| SCI                 | 6081       | DAUER, D.              | VDEQ DATA ANALYSIS COMP        | 526524    | 6081   | 10.00%   | 12,991.12           | 1,299.09       | 14,290.21   | 10.00%        | 0.05%                 | 117.24             | 146.55                |
| SCI                 | 6081       | DAUER, D.              | CHESAPEAKE BAY MONITORING      | 536921    | 6081   | 10.00%   | 70,215.86           | 5,457.33       | 75,673.19   | 7.77%         | 0.19%                 | 492.52             | 615.65                |
| SCI                 | 6081       | DAUER, D.              | CHESAPEAKE BAY MONITORING      | 536924    | 6081   | 10.00%   | 29,197.16           | 2,919.72       | 32,116.88   | 10.00%        | 0.10%                 | 263.50             | 329.38                |
| SCI                 | 6081       | DAUER, D.              | ERP BENTHIC CONDITION MNPNT    | 736241    | 6081   | 0.00%    | 4,583.34            | 0.00           | 4,583.34    | 0.00%         | 0.00%                 | -                  | -                     |
| SCI                 | 6081       | DAY, F.                | DOE PROCESSES IN GROUND RADAR  | 320281    | 6081   | 53.00%   | 21,210.20           | 11,241.42      | 32,451.62   | 53.00%        | 0.40%                 | 1,014.53           | 1,268.16              |
| SCI                 | 6081       | DAY, F.                | UVA DYN OF BARRIER SYST MOD#1  | 523731    | 6081   | 26.00%   | 5,044.22            | 1,311.49       | 6,355.71    | 26.00%        | 0.05%                 | 118.36             | 147.95                |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College             | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                                     | Department<br>Allocation<br>320,178.00 |
|---------------------|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-------------------------------------|--|
|                     |            |                                      |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation<br>256,142.00 |  |
| SCI                 | 6081       | EGERTON, T.                          | ODU/VDEQ ASSESSING CHLA MOD 4  | 525821    | 6081   | 10.00%      | 24,842.97       | 2,484.30          | 27,327.27      | 10.00%           | 0.09%                    | 224.21                              | 280.26                                 |
| SCI                 | 6081       | EGERTON, T.                          | CHESAPEAKE BAY MONITORING      | 536923    | 6081   | 10.00%      | 14,403.07       | 1,440.31          | 15,843.38      | 10.00%           | 0.05%                    | 129.99                              | 162.48                                 |
| SCI                 | 6081       | EGERTON, T.                          | ODU/VDH H2O SAMPLE ALGAL BLU   | 542911    | 6081   | 95.00%      | 6,766.61        | 623.17            | 7,389.78       | 9.21%            | 0.02%                    | 56.24                               | 70.30                                  |
| SCI                 | 6081       | EGERTON, T.                          | EVERLIFE PHYTOPLANKTON MOD#1   | 735431    | 6081   | 53.00%      | 1,799.04        | 953.49            | 2,752.53       | 53.00%           | 0.03%                    | 86.05                               | 107.56                                 |
| SCI                 | * 6081     | GAFF, H.                             | NSF RCN UBE-INCUBATOR: ICLUB   | 310481    | 6081   | 50.00%      | 4,353.40        | 2,176.70          | 6,530.10       | 50.00%           | 0.08%                    | 196.44                              | 245.56                                 |
| SCI                 | * 6081     | GAFF, H.                             | HJF TIDEWATER SPOTTED FEVER M4 | 715781    | 6081   | 20.00%      | 4,866.49        | 973.30            | 5,839.79       | 20.00%           | 0.03%                    | 87.84                               | 109.80                                 |
| SCI                 | 6081       | GAFF, H.                             | ME DENGUE FEVER MODEL & ANALYS | 732021    | 6081   | 53.00%      | 4,803.36        | 2,545.78          | 7,349.14       | 53.00%           | 0.09%                    | 229.75                              | 287.19                                 |
| SCI                 | 6081       | GAFF, H.                             | JS TICK ROBOT EXP DESIGN       | 735691    | 6081   | 0.00%       | 2,909.15        | 0.00              | 2,909.15       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | * 6081     | GORDON, A.                           | ALT ENERGY PROGRAM - RACEWAYS  | 597981    | 6081   | 0.00%       | (347.28)        | 0.00              | (347.28)       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | HOLSINGER, J.                        | MDNR NEW SPECIES AMPHIPHOD     | 522241    | 6081   | 0.00%       | 436.34          | 0.00              | 436.34         | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | HORTH, L.                            | NSF MOTTLED BLACK FISH         | 310181    | 6081   | 50.00%      | 1,491.52        | 745.77            | 2,237.29       | 50.00%           | 0.03%                    | 67.30                               | 84.13                                  |
| SCI                 | 6081       | HORTH, L.                            | NSF REU SUPPLEMENT: MOTTLED    | 310182    | 6081   | 25.00%      | 1,001.68        | 0.00              | 1,001.68       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | HORTH, L.                            | VDACS STRAWBERRY PROD USE BEE  | 535541    | 6081   | 0.00%       | 1,236.36        | 0.00              | 1,236.36       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | HORTH, L.                            | *VEE REVERSIBLE EPIGENETIC M1  | 712951    | 6081   | 0.00%       | 0.23            | 0.00              | 0.23           | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | HYNES, W.                            | NSF DIS RSCH RUBIACEAE ASIA A1 | 322651    | 6081   | 26.00%      | 930.27          | 241.87            | 1,172.14       | 26.00%           | 0.01%                    | 21.83                               | 27.29                                  |
| SCI                 | * 6081     | HYNES, W.                            | USED TIR YEAR 5 MOD 8          | 397561    | 6081   | 8.00%       | 9,989.53        | 344.86            | 10,334.39      | 3.45%            | 0.01%                    | 31.12                               | 38.90                                  |
| SCI                 | 6081       | MARSHALL, H.                         | VDEQ PHYTOPLANKTON MONITORING  | 526523    | 6081   | 10.00%      | 12,751.49       | 1,275.14          | 14,026.63      | 10.00%           | 0.04%                    | 115.08                              | 143.85                                 |
| SCI                 | 6081       | MARSHALL, H.                         | ODU/VDH H2O SAMPLE ANALYSIS    | 591934    | 6081   | 95.00%      | 12,761.15       | 1,276.12          | 14,037.27      | 10.00%           | 0.04%                    | 115.17                              | 143.96                                 |
| SCI                 | * 6081     | MARSHALL, H.                         | ALT ENERGY PROGRAM - RACEWAYS  | 597981    | 6081   | 0.00%       | (347.28)        | 0.00              | (347.28)       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | NEELAKANTA, G.                       | NIH ANAPLASMA PHAGOCYTOPHILUM  | 327391    | 6081   | 53.00%      | 17,373.60       | 9,208.00          | 26,581.60      | 53.00%           | 0.32%                    | 831.01                              | 1,038.77                               |
| SCI                 | * 6081     | OSGOOD, C.                           | NANOASSAY FOR ABC TRANSPRTR 5R | 353151    | 6081   | 42.00%      | 15,481.89       | 5,681.29          | 21,163.18      | 36.70%           | 0.20%                    | 512.73                              | 640.91                                 |
| SCI                 | 6081       | OSGOOD, C.                           | *SIGMA XI DISSOCIATION OF CELL | 724131    | 6081   | 0.00%       | 130.72          | 0.00              | 130.72         | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | OSGOOD, C.                           | VAS ORIGINS OF NEOPLASIA       | 735661    | 6081   | 0.00%       | 1,162.76        | 0.00              | 1,162.76       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | SONENSHINE, D.                       | NCSU TICK OLFACTORY SYSTEM M2  | 512301    | 6081   | 50.00%      | 4,830.57        | 2,415.28          | 7,245.85       | 50.00%           | 0.09%                    | 217.98                              | 272.47                                 |
| SCI                 | 6081       | SONENSHINE, D.                       | NCSU RENEWAL: TICK REPROD. M2  | 565402    | 6081   | 42.00%      | 19,188.07       | 7,120.71          | 26,308.78      | 37.11%           | 0.25%                    | 642.64                              | 803.30                                 |
| SCI                 | 6081       | SULTANA, H.                          | NIH HUMAN PATHOGEN BACTERIUM   | 327401    | 6081   | 53.00%      | 17,373.60       | 9,208.00          | 26,581.60      | 53.00%           | 0.32%                    | 831.01                              | 1,038.77                               |
| SCI                 | 6081       | WALTERS, E.                          | NEXRAD DATA & MODELS BIRD MIG  | 535391    | 6081   | 26.00%      | 11,097.00       | 2,885.22          | 13,982.22      | 26.00%           | 0.10%                    | 260.39                              | 325.49                                 |
| SCI                 | 6081       | WALTERS, E.                          | VDEQ BIRD DENSITY ON DELMARVA  | 535461    | 6081   | 26.00%      | 13,636.68       | 3,545.55          | 17,182.23      | 26.00%           | 0.12%                    | 319.98                              | 399.98                                 |
| SCI                 | 6081       | WALTERS, E.                          | MDNR RADAR BIRD MIGRATION      | 536111    | 6081   | 26.00%      | 12,093.47       | 3,144.30          | 15,237.77      | 26.00%           | 0.11%                    | 283.77                              | 354.71                                 |
| SCI                 | 6081       | WALTERS, E.                          | VAS URBAN EFFECTS ON BIRDS     | 735651    | 6081   | 0.00%       | 1,041.29        | 0.00              | 1,041.29       | 0.00%            | 0.00%                    | -                                   | -                                      |
| SCI                 | 6081       | WALTERS, E.                          | KIPTOPEKE BANDING STATION FALL | 741661    | 6081   | 0.00%       | 3,940.02        | 0.00              | 3,940.02       | 0.00%            | 0.00%                    | -                                   | -                                      |
| * Department Total: |            |                                      |                                |           |        |             | 711,014.97      | 127,976.20        | 838,991.18     |                  | 4.51%                    | 11,549.73                           | 14,437.16                              |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College | Department                 | Principal Investigator | Agency Title or Reference       | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation |           |
|---------|----------------------------|------------------------|---------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|-----------|
|         |                            |                        |                                 |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                       |           |
|         |                            |                        |                                 |           |        |          |              |                |             |               |                       | <b>256,142.00</b>  | <b>320,178.00</b>     |           |
|         | Chemistry and Biochemistry |                        |                                 |           |        |          |              |                |             |               |                       |                    |                       |           |
| SCI     | * 6082                     | BAYSE, C.              | USED TIR YEAR 5 MOD 8           | 397561    | 6082   | 8.00%    | 9,989.53     | 344.86         | 10,334.39   | 3.45%         | 0.01%                 | 31.12              | 38.90                 |           |
| SCI     | 6082                       | BERNATH, P.            | NASA LAB ASTRO SUPER EARTHS     | 126101    | 6082   | 53.00%   | 47,305.45    | 23,625.08      | 70,930.53   | 49.94%        | 0.83%                 | 2,132.14           | 2,665.17              |           |
| SCI     | 6082                       | BERNATH, P.            | NASA INFRARED ABSORPTION        | 132481    | 6082   | 53.00%   | 13,495.38    | 7,152.55       | 20,647.93   | 53.00%        | 0.25%                 | 645.51             | 806.89                |           |
| SCI     | * 6082                     | BERNATH, P.            | USED TIR YEAR 5 MOD 8           | 397561    | 6082   | 8.00%    | 9,989.53     | 344.86         | 10,334.39   | 3.45%         | 0.01%                 | 31.12              | 38.90                 |           |
| SCI     | 6082                       | BERNATH, P.            | PNNL:OPTICAL PROP MATERIA MOD2  | 733121    | 6082   | 53.00%   | 8,263.70     | 3,333.02       | 11,596.72   | 40.33%        | 0.12%                 | 300.80             | 376.00                |           |
| SCI     | 6082                       | DONAT, J.              | VDEQ CBP12 H2O QUALITY COMP     | 526522    | 6082   | 10.00%   | 43,939.98    | (8,956.68)     | 34,983.30   | -20.38%       | -0.32%                | (808.33)           | (1,010.41)            |           |
| SCI     | 6082                       | DONAT, J.              | CHESAPEAKE BAY MONITORING       | 536922    | 6082   | 10.00%   | 187,267.14   | 11,029.50      | 198,296.64  | 5.89%         | 0.39%                 | 995.40             | 1,244.25              |           |
| SCI     | 6082                       | HATCHER, P.            | NOAA REACTIVITY CHEM CHAR AMD1  | 322421    | 6082   | 10.00%   | 7,876.64     | 787.68         | 8,664.32    | 10.00%        | 0.03%                 | 71.09              | 88.86                 |           |
| SCI     | 6082                       | HATCHER, P.            | VIMS SUPPORT WOZNIAK MOD#1      | 526211    | 6082   | 26.00%   | 4,860.62     | 1,263.76       | 6,124.38    | 26.00%        | 0.04%                 | 114.05             | 142.57                |           |
| SCI     | * 6082                     | HATCHER, P.            | ALT ENERGY PROGRAM - RACEWAYS   | 597981    | 6082   | 0.00%    | (347.28)     | 0.00           | (347.28)    | 0.00%         | 0.00%                 | -                  | -                     |           |
| SCI     | 6082                       | HATCHER, P.            | COMP MODELING OF BIOGENIC GAS   | 727131    | 6082   | 53.00%   | 21,067.42    | 11,165.72      | 32,233.14   | 53.00%        | 0.39%                 | 1,007.69           | 1,259.62              |           |
| SCI     | 6082                       | HOLDER, A.             | PRE ADD                         | 340091    | 6082   | 0.00%    | 3,484.20     | 0.00           | 3,484.20    | 0.00%         | 0.00%                 | -                  | -                     |           |
| SCI     | * 6082                     | LEE, J.                | SEED GRANT:SUSTAINABLE FUTUD    | 533571    | 6082   | 0.00%    | 22,422.35    | 0.00           | 22,422.35   | 0.00%         | 0.00%                 | -                  | -                     |           |
| SCI     | 6082                       | MAO, J.                | ARRA COLL RES:ORGANIC CMPNDS    | 390781    | 6082   | 50.00%   | 5,123.54     | 2,561.77       | 7,685.31    | 50.00%        | 0.09%                 | 231.20             | 289.00                |           |
| SCI     | 6082                       | MAO, J.                | LU TRACKING ORG NITRO AMD#1     | 511341    | 6082   | 22.00%   | 33,063.50    | 7,273.97       | 40,337.47   | 22.00%        | 0.26%                 | 656.47             | 820.59                |           |
| SCI     | 6082                       | MOPPER, K.             | COLL RES: DUAL-DYE APP TO SITU  | 327621    | 6082   | 53.00%   | 9,102.83     | 4,824.49       | 13,927.32   | 53.00%        | 0.17%                 | 435.41             | 544.26                |           |
| SCI     | 6082                       | MOPPER, K.             | ARRA NSF TOC/DOC ANALYZER 2     | 390921    | 6082   | 50.00%   | 651.64       | 325.73         | 977.37      | 49.99%        | 0.01%                 | 29.40              | 36.75                 |           |
| SCI     | 6082                       | WANG, G.               | NSF:SYNTH & SELF ASSMT GLYCOM   | 330641    | 6082   | 53.00%   | 7,450.87     | 3,948.97       | 11,399.84   | 53.00%        | 0.14%                 | 356.39             | 445.49                |           |
| SCI     | 6082                       | WANG, G.               | PITT NOVEL MACROLIDE TH17 MOD1  | 530541    | 6082   | 53.00%   | 15,345.44    | 8,133.09       | 23,478.53   | 53.00%        | 0.29%                 | 734.00             | 917.50                |           |
| SCI     | 6082                       | XU, N.                 | NIRT:DESIGN OF NANOPART AMD#15  | 351710    | 6082   | 53.00%   | (813.02)     | (430.90)       | (1,243.92)  | 53.00%        | -0.02%                | (38.89)            | (48.61)               |           |
| SCI     | 6082                       | XU, N.                 | NIRT DESIGN OF NANOPART AMD#15  | 351785    | 6082   | 42.00%   | 0.00         | (0.78)         | (0.78)      | --            | 0.00%                 | (0.07)             | (0.09)                |           |
| SCI     | 6082                       | XU, N.                 | NIRT:DESIGN OF NANOPART AMD#15  | 351786    | 6082   | 0.00%    | 2,766.54     | 0.00           | 2,766.54    | 0.00%         | 0.00%                 | -                  | -                     |           |
| SCI     | * 6082                     | XU, N.                 | NANOASSAY FOR ABC TRANSPRT 5R   | 353151    | 6082   | 42.00%   | 61,927.55    | 22,725.18      | 84,652.73   | 36.70%        | 0.80%                 | 2,050.92           | 2,563.65              |           |
|         |                            | * Department Total:    |                                 |           |        |          |              | 514,233.56     | 99,451.87   | 613,685.42    |                       | 3.50%              | 8,975.42              | 11,219.29 |
|         | Mathematics and Statistics |                        |                                 |           |        |          |              |                |             |               |                       |                    |                       |           |
| SCI     | 6083                       | BADAVI, F.             | NASA ANISOTROPIC MODEL MOD 13   | 127071    | 6083   | 26.00%   | 94,446.49    | 24,556.09      | 119,002.58  | 26.00%        | 0.87%                 | 2,216.16           | 2,770.20              |           |
| SCI     | 6083                       | CHAGANTY, R.           | EVMS VA PBLCL HEALTH TRNG CTRM1 | 525651    | 6083   | 8.00%    | 4,303.65     | 344.29         | 4,647.94    | 8.00%         | 0.01%                 | 31.07              | 38.84                 |           |
| SCI     | 6083                       | CHAGANTY, R.           | VDEQ SUPPLEMENTARY DATA MGMT    | 526525    | 6083   | 10.00%   | 6,180.54     | 617.87         | 6,798.41    | 10.00%        | 0.02%                 | 55.76              | 69.70                 |           |
| SCI     | * 6083                     | DIAWARA, N.            | ADA IMPACT EXERCISE TRAIN YR 2  | 717221    | 6083   | 15.00%   | 1,810.01     | (103.50)       | 1,706.52    | -5.72%        | 0.00%                 | (9.34)             | (11.68)               |           |
| SCI     | * 6083                     | DORREPAAL, J.          | USED TIR YEAR 5 MOD 8           | 397561    | 6083   | 8.00%    | 9,989.53     | 344.86         | 10,334.39   | 3.45%         | 0.01%                 | 31.12              | 38.90                 |           |
| SCI     | 6083                       | HU, F.                 | NASA ACOUSTIC SCATTERING MOD#2  | 112801    | 6083   | 50.00%   | 24,002.55    | 12,001.28      | 36,003.83   | 50.00%        | 0.42%                 | 1,083.10           | 1,353.88              |           |
| SCI     | 6083                       | JOO, S.                | NSF MATH STUDY SMECTIC LIQUID   | 311391    | 6083   | 50.00%   | 15,607.49    | 7,803.74       | 23,411.23   | 50.00%        | 0.27%                 | 704.28             | 880.35                |           |
| SCI     | * 6083                     | PENG, Y.               | NSF NUMERIC BIO TRANSPRT STUDY  | 333111    | 6083   | 53.00%   | 573.76       | 304.09         | 877.85      | 53.00%        | 0.01%                 | 27.44              | 34.30                 |           |
| SCI     | * 6083                     | STROZAK, R.            | USED TIR YEAR 5 MOD 8           | 397561    | 6083   | 8.00%    | 9,989.53     | 344.86         | 10,334.39   | 3.45%         | 0.01%                 | 31.12              | 38.90                 |           |
| SCI     | 6083                       | TWEED, J.              | NASA COMPUTATIONAL MODELS M.12  | 192461    | 6083   | 26.00%   | 131,553.77   | 34,203.97      | 165,757.74  | 26.00%        | 1.21%                 | 3,086.87           | 3,858.59              |           |
| SCI     | 6083                       | WANG, J.               | NSF COLLAB: NEW ALGORITHMS      | 323091    | 6083   | 53.00%   | 19,444.62    | 10,305.64      | 29,750.26   | 53.00%        | 0.36%                 | 930.07             | 1,162.59              |           |
| SCI     | * 6083                     | WANG, J.               | NSF WAVE ENERGY EDUCATION       | 326261    | 6083   | 53.00%   | 14,110.41    | 7,478.52       | 21,588.92   | 53.00%        | 0.26%                 | 674.93             | 843.66                |           |
| SCI     | * 6083                     | WANG, J.               | NSF NUMERIC BIO TRANSPRT STUDY  | 333111    | 6083   | 53.00%   | 382.50       | 202.73         | 585.23      | 53.00%        | 0.01%                 | 18.30              | 22.87                 |           |
| SCI     | 6083                       | WANG, J.               | SIMONS COLLABORATION GRANT YR2  | 713771    | 6083   | 95.00%   | 489.16       | 416.65         | 905.81      | 85.18%        | 0.01%                 | 37.60              | 47.00                 |           |
| SCI     | * 6083                     | WANG, J.               | ODUOR PROFILE & ECON IMPACT     | 533561    | 6083   | 0.00%    | 2,643.07     | 0.00           | 2,643.07    | 0.00%         | 0.00%                 | -                  | -                     |           |
| SCI     | 6083                       | ZHOU, R.               | ARRA NSF COLLAB MATH CONS AMD1  | 392781    | 6083   | 50.00%   | 7,097.80     | 3,548.91       | 10,646.71   | 50.00%        | 0.13%                 | 320.29             | 400.36                |           |
|         |                            | * Department Total:    |                                 |           |        |          |              | 342,624.88     | 102,370.00  | 444,994.88    |                       | 3.61%              | 9,238.77              | 11,548.46 |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College | Department                            | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation |
|---------|---------------------------------------|--------------------------------------|--------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|
|         |                                       |                                      |                                |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                       |
|         |                                       |                                      |                                |           |        |          |              |                |             |               |                       | <b>256,142.00</b>  | <b>320,178.00</b>     |
|         | Ocean, Earth and Atmospheric Sciences |                                      |                                |           |        |          |              |                |             |               |                       |                    |                       |
| SCI     | 6085                                  | BOCHDANSKY, A.                       | NSF COLL RES:TRACERS ROSS SEA  | 316571    | 6085   | 53.00%   | 16,243.84    | 7,616.54       | 23,860.38   | 46.89%        | 0.27%                 | 687.38             | 859.23                |
| SCI     | 6085                                  | BOCHDANSKY, A.                       | NSF DEEP SEA EUKARYOTES        | 324281    | 6085   | 53.00%   | 49,081.46    | 26,013.17      | 75,094.63   | 53.00%        | 0.92%                 | 2,347.66           | 2,934.58              |
| SCI     | 6085                                  | BOCHDANSKY, A.                       | UCSD SCRIPPS INSTITUTE         | 501971    | 6085   | 50.00%   | 5,194.46     | 2,597.24       | 7,791.70    | 50.00%        | 0.09%                 | 234.40             | 293.00                |
| SCI     | 6085                                  | BURDIGE, D.                          | NSF COLL RES:DOC TRANSFORM     | 325261    | 6085   | 53.00%   | 52,653.06    | 27,877.90      | 80,530.96   | 52.95%        | 0.98%                 | 2,515.95           | 3,144.94              |
| SCI     | 6085                                  | BURDIGE, D.                          | NSF: E7BC OCEANIC ND BUDGET #1 | 384331    | 6085   | 42.00%   | (670.60)     | (281.65)       | (952.25)    | 42.00%        | -0.01%                | (25.42)            | (31.77)               |
| SCI     | 6085                                  | CUTTER, G.                           | NSF E PACIFIC GEOTRACES MGMT   | 321321    | 6085   | 50.00%   | 114,458.35   | 56,356.60      | 170,814.95  | 49.24%        | 1.99%                 | 5,086.13           | 6,357.66              |
| SCI     | 6085                                  | CUTTER, G.                           | NSF GEOTRACES EASTERN PACIFIC  | 324231    | 6085   | 53.00%   | 74,174.23    | 31,582.29      | 105,756.52  | 42.58%        | 1.11%                 | 2,850.27           | 3,562.84              |
| SCI     | 6085                                  | CUTTER, G.                           | COLL RES:MINORITY SCHOLARS M01 | 393441    | 6085   | 50.00%   | 2,762.67     | 1,381.34       | 4,144.01    | 50.00%        | 0.05%                 | 124.66             | 155.83                |
| SCI     | 6085                                  | CUTTER, G.                           | NSF COLL RES:MGMT GEOTRACES 04 | 394621    | 6085   | 50.00%   | 14,601.49    | 7,300.75       | 21,902.24   | 50.00%        | 0.26%                 | 658.89             | 823.61                |
| SCI     | 6085                                  | CUTTER, G.                           | NSF OCE-0929537 ARSENIC SUPP 1 | 394631    | 6085   | 50.00%   | 21,413.01    | 5,961.26       | 27,374.27   | 27.84%        | 0.21%                 | 538.00             | 672.50                |
| SCI     | 6085                                  | CUTTER, G.                           | ORAU COAL ASH RIVERS MOD 4     | 701871    | 6085   | 50.00%   | 12,520.00    | 6,260.01       | 18,780.01   | 50.00%        | 0.22%                 | 564.96             | 706.20                |
| SCI     | * 6085                                | CUTTER, G.                           | ORAU BIOACTIVE TRACE ELEMNT M4 | 702771    | 6085   | 50.00%   | 5,873.23     | 2,936.63       | 8,809.85    | 50.00%        | 0.10%                 | 265.03             | 331.28                |
| SCI     | 6085                                  | CUTTER, G.                           | HAMPTON MINORITY SCHOLARS      | 730551    | 6085   | 53.00%   | 6,855.08     | 3,633.19       | 10,488.27   | 53.00%        | 0.13%                 | 327.89             | 409.86                |
| SCI     | 6085                                  | DARBY, D.                            | NSF HOLOCENE VARIATIONS        | 312441    | 6085   | 50.00%   | 60,232.96    | 30,116.49      | 90,349.45   | 50.00%        | 1.06%                 | 2,717.98           | 3,397.48              |
| SCI     | 6085                                  | DOBBS, F.                            | #COLL RES:MICROSCOPIC ISLANDS  | 393211    | 6085   | 50.00%   | 89,363.98    | 39,103.00      | 128,466.98  | 43.76%        | 1.38%                 | 3,529.01           | 4,411.26              |
| SCI     | 6085                                  | DOBBS, F.                            | UMCES MERC BALLAST WATER M1    | 525971    | 6085   | 53.00%   | 9,236.16     | 4,895.17       | 14,131.33   | 53.00%        | 0.17%                 | 441.78             | 552.23                |
| SCI     | * 6085                                | GARGETT, A.                          | NSF LES MODELING               | 394431    | 6085   | 50.00%   | 10,946.55    | 5,473.28       | 16,419.83   | 50.00%        | 0.19%                 | 493.96             | 617.45                |
| SCI     | 6085                                  | HARVEY, R.                           | NSF BEST SYNTHESIS BERING SEA  | 312521    | 6085   | 50.00%   | (1,105.22)   | (552.61)       | (1,657.83)  | 50.00%        | -0.02%                | (49.87)            | (62.34)               |
| SCI     | 6085                                  | HARVEY, R.                           | NPRB RED KING CRAB             | 323061    | 6085   | 53.00%   | 100.00       | 53.00          | 153.00      | 53.00%        | 0.00%                 | 4.78               | 5.98                  |
| SCI     | * 6085                                | HARVEY, R.                           | NSF MRI MASS SPECTROMETRY      | 324141    | 6085   | 53.00%   | 517,671.00   | 0.00           | 517,671.00  | 0.00%         | 0.00%                 | -                  | -                     |
| SCI     | 6085                                  | HARVEY, R.                           | NSF COLL RES: PROTEIN CYCLING  | 324501    | 6085   | 53.00%   | 14,890.56    | 7,892.00       | 22,782.56   | 53.00%        | 0.28%                 | 712.24             | 890.31                |
| SCI     | 6085                                  | HARVEY, R.                           | *UTA CHUCKI SEA HANNA SHOAL 2  | 517501    | 6085   | 50.00%   | 33,744.39    | 16,834.00      | 50,578.39   | 49.89%        | 0.59%                 | 1,519.25           | 1,899.06              |
| SCI     | * 6085                                | JONES, C.                            | NSF NURSERY AREA DYNAMICS AMD2 | 300951    | 6085   | 50.00%   | 24,934.13    | 12,467.07      | 37,401.19   | 50.00%        | 0.44%                 | 1,125.14           | 1,406.42              |
| SCI     | * 6085                                | JONES, C.                            | PMAFS SUMMER FLOUNDER          | 512461    | 6085   | 15.00%   | 25,831.71    | 3,874.76       | 29,706.47   | 15.00%        | 0.14%                 | 349.69             | 437.12                |
| SCI     | * 6085                                | JONES, C.                            | *KENAI BELUGA WHALE AMD#3      | 513381    | 6085   | 0.00%    | 26,664.58    | 0.00           | 26,664.58   | 0.00%         | 0.00%                 | -                  | -                     |
| SCI     | 6085                                  | JONES, C.                            | *VMRC GROUPER 11-12 #1         | 516661    | 6085   | 19.00%   | 24,440.76    | (1,205.73)     | 23,235.03   | -4.93%        | -0.04%                | (108.82)           | (136.02)              |
| SCI     | 6085                                  | JONES, C.                            | *VMRC FINFISH 12-13            | 527291    | 6085   | 25.00%   | 55,973.78    | 13,993.45      | 69,967.23   | 25.00%        | 0.49%                 | 1,262.89           | 1,578.62              |
| SCI     | 6085                                  | JONES, C.                            | *VMRC GROUPER R3 MOD1          | 532911    | 6085   | 25.00%   | 14,629.91    | 3,657.48       | 18,287.39   | 25.00%        | 0.13%                 | 330.08             | 412.60                |
| SCI     | 6085                                  | JONES, C.                            | *VMRC FINFISH AGEING           | 540021    | 6085   | 25.00%   | 43,605.82    | 10,901.45      | 54,507.27   | 25.00%        | 0.38%                 | 983.84             | 1,229.81              |
| SCI     | 6085                                  | JONES, C.                            | VAMSCF VA MD SEA TURTLE AMD 02 | 715431    | 6085   | 50.00%   | 2,878.51     | 1,439.26       | 4,317.77    | 50.00%        | 0.05%                 | 129.89             | 162.36                |
| SCI     | 6085                                  | MCCONAUGHA, J.                       | NOAA CHANGING POP BLUE CRAB #1 | 320951    | 6085   | 50.00%   | 8,172.44     | 4,086.23       | 12,258.67   | 50.00%        | 0.14%                 | 368.78             | 460.97                |
| SCI     | 6085                                  | MULHOLLAND, M.                       | NASA COAST WATERS W GULF MEX   | 135301    | 6085   | 53.00%   | 9,513.67     | 5,042.23       | 14,555.90   | 53.00%        | 0.18%                 | 455.06             | 568.82                |
| SCI     | 6085                                  | MULHOLLAND, M.                       | NASA CLIMATE VARIABILITY SUPP5 | 186011    | 6085   | 42.00%   | 12,471.85    | 5,238.18       | 17,710.03   | 42.00%        | 0.18%                 | 472.74             | 590.93                |
| SCI     | 6085                                  | MULHOLLAND, M.                       | NSF COLL RES CYANATE AVAILABIL | 320391    | 6085   | 53.00%   | 23,267.16    | 12,331.61      | 35,598.77   | 53.00%        | 0.43%                 | 1,112.92           | 1,391.14              |
| SCI     | 6085                                  | MULHOLLAND, M.                       | NSF RAPID DINITROGEN FIXATION  | 324251    | 6085   | 53.00%   | 0.00         | (0.19)         | (0.19)      | --            | 0.00%                 | (0.02)             | (0.02)                |
| SCI     | 6085                                  | MULHOLLAND, M.                       | NSF COLL RES: NITROGEN DEPOSIT | 330361    | 6085   | 53.00%   | 936.87       | 496.55         | 1,433.42    | 53.00%        | 0.02%                 | 44.81              | 56.02                 |
| SCI     | 6085                                  | MULHOLLAND, M.                       | ODU/VDEQ NUTRIENT REGENE MOD 4 | 525781    | 6085   | 10.00%   | 843.62       | 84.37          | 927.99      | 10.00%        | 0.00%                 | 7.61               | 9.52                  |
| SCI     | 6085                                  | MULHOLLAND, M.                       | ODU/VDEQ PROMOTE ALG BLMS MOD4 | 525791    | 6085   | 10.00%   | 41,954.06    | 4,195.41       | 46,149.47   | 10.00%        | 0.15%                 | 378.63             | 473.29                |
| SCI     | 6085                                  | MULHOLLAND, M.                       | ODU/VDEQ DIAGNOSTIC PIGMT MOD4 | 525801    | 6085   | 10.00%   | 4,070.27     | 407.03         | 4,477.30    | 10.00%        | 0.01%                 | 36.73              | 45.92                 |
| SCI     | 6085                                  | MULHOLLAND, M.                       | *WERF ALGAL NUTRIENT REMOV A02 | 716301    | 6085   | 50.00%   | 23,561.59    | 11,780.81      | 35,342.40   | 50.00%        | 0.42%                 | 1,063.21           | 1,329.01              |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College             | Department | Principal Investigator<br>(See note) | Agency Title or Reference | Project #                      | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                                     |  |           |
|---------------------|------------|--------------------------------------|---------------------------|--------------------------------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-------------------------------------|--|-----------|
|                     |            |                                      |                           |                                |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |           |
| SCI                 | *          | 6085                                 | SCHAFFLER, J.             | NSF NURSERY AREA DYNAMICS AMD2 | 300951 | 6085        | 50.00%          | 24,934.13         | 12,467.07      | 37,401.19        | 50.00%                   | 0.44%                               | 1,125.14                               | 1,406.42  |
| SCI                 |            | 6085                                 | SEDWICK, P.               | NSF GEOTRACES PACIFIC SHIPBOAR | 323151 | 6085        | 53.00%          | 18,017.55         | 9,549.30       | 27,566.85        | 53.00%                   | 0.34%                               | 861.81                                 | 1,077.27  |
| SCI                 |            | 6085                                 | SEDWICK, P.               | NSF COLL RES: NITROGEN DEPOSIT | 330362 | 6085        | 53.00%          | 32,940.87         | 2,973.77       | 35,914.64        | 9.03%                    | 0.10%                               | 268.38                                 | 335.47    |
| SCI                 |            | 6085                                 | SEDWICK, P.               | NSF US GEOTRACES N. ATL IRON   | 394481 | 6085        | 50.00%          | 14,859.54         | 7,429.79       | 22,289.33        | 50.00%                   | 0.26%                               | 670.53                                 | 838.16    |
| SCI                 |            | 6085                                 | SEDWICK, P.               | NSF IRON SUPPLY ROSS SEA       | 396851 | 6085        | 50.00%          | 38,751.36         | 19,062.43      | 57,813.79        | 49.19%                   | 0.67%                               | 1,720.36                               | 2,150.46  |
| SCI                 | *          | 6085                                 | SEDWICK, P.               | NSF IRON SUPPLY ROSS SEA       | 396852 | 6085        | 50.00%          | 9,554.29          | 4,777.15       | 14,331.45        | 50.00%                   | 0.17%                               | 431.13                                 | 538.92    |
| SCI                 | *          | 6085                                 | SEDWICK, P.               | ORAU BIOACTIVE TRACE ELEMNT M4 | 702771 | 6085        | 50.00%          | 5,873.23          | 2,936.63       | 8,809.85         | 50.00%                   | 0.10%                               | 265.03                                 | 331.28    |
| SCI                 | *          | 6085                                 | WHITTECAR, R.             | *ODU/VDOE LENS MODEL HS SCIENC | 524481 | 6085        | 8.00%           | 38,552.02         | 1,191.33       | 39,743.36        | 3.09%                    | 0.04%                               | 107.52                                 | 134.40    |
| SCI                 | *          | 6085                                 | WHITTECAR, R.             | *ODU/VDOE LENS PROF DEVEL MOD1 | 532151 | 6085        | 8.00%           | 11,005.13         | 859.16         | 11,864.29        | 7.81%                    | 0.03%                               | 77.54                                  | 96.92     |
| SCI                 |            | 6085                                 | WHITTECAR, R.             | ODU/USGS EDMAP GEOLOGY OF SC   | 532541 | 6085        | 18.00%          | 4,368.90          | 786.40         | 5,155.30         | 18.00%                   | 0.03%                               | 70.97                                  | 88.71     |
| SCI                 | *          | 6085                                 | WHITTECAR, R.             | ODU/VDOE TCHR RECRUIT MASTER1  | 534901 | 6085        | 5.00%           | 55,910.43         | 2,703.70       | 58,614.12        | 4.84%                    | 0.10%                               | 244.01                                 | 305.01    |
| SCI                 | *          | 6085                                 | WHITTECAR, R.             | ODU/VDOE MASTER1 YR 2          | 534902 | 6085        | 5.00%           | 29,434.32         | 1,471.71       | 30,906.03        | 5.00%                    | 0.05%                               | 132.82                                 | 166.03    |
| SCI                 |            | 6085                                 | WHITTECAR, R.             | *VT WETLAND WATER BUDGET MOD5  | 585981 | 6085        | 35.00%          | 24,089.90         | 8,431.47       | 32,521.37        | 35.00%                   | 0.30%                               | 760.93                                 | 951.16    |
| SCI                 |            | 6085                                 | WHITTECAR, R.             | HYDROGEOLOGIC ASSESS & MONITOR | 711991 | 6085        | 25.00%          | 4,646.49          | 1,161.63       | 5,808.12         | 25.00%                   | 0.04%                               | 104.84                                 | 131.04    |
| SCI                 |            | 6085                                 | ZIMMERMAN, R.             | NSF CLIMATE WARMING EELGRASS   | 307291 | 6085        | 50.00%          | 62,859.14         | 31,429.58      | 94,288.72        | 50.00%                   | 1.11%                               | 2,836.49                               | 3,545.61  |
| SCI                 |            | 6085                                 | ZIMMERMAN, R.             | VIMS CELEBI FELLOWSHIP         | 524021 | 6085        | 5.00%           | 16,812.98         | 840.66         | 17,653.64        | 5.00%                    | 0.03%                               | 75.87                                  | 94.84     |
| * Department Total: |            |                                      |                           |                                |        |             |                 | 1,846,601.65      | 479,911.33     | 2,326,512.98     |                          | 16.91%                              | 43,311.48                              | 54,139.40 |



OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College | Department | Principal Investigator<br>(See note)     | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|---------|------------|--|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--|--|
|         |            |  |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |  |  |
|         |            | Center for Coastal Physical Oceanography |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| SCI     | 6086       | ATKINSON, L.                             | RUTGERS MARACOOS TO #024 MOD#2 | 512221    | 6086   | 50.00%      | 39,108.96       | 19,554.49         | 58,663.45      | 50.00%           | 0.69%                    | 1,764.77              | 2,205.97                               |  |
| SCI     | * 6086     | ATKINSON, L.                             | *VIMS HR ADAPTION FORUM        | 522771    | 6086   | 53.00%      | 3,418.84        | 1,811.99          | 5,230.82       | 53.00%           | 0.06%                    | 163.53                | 204.41                                 |  |
| SCI     | 6086       | ATKINSON, L.                             | RUTGERS MARACOOS R. TOLL MOD 1 | 535611    | 6086   | 10.00%      | 52,518.39       | 5,251.83          | 57,770.22      | 10.00%           | 0.19%                    | 473.97                | 592.47                                 |  |
| SCI     | * 6086     | ATKINSON, L.                             | ALT ENERGY PROGRAM - RACEWAYS  | 597981    | 6086   | 0.00%       | (347.28)        | 0.00              | (347.28)       | 0.00%            | 0.00%                    | -                     | -                                      |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF WEDDELL SEALS ARRA         | 300161    | 6086   | 42.00%      | 1,095.68        | 460.19            | 1,555.87       | 42.00%           | 0.02%                    | 41.53                 | 51.91                                  |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF ACCIMA                     | 306781    | 6086   | 50.00%      | 12,692.59       | 6,346.30          | 19,038.89      | 50.00%           | 0.22%                    | 572.75                | 715.93                                 |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF SEASONAL EVOLUTION ARRA    | 386461    | 6086   | 42.00%      | 231.10          | 97.06             | 328.17         | 42.00%           | 0.00%                    | 8.76                  | 10.95                                  |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF PROCESSES CONTROLLING      | 394241    | 6086   | 50.00%      | 26,059.20       | 13,029.60         | 39,088.80      | 50.00%           | 0.46%                    | 1,175.91              | 1,469.88                               |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF IRON SUPPLY ROSS SEA       | 396852    | 6086   | 50.00%      | 9,554.29        | 4,777.15          | 14,331.45      | 50.00%           | 0.17%                    | 431.13                | 538.92                                 |  |
| SCI     | * 6086     | DINNIMAN, M.                             | NSF SAM CONTRIBUTION           | 397111    | 6086   | 50.00%      | 21,209.94       | 10,604.97         | 31,814.91      | 50.00%           | 0.37%                    | 957.09                | 1,196.36                               |  |
| SCI     | 6086       | EZER, T.                                 | * NOAA MODELING SEA ICE-OCEAN  | 381461    | 6086   | 42.00%      | 5,631.23        | 2,365.12          | 7,996.35       | 42.00%           | 0.08%                    | 213.45                | 266.81                                 |  |
| SCI     | * 6086     | EZER, T.                                 | *KENAI BELUGA WHALE AMD#3      | 513381    | 6086   | 0.00%       | 26,664.58       | 0.00              | 26,664.58      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| SCI     | 6086       | EZER, T.                                 | TRACTEBEL RED SEA DEAD SEA     | 783572    | 6086   | 42.00%      | 939.40          | 394.55            | 1,333.95       | 42.00%           | 0.01%                    | 35.61                 | 44.51                                  |  |
| SCI     | * 6086     | GROSCH, C.                               | NSF LES MODELING               | 394431    | 6086   | 50.00%      | 10,946.55       | 5,473.28          | 16,419.83      | 50.00%           | 0.19%                    | 493.96                | 617.45                                 |  |
| SCI     | * 6086     | HOFMANN, E.                              | NSF WEDDELL SEALS ARRA         | 300161    | 6086   | 42.00%      | 1,128.89        | 474.13            | 1,603.02       | 42.00%           | 0.02%                    | 42.79                 | 53.49                                  |  |
| SCI     | * 6086     | HOFMANN, E.                              | NSF SEASONAL EVOLUTION ARRA    | 386461    | 6086   | 42.00%      | 238.11          | 100.00            | 338.11         | 42.00%           | 0.00%                    | 9.03                  | 11.28                                  |  |
| SCI     | * 6086     | HOFMANN, E.                              | NSF CLIMATE CHANGE/COUPLED MS  | 392751    | 6086   | 50.00%      | 7,472.93        | 3,736.47          | 11,209.40      | 50.00%           | 0.13%                    | 337.21                | 421.52                                 |  |
| SCI     | * 6086     | HOFMANN, E.                              | NSF IRON SUPPLY ROSS SEA       | 396852    | 6086   | 50.00%      | 9,554.29        | 4,777.15          | 14,331.45      | 50.00%           | 0.17%                    | 431.13                | 538.92                                 |  |
| SCI     | * 6086     | HOFMANN, E.                              | NSF MOD DISEASE PROCESSES      | 322141    | 6086   | 53.00%      | 109,523.52      | 17,867.79         | 127,391.30     | 16.31%           | 0.63%                    | 1,612.55              | 2,015.69                               |  |
| SCI     | 6086       | HOFMANN, E.                              | NSF GLOBEC PAN-REGIONAL        | 382981    | 6086   | 42.00%      | 2,270.80        | 953.73            | 3,224.53       | 42.00%           | 0.03%                    | 86.07                 | 107.59                                 |  |
| SCI     | 6086       | HOFMANN, E.                              | VIMS CARBON CYCLING AMD #2     | 501411    | 6086   | 50.00%      | 22,911.23       | 11,455.63         | 34,366.86      | 50.00%           | 0.40%                    | 1,033.86              | 1,292.32                               |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF WEDDELL SEALS ARRA         | 300161    | 6086   | 42.00%      | 1,095.68        | 460.19            | 1,555.87       | 42.00%           | 0.02%                    | 41.53                 | 51.91                                  |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF ACCIMA                     | 306781    | 6086   | 50.00%      | 12,692.59       | 6,346.30          | 19,038.89      | 50.00%           | 0.22%                    | 572.75                | 715.93                                 |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF MOD DISEASE PROCESSES      | 322141    | 6086   | 53.00%      | 109,523.52      | 17,867.79         | 127,391.30     | 16.31%           | 0.63%                    | 1,612.55              | 2,015.69                               |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF SEASONAL EVOLUTION ARRA    | 386461    | 6086   | 42.00%      | 231.10          | 97.06             | 328.17         | 42.00%           | 0.00%                    | 8.76                  | 10.95                                  |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF CLIMATE CHANGE/COUPLED MS  | 392751    | 6086   | 50.00%      | 7,472.93        | 3,736.47          | 11,209.40      | 50.00%           | 0.13%                    | 337.21                | 421.52                                 |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF PROCESSES CONTROLLING      | 394241    | 6086   | 50.00%      | 26,059.20       | 13,029.60         | 39,088.80      | 50.00%           | 0.46%                    | 1,175.91              | 1,469.88                               |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF IRON SUPPLY ROSS SEA       | 396852    | 6086   | 50.00%      | 9,554.29        | 4,777.15          | 14,331.45      | 50.00%           | 0.17%                    | 431.13                | 538.92                                 |  |
| SCI     | * 6086     | KLINCK, J.                               | NSF SAM CONTRIBUTION           | 397111    | 6086   | 50.00%      | 21,209.94       | 10,604.97         | 31,814.91      | 50.00%           | 0.37%                    | 957.09                | 1,196.36                               |  |
|         |            | * Department Total:                      |                                |           |        |             |                 | 550,662.46        | 166,450.97     | 717,113.42       |                          | 5.86%                 | 15,022.03                              | 18,777.54                              |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|---------|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--|--|
|         |            |                                      |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |  |  |
|         | Psychology |                                      |                                |           |        |             |                 |                   |                |                  |                          |                       |  |  |
| SCI     | * 6087     | ASH, I.                              | NSF SBE SMALL COLLABORATIVE    | 332831    | 6087   | 53.00%      | 171.87          | 91.09             | 262.96         | 53.00%           | 0.00%                    | 8.22                  | 10.28                                  |  |
| SCI     | 6087       | BARRACO, C.                          | NIH SECONDARY PREVENTION YR 4  | 301511    | 6087   | 8.00%       | 62,567.89       | 5,005.44          | 67,573.33      | 8.00%            | 0.18%                    | 451.74                | 564.67                                 |  |
| SCI     | * 6087     | BARRACO, C.                          | NIH ALCOHOL & PARTNER VIOLENCE | 313921    | 6087   | 53.00%      | 9,708.95        | 5,145.74          | 14,854.69      | 53.00%           | 0.18%                    | 464.40                | 580.50                                 |  |
| SCI     | 6087       | BLISS, J.                            | A2T2 FRAM PHASE II MOD 1       | 734781    | 6087   | 53.00%      | 34,972.14       | 0.00              | 34,972.14      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| SCI     | 6087       | BRAITMAN, A.                         | NIH ONLINE INTERVENTION MOD2   | 315331    | 6087   | 0.00%       | 26,266.04       | 0.00              | 26,266.04      | 0.00%            | 0.00%                    | -                     | -                                      |  |
| SCI     | 6087       | BRILL, C.                            | BATTELLE 3-DIMENSIONAL AUD M1  | 737511    | 6087   | 26.00%      | 6,240.29        | 1,622.48          | 7,862.77       | 26.00%           | 0.06%                    | 146.43                | 183.03                                 |  |
| SCI     | 6087       | CIGULAROV, K.                        | CSU ENHANCE SAFETY LDRSHIP M1  | 516242    | 6087   | 95.00%      | 1,919.46        | 479.87            | 2,399.33       | 25.00%           | 0.02%                    | 43.31                 | 54.13                                  |  |
| SCI     | * 6087     | HENSON, M.                           | NIH SECONDARY EFFECTS YEAR 5   | 390181    | 6087   | 50.00%      | 8,062.51        | 4,031.26          | 12,093.77      | 50.00%           | 0.14%                    | 363.82                | 454.77                                 |  |
| SCI     | 6087       | HENSON, M.                           | *ABMRF UNINTENDED DRINKING YR2 | 704271    | 6087   | 15.00%      | 2,097.61        | 314.64            | 2,412.25       | 15.00%           | 0.01%                    | 28.40                 | 35.49                                  |  |
| SCI     | * 6087     | KELLEY, M.                           | NIH SECONDARY EFFECTS YEAR 5   | 390181    | 6087   | 50.00%      | 72,562.63       | 36,281.32         | 108,843.95     | 50.00%           | 1.28%                    | 3,274.35              | 4,092.94                               |  |
| SCI     | 6087       | KELLEY, M.                           | NIH SECONDARY EFFECTS YEAR 4S1 | 390182    | 6087   | 8.00%       | 8,244.26        | 659.54            | 8,903.80       | 8.00%            | 0.02%                    | 59.52                 | 74.40                                  |  |
| SCI     | * 6087     | KELLEY, M.                           | ARRA NIH ALCOHOL SBIRT YR#2    | 396311    | 6087   | 50.00%      | 2,918.22        | 1,459.09          | 4,377.31       | 50.00%           | 0.05%                    | 131.68                | 164.60                                 |  |
| SCI     | * 6087     | KELLEY, M.                           | NIH ALCOHOL & PARTNER VIOLENCE | 313921    | 6087   | 53.00%      | 9,708.95        | 5,145.74          | 14,854.69      | 53.00%           | 0.18%                    | 464.40                | 580.50                                 |  |
| SCI     | * 6087     | LEWIS, R.                            | NIH ALCOHOL & PARTNER VIOLENCE | 313921    | 6087   | 53.00%      | 21,359.69       | 11,320.63         | 32,680.32      | 53.00%           | 0.40%                    | 1,021.68              | 1,277.09                               |  |
| SCI     | 6087       | MADHAVAN, P.                         | VIMS AQUACULTURE EXPANSION BAY | 525891    | 6087   | 53.00%      | 6,278.84        | 3,327.78          | 9,606.62       | 53.00%           | 0.12%                    | 300.33                | 375.41                                 |  |
| SCI     | 6087       | MAJOR, D.                            | NSF PATCHING STEM PIPELINE     | 332521    | 6087   | 53.00%      | 33,488.89       | 17,749.12         | 51,238.01      | 53.00%           | 0.63%                    | 1,601.84              | 2,002.30                               |  |
| SCI     | 6087       | MAJOR, D.                            | NSF GENDER DIVIDE ENG&CS       | 395151    | 6087   | 50.00%      | 7,474.65        | 3,737.33          | 11,211.98      | 50.00%           | 0.13%                    | 337.29                | 421.61                                 |  |
| SCI     | * 6087     | MAJOR, D.                            | NSF REU GENDER DIV ENG&CS M1   | 395152    | 6087   | 25.00%      | 13,163.25       | 3,290.82          | 16,454.07      | 25.00%           | 0.12%                    | 296.99                | 371.24                                 |  |
| SCI     | * 6087     | ORVIS, K.                            | NSF REU GENDER DIV ENG&CS M1   | 395152    | 6087   | 25.00%      | 13,163.25       | 3,290.82          | 16,454.07      | 25.00%           | 0.12%                    | 296.99                | 371.24                                 |  |
| SCI     | * 6087     | PADILLA, M.                          | NIH ALCOHOL & PARTNER VIOLENCE | 313921    | 6087   | 53.00%      | 14,239.79       | 7,547.09          | 21,786.88      | 53.00%           | 0.27%                    | 681.12                | 851.40                                 |  |
| SCI     | 6087       | PORTER, B.                           | *DMV OCCUPANT PRGRM RISK AREAS | 524921    | 6087   | 10.00%      | 41,005.08       | 4,100.50          | 45,105.58      | 10.00%           | 0.14%                    | 370.07                | 462.58                                 |  |
| SCI     | 6087       | PORTER, B.                           | *DMV SEAT BELT SURVEY 2013     | 524931    | 6087   | 10.00%      | 64,975.70       | 6,089.07          | 71,064.77      | 9.37%            | 0.21%                    | 549.53                | 686.92                                 |  |
| SCI     | 6087       | PORTER, B.                           | *DMV VIRGINIA SEAT BELT CORE   | 537781    | 6087   | 10.00%      | 7,985.40        | 798.55            | 8,783.95       | 10.00%           | 0.03%                    | 72.07                 | 90.09                                  |  |
| SCI     | 6087       | PORTER, B.                           | *DMV OCCUPANT PROTECTION RISK  | 537791    | 6087   | 10.00%      | 33,850.09       | 3,385.01          | 37,235.10      | 10.00%           | 0.12%                    | 305.49                | 381.87                                 |  |
| SCI     | * 6087     | SCERBO, M.                           | AHRQ LAPROSCOPIC SKILL YEAR 2  | 304941    | 6087   | 75.00%      | 67,676.36       | 11,633.86         | 79,310.22      | 75.00%           | 0.41%                    | 1,049.94              | 1,312.43                               |  |
| SCI     | * 6087     | SCERBO, M.                           | EVMS STANDARDIZED PATIENT MOD4 | 506651    | 6087   | 26.00%      | 9,122.90        | 2,371.95          | 11,494.86      | 26.00%           | 0.08%                    | 214.07                | 267.58                                 |  |
| SCI     | * 6087     | SCERBO, M.                           | ODUOR VIRTUAL OP ROOM          | 531742    | 6087   | 10.00%      | 281.20          | 0.00              | 281.20         | 10.00%           | 0.00%                    | -                     | -                                      |  |
| SCI     | * 6087     | SCERBO, M.                           | ODUOR ULTRASOUND SIMULATION    | 531743    | 6087   | 10.00%      | 4.85            | 0.00              | 4.85           | 10.00%           | 0.00%                    | -                     | -                                      |  |
| SCI     | * 6087     | SCERBO, M.                           | VMASC:VIRTUAL OPERATING ROOM   | 540723    | 6087   | 12.00%      | 1,968.59        | 0.00              | 1,968.59       | 12.00%           | 0.00%                    | -                     | -                                      |  |
| SCI     | * 6087     | SCERBO, M.                           | VMASC:TOOL DEV CHRONIC DISEASE | 540724    | 6087   | 12.00%      | 2,012.14        | 0.00              | 2,012.14       | 12.00%           | 0.00%                    | -                     | -                                      |  |
| SCI     | 6087       | SCERBO, M.                           | MCI PROF ATTITUDES & COMMUN.   | 714851    | 6087   | 53.00%      | 25,233.37       | 13,373.68         | 38,607.05      | 53.00%           | 0.47%                    | 1,206.96              | 1,508.70                               |  |
| SCI     | * 6087     | WINSTEAD, B.                         | NIH ALCOHOL & PARTNER VIOLENCE | 313921    | 6087   | 53.00%      | 9,708.95        | 5,145.74          | 14,854.69      | 53.00%           | 0.18%                    | 464.40                | 580.50                                 |  |
|         |            | * Department Total:                  |                                |           |        |             | 618,433.80      | 157,398.15        | 775,831.96     |                  | 5.55%                    | 14,205.04             | 17,756.27                              |  |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                       | Department<br>Allocation |
|---------|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-----------------------|--------------------------|
|         |            |                                      |                                |           |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation |                          |
|         |            |                                      |                                |           |        |             |                 |                   |                |                  |                          | <b>256,142.00</b>     | <b>320,178.00</b>        |
|         |            | Physics                              |                                |           |        |             |                 |                   |                |                  |                          |                       |                          |
| SCI     | * 6090     | AMARIAN, M.                          | DOE QUARKS TO NUCLEI MOD 21    | 350314    | 6090   | 50.00%      | 40,885.05       | 20,429.69         | 61,314.75      | 49.97%           | 0.72%                    | 1,843.76              | 2,304.70                 |
| SCI     | * 6090     | ARETI, H.                            | NSF REU AT ODU RENEWAL AMD 4   | 310491    | 6090   | 95.00%      | 27,555.03       | 4,500.00          | 32,055.03      | 16.33%           | 0.16%                    | 406.12                | 507.65                   |
| SCI     | * 6090     | BALITSKY, I.                         | DOE MOD17 THRY NUCLEAR PHYSICS | 370662    | 6090   | 50.00%      | 248.89          | 124.45            | 373.34         | 50.00%           | 0.00%                    | 11.23                 | 14.04                    |
| SCI     | * 6090     | BALITSKY, I.                         | DOE MOD#17 THRY NUCLEAR PHYSIC | 370663    | 6090   | 53.00%      | 8,920.55        | 3,851.91          | 12,772.46      | 43.18%           | 0.14%                    | 347.63                | 434.54                   |
| SCI     | * 6090     | BUELTMANN, S.                        | ARRA NSF MRI-CONSORTIUM        | 300701    | 6090   | 50.00%      | 36,317.75       | 4,936.77          | 41,254.51      | 13.59%           | 0.17%                    | 445.54                | 556.92                   |
| SCI     | * 6090     | BUELTMANN, S.                        | NSF REU AT ODU RENEWAL AMD 4   | 310491    | 6090   | 95.00%      | 9,185.01        | 1,500.00          | 10,685.01      | 16.33%           | 0.05%                    | 135.37                | 169.22                   |
| SCI     | * 6090     | BUELTMANN, S.                        | DOE QUARKS TO NUCLEI MOD 21    | 350314    | 6090   | 50.00%      | 40,885.05       | 20,429.69         | 61,314.75      | 49.97%           | 0.72%                    | 1,843.76              | 2,304.70                 |
| SCI     | * 6090     | BUELTMANN, S.                        | JSA DRIFT CHAMBER MOD6         | 706141    | 6090   | 27.00%      | 13,410.64       | 3,620.87          | 17,031.52      | 27.00%           | 0.13%                    | 326.78                | 408.47                   |
| SCI     | 6090       | DE PAOR, D.                          | NSF DUE-1022755 COL RSCH SCAFF | 303981    | 6090   | 50.00%      | 53,127.18       | 26,563.60         | 79,690.78      | 50.00%           | 0.94%                    | 2,397.34              | 2,996.67                 |
| SCI     | * 6090     | DE PAOR, D.                          | NSF GEO-ED VIRTUAL 4-D         | 304931    | 6090   | 50.00%      | 695.52          | 347.76            | 1,043.28       | 50.00%           | 0.01%                    | 31.38                 | 39.23                    |
| SCI     | * 6090     | DE PAOR, D.                          | NSF GOOGLE EARTH FOR EDUCATION | 340681    | 6090   | 53.00%      | 1,431.81        | 758.86            | 2,190.67       | 53.00%           | 0.03%                    | 68.49                 | 85.61                    |
| SCI     | 6090       | DELAYEN, J.                          | FERMILAB CRABBING SYSTEM REV 5 | 306582    | 6090   | 53.00%      | 5,029.51        | 2,666.00          | 7,695.51       | 53.01%           | 0.09%                    | 240.60                | 300.75                   |
| SCI     | * 6090     | DELAYEN, J.                          | DOE SC0010081 SUPER MAT HIGRAD | 330131    | 6090   | 53.00%      | 7,845.90        | 4,158.33          | 12,004.23      | 53.00%           | 0.15%                    | 375.28                | 469.11                   |
| SCI     | 6090       | DELAYEN, J.                          | DOE DESC0004094 MOD1           | 396741    | 6090   | 50.00%      | 78,995.54       | 12,202.78         | 91,198.32      | 15.45%           | 0.43%                    | 1,101.29              | 1,376.61                 |
| SCI     | 6090       | DELAYEN, J.                          | NIOWAVE 500MHZSRF SPOKECAV     | 706051    | 6090   | 50.00%      | 21,916.17       | 10,958.54         | 32,874.71      | 50.00%           | 0.39%                    | 989.00                | 1,236.25                 |
| SCI     | 6090       | DELAYEN, J.                          | NIOWAVE 400MHZSRF CRABBING CAV | 706053    | 6090   | 50.00%      | 42,459.58       | 21,229.81         | 63,689.39      | 50.00%           | 0.75%                    | 1,915.97              | 2,394.96                 |
| SCI     | 6090       | DELAYEN, J.                          | SRF CRAB ELECTRON ION MOD2     | 706055    | 6090   | 50.00%      | 81,797.40       | 39,898.76         | 121,696.16     | 48.78%           | 1.41%                    | 3,600.82              | 4,501.03                 |
| SCI     | 6090       | DELAYEN, J.                          | NIOWAVE 700 MHZ SPOKE INJECTOR | 724841    | 6090   | 53.00%      | 14,917.09       | 7,906.04          | 22,823.13      | 53.00%           | 0.28%                    | 713.51                | 891.89                   |
| SCI     | * 6090     | DODGE, G.                            | DOE QUARKS TO NUCLEI MOD 21    | 350314    | 6090   | 50.00%      | 40,909.60       | 20,441.95         | 61,351.55      | 49.97%           | 0.72%                    | 1,844.87              | 2,306.08                 |
| SCI     | * 6090     | DODGE, G.                            | JSA DRIFT CHAMBER MOD6         | 706141    | 6090   | 27.00%      | 6,705.32        | 1,810.44          | 8,515.76       | 27.00%           | 0.06%                    | 163.39                | 204.24                   |
| SCI     | 6090       | DUDEK, J.                            | DOE GERMANY EXCHANGE PROG MOD2 | 310581    | 6090   | 26.00%      | 14,865.71       | 3,865.09          | 18,730.80      | 26.00%           | 0.14%                    | 348.82                | 436.03                   |
| SCI     | * 6090     | DUDEK, J.                            | DOE MOD17 THRY NUCLEAR PHYSICS | 370662    | 6090   | 50.00%      | 248.89          | 124.45            | 373.34         | 50.00%           | 0.00%                    | 11.23                 | 14.04                    |
| SCI     | * 6090     | DUDEK, J.                            | DOE MOD#17 THRY NUCLEAR PHYSIC | 370663    | 6090   | 53.00%      | 8,920.55        | 3,851.91          | 12,772.46      | 43.18%           | 0.14%                    | 347.63                | 434.54                   |
| SCI     | 6090       | DUDEK, J.                            | ODU/DOE DESC0006765 MOD2       | 510881    | 6090   | 50.00%      | 54,888.28       | 27,444.17         | 82,332.45      | 50.00%           | 0.97%                    | 2,476.81              | 3,096.01                 |
| SCI     | * 6090     | GUREVICH, A.                         | DOE SC0010081 SUPER MAT HIGRAD | 330131    | 6090   | 53.00%      | 7,845.90        | 4,158.33          | 12,004.23      | 53.00%           | 0.15%                    | 375.28                | 469.11                   |
| SCI     | 6090       | HAVEY, M.                            | NSF DISORDER EFFECTS AMD#3     | 312001    | 6090   | 50.00%      | 52,021.44       | 23,613.23         | 75,634.67      | 45.39%           | 0.83%                    | 2,131.07              | 2,663.84                 |
| SCI     | 6090       | HYDE, C.                             | BNL DIRC-BASED PID MOD2        | 316981    | 6090   | 53.00%      | 4,243.96        | 2,249.30          | 6,493.26       | 53.00%           | 0.08%                    | 203.00                | 253.75                   |
| SCI     | * 6090     | HYDE, C.                             | DOE QUARKS TO NUCLEI MOD 21    | 350314    | 6090   | 50.00%      | 40,909.60       | 20,441.95         | 61,351.55      | 49.97%           | 0.72%                    | 1,844.87              | 2,306.08                 |
| SCI     | * 6090     | KUHN, S.                             | ARRA NSF MRI-CONSORTIUM        | 300701    | 6090   | 50.00%      | 36,317.75       | 4,936.77          | 41,254.51      | 13.59%           | 0.17%                    | 445.54                | 556.92                   |
| SCI     | * 6090     | KUHN, S.                             | DOE JEFFERSON LAB DATA MOD#2   | 317371    | 6090   | 50.00%      | 21,007.38       | 10,503.70         | 31,511.08      | 50.00%           | 0.37%                    | 947.95                | 1,184.93                 |
| SCI     | * 6090     | KUHN, S.                             | DOE QUARKS TO NUCLEI MOD 21    | 350314    | 6090   | 50.00%      | 40,909.60       | 20,441.95         | 61,351.55      | 49.97%           | 0.72%                    | 1,844.87              | 2,306.08                 |

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013

| College             | Department | Principal Investigator<br>(See note) | Agency Title or Reference | Project #                      | Dept # | IDC<br>RATE | DIRECT<br>COSTS | INDIRECT<br>COSTS | TOTAL<br>COSTS | Effective        |                          |                                     | Department<br>Allocation<br>320,178.00 |           |
|---------------------|------------|--------------------------------------|---------------------------|--------------------------------|--------|-------------|-----------------|-------------------|----------------|------------------|--------------------------|-------------------------------------|--|-----------|
|                     |            |                                      |                           |                                |        |             |                 |                   |                | Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation<br>256,142.00 |  |           |
| SCI                 | *          | 6090                                 | RADYUSHKIN, A.            | DOE MOD17 THRY NUCLEAR PHYSICS | 370662 | 6090        | 50.00%          | 248.89            | 124.45         | 373.34           | 50.00%                   | 0.00%                               | 11.23                                  | 14.04     |
| SCI                 | *          | 6090                                 | RADYUSHKIN, A.            | DOE MOD#17 THRY NUCLEAR PHYSIC | 370663 | 6090        | 53.00%          | 8,920.55          | 3,851.91       | 12,772.46        | 43.18%                   | 0.14%                               | 347.63                                 | 434.54    |
| SCI                 | *          | 6090                                 | SCHIAVILLA, R.            | DOE MOD17 THRY NUCLEAR PHYSICS | 370662 | 6090        | 50.00%          | 248.89            | 124.45         | 373.34           | 50.00%                   | 0.00%                               | 11.23                                  | 14.04     |
| SCI                 | *          | 6090                                 | SCHIAVILLA, R.            | DOE MOD#17 THRY NUCLEAR PHYSIC | 370663 | 6090        | 53.00%          | 8,920.55          | 3,851.91       | 12,772.46        | 43.18%                   | 0.14%                               | 347.63                                 | 434.54    |
| SCI                 |            | 6090                                 | SUKENIK, C.               | ANL GRAD PARTICIPANTSHIP MOD1  | 325901 | 6090        | 26.00%          | 1,004.35          | 261.13         | 1,265.48         | 26.00%                   | 0.01%                               | 23.57                                  | 29.46     |
| SCI                 |            | 6090                                 | SUKENIK, C.               | ARRA NSF ULTRACOLD MOLECULES   | 391441 | 6090        | 50.00%          | 7,785.23          | 3,892.62       | 11,677.85        | 50.00%                   | 0.14%                               | 351.30                                 | 439.13    |
| SCI                 |            | 6090                                 | SUKENIK, C.               | *JSA PHYSICS GRA SUPPORT MOD14 | 712331 | 6090        | 0.00%           | 100,762.56        | 0.00           | 100,762.56       | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 |            | 6090                                 | SUKENIK, C.               | JSA 12-C2447100 MOD7           | 730231 | 6090        | 0.00%           | 131,529.50        | 0.00           | 131,529.50       | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 |            | 6090                                 | SUKENIK, C.               | JSA 12-C2447200 MOD6           | 730232 | 6090        | 0.00%           | 87,769.71         | 0.00           | 87,769.71        | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 |            | 6090                                 | SUKENIK, C.               | JSA FELLOWSHIP C.SHULTZ        | 730671 | 6090        | 0.00%           | 1,999.98          | 0.00           | 1,999.98         | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 |            | 6090                                 | SUKENIK, C.               | JSA FELLOWSHIP CHRISTIANSHULTZ | 737401 | 6090        | 0.00%           | 5,684.22          | 0.00           | 5,684.22         | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 | *          | 6090                                 | VAN ORDEN, J.             | DOE MOD17 THRY NUCLEAR PHYSICS | 370662 | 6090        | 50.00%          | 248.89            | 124.45         | 373.34           | 50.00%                   | 0.00%                               | 11.23                                  | 14.04     |
| SCI                 | *          | 6090                                 | VAN ORDEN, J.             | DOE MOD#17 THRY NUCLEAR PHYSIC | 370663 | 6090        | 53.00%          | 8,920.55          | 3,851.91       | 12,772.46        | 43.18%                   | 0.14%                               | 347.63                                 | 434.54    |
| SCI                 |            | 6090                                 | VUSKOVIC, L.              | NASA CONTROL DEVICES           | 127221 | 6090        | 26.00%          | 39.98             | 9.96           | 49.94            | 24.91%                   | 0.00%                               | 0.90                                   | 1.12      |
| SCI                 |            | 6090                                 | VUSKOVIC, L.              | DOE SRF CAVITIES MOD1          | 325111 | 6090        | 53.00%          | 61,996.33         | 30,035.72      | 92,032.05        | 48.45%                   | 1.06%                               | 2,710.69                               | 3,388.37  |
| SCI                 |            | 6090                                 | VUSKOVIC, L.              | NIA SUB 2941-OD SUPP 64        | 730681 | 6090        | 26.00%          | 68.57             | 17.83          | 86.40            | 26.00%                   | 0.00%                               | 1.61                                   | 2.01      |
| SCI                 |            | 6090                                 | VUSKOVIC, L.              | J12-C2672 SE4 MEASURES ON NB   | 731511 | 6090        | 0.00%           | 64,124.35         | 0.00           | 64,124.35        | 0.00%                    | 0.00%                               | -                                      | -         |
| SCI                 | *          | 6090                                 | WEINSTEIN, L.             | DOE JEFFERSON LAB DATA MOD#2   | 317371 | 6090        | 50.00%          | 21,007.38         | 10,503.70      | 31,511.08        | 50.00%                   | 0.37%                               | 947.95                                 | 1,184.93  |
| SCI                 | *          | 6090                                 | WEINSTEIN, L.             | DOE QUARKS TO NUCLEI MOD 21    | 350314 | 6090        | 50.00%          | 40,909.60         | 20,441.95      | 61,351.55        | 49.97%                   | 0.72%                               | 1,844.87                               | 2,306.08  |
| SCI                 | *          | 6090                                 | WEINSTEIN, L.             | JSA DRIFT CHAMBER MOD6         | 706141 | 6090        | 27.00%          | 13,410.64         | 3,620.87       | 17,031.52        | 27.00%                   | 0.13%                               | 326.78                                 | 408.47    |
| * Department Total: |            |                                      |                           |                                |        |             |                 | 1,381,018.40      | 410,679.94     | 1,791,698.34     |                          | 14.47%                              | 37,063.45                              | 46,329.31 |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College | Department       | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation<br>256,142.00 | Department Allocation<br>320,178.00 |
|---------|------------------|--------------------------------------|--------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-------------------------------------|-------------------------------------|
|         |                  |                                      |                                |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                                     |                                     |
|         | Computer Science |                                      |                                |           |        |          |              |                |             |               |                       |                    |                                     |                                     |
| SCI     | * 6093           | CHERNIKOV, A.                        | NSF RUNTIME SYSTEM REU         | 311072    | 6093   | 25.00%   | 1,438.94     | 280.57         | 1,719.50    | 19.50%        | 0.01%                 | 25.32              | 31.65                               |                                     |
| SCI     | * 6093           | CHERNIKOV, A.                        | NSF REU NON-RIGID REGIST. AMD2 | 314082    | 6093   | 25.00%   | 3,451.29     | 862.82         | 4,314.11    | 25.00%        | 0.03%                 | 77.87              | 97.34                               |                                     |
| SCI     | * 6093           | CHRISOCHOIDES, N.                    | NSF RUNTIME SYSTEM REU         | 311072    | 6093   | 25.00%   | 359.73       | 70.14          | 429.88      | 19.50%        | 0.00%                 | 6.33               | 7.91                                |                                     |
| SCI     | 6093             | CHRISOCHOIDES, N.                    | NSF REAL-TIME MESH CONVERSION  | 314071    | 6093   | 50.00%   | 41,221.15    | 20,610.59      | 61,831.74   | 50.00%        | 0.73%                 | 1,860.08           | 2,325.11                            |                                     |
| SCI     | 6093             | CHRISOCHOIDES, N.                    | NSF NON-RIGID REGISTRAT. AMD2  | 314081    | 6093   | 50.00%   | 404.12       | 202.06         | 606.18      | 50.00%        | 0.01%                 | 18.24              | 22.79                               |                                     |
| SCI     | * 6093           | CHRISOCHOIDES, N.                    | NSF REU NON-RIGID REGIST. AMD2 | 314082    | 6093   | 25.00%   | 862.82       | 215.71         | 1,078.53    | 25.00%        | 0.01%                 | 19.47              | 24.33                               |                                     |
| SCI     | 6093             | CHRISOCHOIDES, N.                    | INTRO NEXT GEN MESH MODELING   | 336931    | 6093   | 53.00%   | 9,756.48     | 477.00         | 10,233.48   | 4.89%         | 0.02%                 | 43.05              | 53.81                               |                                     |
| SCI     | * 6093           | HE, J.                               | ODUOR ELECTRON CRYO-TOMOGRAPHY | 523941    | 6093   | 0.00%    | (5.38)       | 0.00           | (5.38)      | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | HE, W.                               | NSF SBE SMALL COLLABORATIVE    | 332831    | 6093   | 53.00%   | 171.87       | 91.09          | 262.96      | 53.00%        | 0.00%                 | 8.22               | 10.28                               |                                     |
| SCI     | 6093             | JI, S.                               | NSF INTEG ANALYSIS MOUSE BRAIN | 316291    | 6093   | 53.00%   | 34,331.04    | 18,195.45      | 52,526.49   | 53.00%        | 0.64%                 | 1,642.12           | 2,052.65                            |                                     |
| SCI     | 6093             | JI, S.                               | ODU OFC RSH: GENE EXPR ANALYS  | 533531    | 6093   | 0.00%    | 19,483.63    | 0.00           | 19,483.63   | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | LI, L.                               | NSF SBE SMALL COLLABORATIVE    | 332831    | 6093   | 53.00%   | 171.87       | 91.09          | 262.96      | 53.00%        | 0.00%                 | 8.22               | 10.28                               |                                     |
| SCI     | 6093             | LI, Y.                               | NSF NOVEL SAMPLING PROTEIN     | 310631    | 6093   | 50.00%   | 27,663.31    | 13,831.67      | 41,494.98   | 50.00%        | 0.49%                 | 1,248.29           | 1,560.37                            |                                     |
| SCI     | * 6093           | LI, Y.                               | ODUOR PROFILE & ECON IMPACT    | 533561    | 6093   | 0.00%    | 7,929.21     | 0.00           | 7,929.21    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | 6093             | MALY, K.                             | HRPDC CONTRACT MGMT APP        | 525911    | 6093   | 26.00%   | 302.09       | 78.88          | 380.97      | 26.11%        | 0.00%                 | 7.12               | 8.90                                |                                     |
| SCI     | 6093             | MALY, K.                             | CHIRPXM MOBILE APP DEVELOP M3  | 720841    | 6093   | 26.00%   | 823.15       | 214.02         | 1,037.17    | 26.00%        | 0.01%                 | 19.32              | 24.14                               |                                     |
| SCI     | 6093             | MALY, K.                             | SIMIS SOFTWARE R&D SUPP TO 7   | 726221    | 6093   | 26.00%   | 22,349.89    | 5,810.97       | 28,160.86   | 26.00%        | 0.20%                 | 524.43             | 655.54                              |                                     |
| SCI     | 6093             | MALY, K.                             | MIND MATTERS MOBILE OFFICE R&D | 726991    | 6093   | 26.00%   | 41.05        | 10.68          | 51.73       | 26.02%        | 0.00%                 | 0.96               | 1.20                                |                                     |
| SCI     | 6093             | MALY, K.                             | MOBILE APPLICATION GUIDES      | 731701    | 6093   | 26.00%   | 31,439.83    | 8,174.35       | 39,614.18   | 26.00%        | 0.29%                 | 737.73             | 922.16                              |                                     |
| SCI     | 6093             | MALY, K.                             | ABS ERG TECH NETWORK RESEARCH  | 736721    | 6093   | 26.00%   | 10,256.39    | 2,666.66       | 12,923.05   | 26.00%        | 0.09%                 | 240.66             | 300.83                              |                                     |
| SCI     | 6093             | MALY, K.                             | RESITE ONLINE SOFTWARE RSCH M1 | 737411    | 6093   | 26.00%   | 16,518.84    | 4,294.89       | 20,813.73   | 26.00%        | 0.15%                 | 387.61             | 484.51                              |                                     |
| SCI     | 6093             | MALY, K.                             | EDUCATION PARTNERSHIP PROG M1  | 774451    | 6093   | 0.00%    | 585.99       | 0.00           | 585.99      | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | MUKKAMALA, R.                        | LMI JPDO BPA                   | 733861    | 6093   | 53.00%   | 3,499.65     | 1,854.81       | 5,354.46    | 53.00%        | 0.07%                 | 167.39             | 209.24                              |                                     |
| SCI     | 6093             | NADEEM, T.                           | NSF STUDENT TRAVEL MOBISYS 13  | 334001    | 6093   | 0.00%    | 17,905.95    | 0.00           | 17,905.95   | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | NADEEM, T.                           | ODUOR EXPLOITING BLUETOOTH TEC | 523911    | 6093   | 0.00%    | (398.33)     | 0.00           | (398.33)    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | 6093             | NADEEM, T.                           | SIEMENS VEHICLE LANE ID SCHEME | 724371    | 6093   | 53.00%   | 38.55        | 20.23          | 58.78       | 52.48%        | 0.00%                 | 1.83               | 2.28                                |                                     |
| SCI     | 6093             | NELSON, M.                           | NSF COLL RES: WEB ARCHIVE COOP | 302781    | 6093   | 50.00%   | 50,024.05    | 25,012.04      | 75,036.09   | 50.00%        | 0.88%                 | 2,257.31           | 2,821.64                            |                                     |
| SCI     | 6093             | NELSON, M.                           | NDIPP LOC INTEGRATING WEB AMD5 | 305601    | 6093   | 50.00%   | 15,696.39    | 7,848.20       | 23,544.59   | 50.00%        | 0.28%                 | 708.29             | 885.36                              |                                     |
| SCI     | 6093             | NELSON, M.                           | *NISO RESOURCE SYNCHRONIZATION | 722811    | 6093   | 12.00%   | 9,228.38     | 1,107.41       | 10,335.79   | 12.00%        | 0.04%                 | 99.94              | 124.93                              |                                     |
| SCI     | 6093             | NELSON, M.                           | MELLON ENH MEH MEDIAWIKI       | 736411    | 6093   | 0.00%    | 19,189.34    | 0.00           | 19,189.34   | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | OLARIU, S.                           | NSF COL RSH EMERG RETASK ALERT | 313011    | 6093   | 50.00%   | 24,312.73    | 12,156.37      | 36,469.10   | 50.00%        | 0.43%                 | 1,097.10           | 1,371.37                            |                                     |
| SCI     | * 6093           | OLARIU, S.                           | NSF COL RSH EMG RETASK ALERT 2 | 313012    | 6093   | 0.00%    | 2,970.45     | 0.00           | 2,970.45    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | RANJAN, D.                           | JSA COMP SCI GRA SUPPORT MOD17 | 712336    | 6093   | 0.00%    | 2,997.97     | 0.00           | 2,997.97    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | 6093             | RANJAN, D.                           | LTS INTERNSHIP 2012 MOD 2      | 731311    | 6093   | 53.00%   | 11,868.58    | 6,290.33       | 18,158.91   | 53.00%        | 0.22%                 | 567.70             | 709.62                              |                                     |
| SCI     | * 6093           | WEIGLE, M.                           | NSF COL RSH EMERG RETASK ALERT | 313011    | 6093   | 50.00%   | 24,312.73    | 12,156.37      | 36,469.10   | 50.00%        | 0.43%                 | 1,097.10           | 1,371.37                            |                                     |
| SCI     | * 6093           | WEIGLE, M.                           | NSF COL RSH EMG RETASK ALERT 2 | 313012    | 6093   | 0.00%    | 2,970.45     | 0.00           | 2,970.45    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | 6093             | WEIGLE, M.                           | NEH ARCHIVE WHAT I SEE         | 330981    | 6093   | 53.00%   | 15,325.48    | 8,122.49       | 23,447.97   | 53.00%        | 0.29%                 | 733.05             | 916.31                              |                                     |
| SCI     | * 6093           | WEIGLE, M.                           | WORLDTECH INTL COMPETITION PJT | 730771    | 6093   | 0.00%    | 775.81       | 0.00           | 775.81      | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | * 6093           | XU, L.                               | NSF SBE SMALL COLLABORATIVE    | 332831    | 6093   | 53.00%   | 171.87       | 91.09          | 262.96      | 53.00%        | 0.00%                 | 8.22               | 10.28                               |                                     |
| SCI     | 6093             | ZUBAIR, M.                           | VDEQ SUPPLEMENTAL DATA ANALYS  | 526526    | 6093   | 10.00%   | 5,964.14     | 596.22         | 6,560.36    | 10.00%        | 0.02%                 | 53.81              | 67.26                               |                                     |
| SCI     | * 6093           | ZUBAIR, M.                           | JSA COMP SCI GRA SUPPORT MOD17 | 712336    | 6093   | 0.00%    | 2,997.97     | 0.00           | 2,997.97    | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
| SCI     | 6093             | ZUBAIR, M.                           | PARTNERSHIP AWARD MOD#6        | 780051    | 6093   | 0.00%    | 18,357.79    | 0.00           | 18,357.79   | 0.00%         | 0.00%                 | -                  | -                                   |                                     |
|         |                  | * Department Total:                  |                                |           |        |          | 457,767.25   | 151,434.20     | 609,201.45  |               | 5.34%                 | 13,666.78          | 17,083.46                           |                                     |

|                  |                 |                 |                 |        |               |               |
|------------------|-----------------|-----------------|-----------------|--------|---------------|---------------|
| ** College Total | \$ 6,432,346.50 | \$ 1,696,017.51 | \$ 8,128,364.01 | 59.76% | \$ 153,063.82 | \$ 191,329.79 |
|------------------|-----------------|-----------------|-----------------|--------|---------------|---------------|

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                                   | Department | Principal Investigator | Agency Title or Reference     | Project # | Dept # | IDC RATE | DIRECT COSTS | INDIRECT COSTS | TOTAL COSTS | Effective     |                       |                    | Department Allocation |
|---|------------|------------------------|-------------------------------|-----------|--------|----------|--------------|----------------|-------------|---------------|-----------------------|--------------------|-----------------------|
|   |            |                        |                               |           |        |          |              |                |             | Indirect Rate | Allocation Percentage | Faculty Allocation |                       |
|   |            |                        |                               |           |        |          |              |                |             |               | 256,142.00            | 320,178.00         |                       |
| Other University Units                    |            |                        |                               |           |        |          |              |                |             |               |                       |                    |                       |
| ODU Business Gateway and Student Services |            |                        |                               |           |        |          |              |                |             |               |                       |                    |                       |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BUSINESS GATEWAY MEP/TAC      | 700201    | 4061   | 26.00%   | 27,905.05    | 7,255.30       | 35,160.35   | 26.00%        | 0.26%                 | 654.78             | 818.48                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BUSINESS GATEWAY NON-MFG      | 700202    | 4061   | 26.00%   | 462.32       | 15,338.07      | 15,800.39   | 3317.63%      | 0.54%                 | 1,384.25           | 1,730.31              |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BUSINESS GATEWAY EDA MATCH    | 700209    | 4061   | 0.00%    | 2,606.38     | 0.00           | 2,606.38    | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BAUER-2013-21                 | 700210    | 4061   | 26.00%   | (13.56)      | (3.53)         | (17.09)     | 26.03%        | 0.00%                 | (0.32)             | (0.40)                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | AMADAS-2013-25                | 700212    | 4061   | 26.00%   | 3,185.41     | 828.20         | 4,013.61    | 26.00%        | 0.03%                 | 74.74              | 93.43                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | VANWIN COATINGS-2013-30       | 700213    | 4061   | 26.00%   | 5,577.66     | 1,453.70       | 7,031.36    | 26.06%        | 0.05%                 | 131.19             | 163.99                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | SENTARA-2013-32               | 700217    | 4061   | 26.00%   | 1,366.70     | 355.35         | 1,722.05    | 26.00%        | 0.01%                 | 32.07              | 40.09                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | FLOAT FIRST-2013-14-MOD1      | 700218    | 4061   | 26.00%   | 8,680.47     | 2,256.92       | 10,937.39   | 26.00%        | 0.08%                 | 203.68             | 254.61                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | DAVIS INTERIORS-2013-40       | 700219    | 4061   | 26.00%   | 3,152.25     | 819.58         | 3,971.83    | 26.00%        | 0.03%                 | 73.97              | 92.46                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | SENTARA 2013-43               | 700221    | 4061   | 26.00%   | 1,800.54     | 468.14         | 2,268.68    | 26.00%        | 0.02%                 | 42.25              | 52.81                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | AETNA WIRE-2013-28            | 700222    | 4061   | 26.00%   | 2,705.26     | 703.37         | 3,408.63    | 26.00%        | 0.02%                 | 63.48              | 79.35                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | AETNA WIRE 2013-27            | 700223    | 4061   | 26.00%   | 1,026.68     | 266.94         | 1,293.62    | 26.00%        | 0.01%                 | 24.09              | 30.11                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BAUER 2014-4                  | 700224    | 4061   | 26.00%   | 13,653.79    | 0.00           | 13,653.79   | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BAUER-2013-45                 | 700225    | 4061   | 26.00%   | 1,049.38     | 272.83         | 1,322.21    | 26.00%        | 0.01%                 | 24.62              | 30.78                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | HAMPTON MACHINE SHOP 2014-06  | 700226    | 4061   | 26.00%   | 2,122.83     | 551.94         | 2,674.77    | 26.00%        | 0.02%                 | 49.81              | 62.27                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | EOS SURFACES 2014-11          | 700227    | 4061   | 26.00%   | 2,988.07     | 776.90         | 3,764.97    | 26.00%        | 0.03%                 | 70.11              | 87.64                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | SENTARA 2014-15               | 700228    | 4061   | 26.00%   | 9,525.17     | 2,476.55       | 12,001.72   | 26.00%        | 0.09%                 | 223.51             | 279.38                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | BAUER 2014-27                 | 700229    | 4061   | 26.00%   | 10,646.38    | 2,768.05       | 13,414.43   | 26.00%        | 0.10%                 | 249.81             | 312.27                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | ODU-NNSB 2014-01 SUBCONTRACT  | 700230    | 4061   | 26.00%   | 4,802.28     | 1,248.59       | 6,050.87    | 26.00%        | 0.04%                 | 112.68             | 140.85                |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | ESKA GRAPHIC BOARD 2013-33    | 700231    | 4061   | 26.00%   | 692.17       | 179.96         | 872.13      | 26.00%        | 0.01%                 | 16.24              | 20.30                 |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | EDA MATCH FOR 700219 2013-40  | 709219    | 4061   | 0.00%    | 21.75        | 0.00           | 21.75       | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | GENEDGE - GATEWAY FY13        | 730621    | 4061   | 0.00%    | (3,365.79)   | 0.00           | (3,365.79)  | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | BRINKER, J.            | GENEDGE GATEWAY 2014          | 730622    | 4061   | 0.00%    | 97,449.92    | 0.00           | 97,449.92   | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | SBA VETERANS BUS OUTREACH YR3 | 304617    | 4061   | 26.00%   | 62,886.14    | 16,350.39      | 79,236.53   | 26.00%        | 0.58%                 | 1,475.61           | 1,844.51              |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | *SBA WOMENS BUSINESS CTR MOD3 | 326841    | 4061   | 20.00%   | 19,667.06    | 3,933.41       | 23,600.47   | 20.00%        | 0.14%                 | 354.99             | 443.73                |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | SBA WOMENS BUSINESS CENTER    | 326842    | 4061   | 20.00%   | 24,803.29    | 4,960.66       | 29,763.95   | 20.00%        | 0.17%                 | 447.69             | 559.62                |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | DOT SMALL BUS TRANS RESOU CTR | 334441    | 4061   | 26.00%   | 40,562.49    | 10,546.26      | 51,108.75   | 26.00%        | 0.37%                 | 951.79             | 1,189.74              |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | BEP AUG 27 2013               | 334442    | 4061   | 26.00%   | 6,844.34     | 1,779.53       | 8,623.87    | 26.00%        | 0.06%                 | 160.60             | 200.75                |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | CRATER PDC HR PROCUREMENT CTR | 524831    | 4061   | 26.00%   | 12,702.73    | 3,302.71       | 16,005.44   | 26.00%        | 0.12%                 | 298.07             | 372.58                |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | CRATER HRPAC 2014             | 524832    | 4061   | 26.00%   | 24,994.21    | 6,498.49       | 31,492.70   | 26.00%        | 0.23%                 | 586.48             | 733.10                |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | ODU/OPP INC WORKFORCE INVEST  | 530711    | 4061   | 0.00%    | 82,120.80    | 0.00           | 82,120.80   | 0.00%         | 0.00%                 | -                  | -                     |
| UNIV-OTHER                                | 9520       | DORSEY, C.             | GMU HURRICANE SANDY RELEIF    | 540191    | 4061   | 20.00%   | 3,195.10     | 639.02         | 3,834.12    | 20.00%        | 0.02%                 | 57.67              | 72.09                 |
| UNIV-OTHER                                | 9520       | ROBERTSON, J.          | SBA VETERANS BUS OUTREACH #4  | 304615    | 4061   | 26.00%   | 28,317.26    | 7,362.49       | 35,679.75   | 26.00%        | 0.26%                 | 664.46             | 830.57                |
| UNIV-OTHER                                | 9520       | ROBERTSON, J.          | SBA BOOTS TO BUSINESS         | 331881    | 4061   | 0.00%    | 15,700.30    | 0.00           | 15,700.30   | 0.00%         | 0.00%                 | -                  | -                     |
| * Department Total:                       |            |                        |                               |           |        |          | 519,834.83   | 93,389.82      | 613,224.65  |               | 3.29%                 | 8,428.32           | 10,535.42             |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST REPORT - IDC AD HOC REPORT  
SIX MONTHS ENDED DECEMBER 31, 2013**

| College                         | Department | Principal Investigator<br>(See note) | Agency Title or Reference      | Project # | Dept # | IDC<br>RATE | DIRECT<br>COSTS                | INDIRECT<br>COSTS             | TOTAL<br>COSTS                 | Effective<br>Indirect<br>Rate | Allocation<br>Percentage | Faculty<br>Allocation<br>256,142.00 | Department<br>Allocation<br>320,178.00 |
|---------------------------------|------------|--------------------------------------|--------------------------------|-----------|--------|-------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------|-------------------------------------|--|
| Virginia Tidewater Consortium   |            |                                      |                                |           |        |             |                                |                               |                                |                               |                          |                                     |  |
| UNIV-OTHER                      | 9602       | DOTOLO, L.                           | USED EDUC OPPORTUNITY CTR YR3  | 315681    | 0708   | 95.00%      | 230,943.35                     | 17,845.49                     | 248,788.84                     | 7.73%                         | 0.63%                    | 1,610.54                            | 2,013.17                               |
| UNIV-OTHER                      | 9602       | DOTOLO, L.                           | VDEM CIKR PROTECTION HIGH ED   | 525061    | 0708   | 26.00%      | 46,656.11                      | 5,313.22                      | 51,969.33                      | 11.39%                        | 0.19%                    | 479.51                              | 599.39                                 |
| UNIV-OTHER                      | 9602       | DOTOLO, L.                           | SCHEV COLLEGE ACCESS 2013      | 533481    | 0708   | 8.00%       | 56,300.55                      | 4,504.05                      | 60,804.60                      | 8.00%                         | 0.16%                    | 406.49                              | 508.11                                 |
| UNIV-OTHER                      | 9602       | DOTOLO, L.                           | JAWS WRITING SKILLS YR1        | 730511    | 0708   | 26.00%      | 1,726.45                       | 448.90                        | 2,175.35                       | 26.00%                        | 0.02%                    | 40.51                               | 50.64                                  |
| * Department Total:             |            |                                      |                                |           |        |             | <u>335,626.46</u>              | <u>28,111.66</u>              | <u>363,738.12</u>              |                               | <u>0.99%</u>             | <u>2,537.05</u>                     | <u>3,171.31</u>                        |
| Other ODU Units                 |            |                                      |                                |           |        |             |                                |                               |                                |                               |                          |                                     |  |
| UNIV-OTHE                       | * 9910     | FORBES, B.                           | VSGC EEAP 2013                 | 104773    | 9910   | 0.00%       | 7,121.75                       | -                             | 7,121.75                       | 0.00%                         | 0.00%                    | -                                   | -                                      |
| UNIV-OTHER                      | 9801       | HINES, J.                            | ODU/STUDENT SUPPORT SVS YR3 #2 | 302512    | 9520   | 8.00%       | 72,903.49                      | 5,266.79                      | 78,170.28                      | 7.22%                         | 0.19%                    | 475.32                              | 594.15                                 |
| UNIV-OTHER                      | 9801       | HINES, J.                            | ODU/STUDENT SUPPORT SVS YR4    | 302513    | 9520   | 8.00%       | 72,061.88                      | 4,995.35                      | 77,057.23                      | 6.93%                         | 0.18%                    | 450.83                              | 563.53                                 |
| UNIV-OTHER                      | 9910       | HUCKLESS, M.                         | DMV SELECTIVE ENFORCEMENT      | 532381    | 9910   | 0.00%       | 3,590.00                       | -                             | 3,590.00                       | 0.00%                         | 0.00%                    | -                                   | -                                      |
| UNIV-OTHER                      | 9910       | LEWIS, B.                            | VPI VA ALLIANCE GRAD ED-03     | 512931    | 9910   | 50.00%      | 240.88                         | 120.44                        | 361.32                         | 50.00%                        | 0.00%                    | 10.87                               | 13.59                                  |
| UNIV-OTHER                      | 9910       | TOLLIVER, O.                         | *ODU/USDOED UPWARD BOUND YR 02 | 323571    | 9910   | 8.00%       | 149,848.31                     | 11,087.63                     | 160,935.94                     | 7.40%                         | 0.39%                    | 1,000.73                            | 1,250.75                               |
| UNIV-OTHER                      | 9910       | WUNDERLICH, T.                       | VSGC EEAP 2013                 | 104773    | 9910   | 0.00%       | 791.31                         | -                             | 791.31                         | 0.00%                         | 0.00%                    | -                                   | -                                      |
| 9910 Total                      |            |                                      |                                |           |        |             | <u>306,557.62</u>              | <u>21,470.21</u>              | <u>328,027.83</u>              |                               | <u>0.76%</u>             | <u>1,937.75</u>                     | <u>2,422.02</u>                        |
| ** Total Other University Units |            |                                      |                                |           |        |             | \$ 1,162,018.91                | \$ 142,971.69                 | \$ 1,304,990.60                |                               | 5.04%                    | \$ 12,903.12                        | \$ 16,128.75                           |
| <b>Grand Total</b>              |            |                                      |                                |           |        |             | <b><u>\$ 14,838,125.96</u></b> | <b><u>\$ 2,887,641.21</u></b> | <b><u>\$ 17,725,767.17</u></b> |                               | <b><u>101.74%</u></b>    | <b><u>\$ 260,608.17</u></b>         | <b><u>\$ 325,758.29</u></b>            |

|                               |                            |                            |                          |                          |
|-------------------------------|----------------------------|----------------------------|--------------------------|--------------------------|
| Total indirect cost per above | <b>2,887,641.21</b>        | Initial Allocation         | <b>256,142.00</b>        | <b>320,178.00</b>        |
| Post allocation adjustment    | <b>(49,469.37)</b>         | Post allocation adjustment | <b>4,464.66</b>          | <b>5,580.29</b>          |
| Allocation Base               | <b><u>2,838,171.84</u></b> | Total Allocation           | <b><u>260,606.66</u></b> | <b><u>325,758.29</u></b> |

\* Note: Represents split reporting of project activity between PI and Co-PI's.

**Old Dominion University Research Foundation**  
**Indirect Cost Allocation Report**  
**For the Six-month Period Ended December 31, 2013**

**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 December 31, 2013 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 December 31, 2013                  |
| Schedule 3 | Non-Traditional and Affiliated Allocation Method - Detail Activity by center, department and affiliated unit showing the direct and indirect cost recoveries by project for the six-month period ended December 31, 2013 |



**NON-TRADITIONAL ALLOCATION METHOD  
SCHEDULE 1  
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**

**SCHEDULE OF DIRECT AND INDIRECT COST RECOVERIES, AND RECOVERY RATES  
SIX MONTH PERIODS ENDING 12/31/2013, 06/30/2013, AND PRIOR FISCAL YEAR**

| PERIOD  | 7/1/2013<br>12/31/2013 |                     | 1/1/2013<br>6/30/2013 |                     | 7/1/2012<br>12/31/2012 |                     | TOTAL<br>FY 13       |                     |
|---|------------------------|---------------------|-----------------------|---------------------|------------------------|---------------------|----------------------|---------------------|
| DIRECT COST RECOVERIES                        | \$ 22,082,248          | 94%                 | \$ 26,207,538         | 94%                 | \$ 21,824,458          | 93%                 | \$ 48,031,996        | 94%                 |
| INDIRECT COST RECOVERIES                      | 1,379,431              | 6%                  | 1,526,545             | 6%                  | 1,679,247              | 7%                  | 3,205,792            | 6%                  |
| <b>TOTAL RECOVERIES</b>                       | <b>\$ 23,461,679</b>   | <b>100%</b>         | <b>\$ 27,734,083</b>  | <b>100%</b>         | <b>\$ 23,503,706</b>   | <b>100%</b>         | <b>\$ 51,237,789</b> | <b>100%</b>         |
| <b>NON-TRADITIONAL ALLOCATION METHOD</b>      |                        | %of<br>Total<br>IDC |                       | %of<br>Total<br>IDC |                        | %of<br>Total<br>IDC |                      | %of<br>Total<br>IDC |
| <b>INDIRECT COST RECOVERIES:</b>              |                        |                     |                       |                     |                        |                     |                      |                     |
| ENTERPRISE CENTERS                            | \$ 1,025,185           | 74%                 | \$ 1,176,059          | 77%                 | \$ 1,310,580           | 78%                 | \$ 2,486,639         | 78%                 |
| SELF-SUPPORTING RESEARCH POSITIONS            | 21,071                 | 2%                  | 22,674                | 1%                  | 46,883                 | 3%                  | 69,557               | 2%                  |
| OTHER AFFILIATED ACTIVITIES                   | 333,175                | 24%                 | 327,812               | 21%                 | 321,784                | 19%                 | 649,596              | 20%                 |
| <b>TOTAL INDIRECT COST RECOVERIES</b>         | <b>\$ 1,379,431</b>    | <b>100%</b>         | <b>\$ 1,526,545</b>   | <b>100%</b>         | <b>\$ 1,679,247</b>    | <b>100%</b>         | <b>\$ 3,205,792</b>  | <b>100%</b>         |
| <b>EFFECTIVE OVERALL IDC RATE</b>             | <b>6.25%</b>           |                     | <b>5.82%</b>          |                     | <b>7.69%</b>           |                     | <b>6.67%</b>         |                     |
| <b>EFFECTIVE FOUNDATION OVERHEAD RATE</b>     | <b>1.91%</b>           |                     | <b>1.97%</b>          |                     | <b>3.13%</b>           |                     | <b>2.50%</b>         |                     |
| <b>EFFECTIVE UNIVERSITY OVERHEAD RATE</b>     | <b>3.03%</b>           |                     | <b>3.07%</b>          |                     | <b>3.84%</b>           |                     | <b>3.42%</b>         |                     |
| <b>EFFECTIVE OTHER ACTIVITY OVERHEAD RATE</b> | <b>1.04%</b>           |                     | <b>0.78%</b>          |                     | <b>0.73%</b>           |                     | <b>0.76%</b>         |                     |
| <b>DISTRIBUTION OF IDC RECOVERIES:</b>        |                        |                     |                       |                     |                        |                     |                      |                     |
| To: RESEARCH FOUNDATION FOR OPERATIONS        | \$ 420,738             | 31%                 | \$ 515,310            | 34%                 | \$ 683,120             | 41%                 | \$ 1,198,430         | 37%                 |
| To: RESEARCH FOUNDATION FOR RESERVES          | \$ 61,480              | 4%                  | \$ -                  | 0%                  | \$ -                   | 0%                  | \$ -                 | 0%                  |
| To: ODU ( See Detail Below)                   | 668,030                | 48%                 | 805,510               | 53%                 | 837,156                | 50%                 | 1,642,666            | 51%                 |
| To: OTHER ACTIVITY ( See Detail Below)        | 229,183                | 17%                 | 205,725               | 13%                 | 158,971                | 9%                  | 364,696              | 11%                 |
| <b>TOTAL DISTRIBUTION</b>                     | <b>\$ 1,379,431</b>    | <b>100%</b>         | <b>\$ 1,526,545</b>   | <b>100%</b>         | <b>\$ 1,679,247</b>    | <b>100%</b>         | <b>\$ 3,205,792</b>  | <b>100%</b>         |
| <b>ODU DISTRIBUTION</b>                       |                        |                     |                       |                     |                        |                     |                      |                     |
| ALLOCATED TO :                                |                        |                     |                       |                     |                        |                     |                      |                     |
| ENTERPRISE CENTERS                            | \$ 572,197             | 41%                 | \$ 720,342            | 47%                 | \$ 730,638             | 43%                 | \$ 1,450,980         | 45%                 |
| SELF-SUPPORTING RESEARCH POSITIONS            | 9,932                  | 1%                  | 13,887                | 1%                  | 26,136                 | 2%                  | 40,023               | 1%                  |
| MANDATED RETURN TO STATE                      | 40,243                 | 3%                  | 45,631                | 3%                  | 49,567                 | 3%                  | 95,198               | 3%                  |
| INTELLECTUAL PROPERTY FUND                    | 45,658                 | 3%                  | 25,650                | 2%                  | 30,815                 | 2%                  | 56,465               | 2%                  |
| <b>ODU DISTRIBUTION</b>                       | <b>\$ 668,030</b>      | <b>48%</b>          | <b>\$ 805,510</b>     | <b>53%</b>          | <b>\$ 837,156</b>      | <b>50%</b>          | <b>\$ 1,642,666</b>  | <b>51%</b>          |
| <b>OTHER AFFILIATED DISTRIBUTION</b>          |                        |                     |                       |                     |                        |                     |                      |                     |
| ALLOCATED TO :                                |                        |                     |                       |                     |                        |                     |                      |                     |
| INTER-AGENCY PERSONNEL AGREEMENTS (VMASC)     | 16,475                 | 1%                  | 23,665                | 2%                  | 20,931                 | 1%                  | 44,596               | 1%                  |
| SPACE FLIGHT AUTHORITY                        | 70,424                 | 5%                  | 74,294                | 5%                  | 77,511                 | 5%                  | 151,805              | 5%                  |
| SPACE GRANT CONSORTIUM                        | 142,284                | 9%                  | 107,766               | 7%                  | 60,529                 | 4%                  | 168,295              | 5%                  |
| SPACE INSTITUTE                               | -                      | 0%                  | -                     | 0%                  | -                      | 0%                  | -                    | 0%                  |
| <b>OTHER AFFILIATED DISTRIBUTION</b>          | <b>\$ 229,183</b>      | <b>17%</b>          | <b>\$ 205,725</b>     | <b>13%</b>          | <b>\$ 158,971</b>      | <b>9%</b>           | <b>\$ 364,696</b>    | <b>11%</b>          |

**SCHEDULE 2**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
**NON-TRADITIONAL ALLOCATION METHOD - ALLOCATION TO CENTERS AND AFFILIATED UNITS**  
**SIX MONTH PERIOD ENDING DECEMBER 31, 2013**

|   | <b>DIRECT COSTS</b> | <b>INDIRECT COSTS</b> | <b>FOUNDATION FEE</b> | <b>IDC</b>        | <b>ODU DEDUCTION</b> | <b>INDIRECT COSTS ALLOCATED</b> |
|---|---------------------|-----------------------|-----------------------|-------------------|----------------------|---------------------------------|
| <b><u>NON-TRADITIONAL ALLOCATION</u></b>                          |                     |                       |                       |                   |                      |                                 |
| <b><u>Enterprise Centers and Self Supporting</u></b>              |                     |                       |                       |                   |                      |                                 |
| <b><u>Research Projects</u></b>                                   |                     |                       |                       |                   |                      |                                 |
| Social Science Research Center                                    | 70,527              | 9,797                 | -                     | 4,412             | 768                  | 4,617                           |
| Applied Research Center   | 435,148             | 123,775               | -                     | 55,741            | 9,704                | 58,330                          |
| Frank Reidy Research Center for Bioelectrics                      | 765,787             | 275,042               | -                     | 123,863           | 21,562               | 129,616                         |
| National Centers for System of Systems Engineering                | 109,412             | 48,665                | -                     | 21,916            | 3,815                | 22,934                          |
| Virginia Modeling, Analysis and Simulation Center (VMASC)         | 1,742,573           | 513,025               | -                     | 141,969           | 40,219               | 330,837                         |
| Center for Computational Sciences                                 | -                   | -                     | -                     | -                 | -                    | -                               |
| Ocean, Earth and Atmospheric Sciences                             | 40,636              | 21,070                | -                     | 9,489             | 1,652                | 9,932                           |
| Center for Coastal Physical Oceanography                          | -                   | -                     | -                     | -                 | -                    | -                               |
| Virginia Coastal Energy Research Consortium                       | 136,576             | 54,881                | -                     | 24,715            | 4,303                | 25,863                          |
| <b>Total University Related Activity</b>                          | <b>3,300,660</b>    | <b>1,046,256</b>      | <b>-</b>              | <b>382,106</b>    | <b>82,023</b>        | <b>582,129</b>                  |
| <b><u>AFFILIATED ALLOCATION</u></b>                               |                     |                       |                       |                   |                      |                                 |
| <b><u>Teleconference Projects:</u></b>                            |                     |                       |                       |                   |                      |                                 |
| Association of Consortium Leadership                              | -                   | -                     | -                     | -                 | -                    | -                               |
| VTC - Video Conferencing  | -                   | -                     | -                     | -                 | -                    | -                               |
| <b>Subtotal: Teleconference Projects</b>                          | <b>-</b>            | <b>-</b>              | <b>-</b>              | <b>-</b>          | <b>-</b>             | <b>-</b>                        |
| Virginia Modeling, Analysis and Simulation Center (VMASC) - IPA's | 253,467             | 25,346                | -                     | 8,871             | -                    | 16,475                          |
| Virginia Commercial Space Flight Authority (VCSFA)                | 16,581,762          | 88,930                | 18,506                | -                 | -                    | 88,930                          |
| Virginia Space Flight Academy, Inc.                               | 21,042              | -                     | -                     | -                 | -                    | -                               |
| Virginia Space Grant Consortium (VSGC)                            | 1,925,317           | 218,899               | -                     | 76,614            | -                    | 142,284                         |
| <b>Total Affiliated Activity</b>                                  | <b>18,781,588</b>   | <b>333,175</b>        | <b>18,506</b>         | <b>85,485</b>     | <b>-</b>             | <b>247,689</b>                  |
| <b>Grand Total</b>  | <b>\$22,082,248</b> | <b>\$1,379,431</b>    | <b>\$ 18,506</b>      | <b>\$ 467,591</b> | <b>\$ 82,023</b>     | <b>\$ 829,818</b>               |

**SCHEDULE 3**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
**For the Six-Month Period Ending December 31, 2013**

**SSRP & ENTERPRISE CENTER ACTIVITY**

| ACTIVITY / ENTITY                     | PI                  | TITLE                           | PROJ     | HOME DEPT | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                   |                       |           |              |                | FOUNDATION FEE | IDC       | ODU DEDUCTION | INDIRECT COSTS ALLOCATED |
|---------------------------------------|---------------------|---------------------------------|----------|-----------|----------|---|-------------------|-----------------------|-----------|--------------|----------------|----------------|-----------|---------------|--------------------------|
|                                       |                     |                                 |          |           |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC | MODIFIED DIRECT COSTS | EQUIP     | OTHER EXPEND | INDIRECT COSTS |                |           |               |                          |
| <b>SOCIAL SCIENCE RESEARCH CENTER</b> |                     |                                 |          |           |          |   |                   |                       |           |              |                |                |           |               |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | NAVSPUP FFSP COMMUNITY CAPACITY | * 230891 | 1060      | 53.00%   | 3,965.62                                    | 143.14            | 3,822.48              | -         | 143.14       | 2,025.91       | 912.36         | 158.82    | 954.73        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | ARRA NIH ALCOHOL SBIRT YR#2     | * 396311 | 1060      | 50.00%   | 2,918.22                                    | -                 | 2,918.22              | -         | -            | 1,459.09       | 657.09         | 114.39    | 687.61        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | ODU/DBHDS #720C-04292-11M00     | 512832   | 1060      | 5.00%    | 7,412.87                                    | -                 | 7,412.87              | -         | -            | 370.64         | 166.92         | 29.06     | 174.66        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | NEW HAMPSHIRE 0595929200107851  | 530321   | 1060      | 10.00%   | 13,390.94                                   | -                 | 13,390.94             | -         | -            | 1,339.09       | 603.05         | 104.98    | 631.06        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | ODU/DBHDS 720C-04351-13M00      | 532491   | 1060      | 5.00%    | 7,030.20                                    | -                 | 7,030.20              | -         | -            | 351.51         | 158.30         | 27.56     | 165.65        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | DBHDS STAKEHOLDER FEEDBACK      | 534641   | 1060      | 5.00%    | 375.05                                      | -                 | 375.05                | -         | -            | 18.75          | 8.44           | 1.47      | 8.84          |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | JUDICIAL MENTAL HEALTH COURT    | 536611   | 1060      | 26.00%   | 3,346.44                                    | -                 | 3,346.44              | -         | -            | 870.07         | 391.83         | 68.21     | 410.03        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | ODU/DBHDS ADULT SURVEY MHSIP    | 536781   | 1060      | 5.00%    | 23,718.43                                   | -                 | 23,718.43             | -         | -            | 1,185.92       | 534.07         | 92.97     | 558.88        |                          |
| SSRC                                  | VANDECAR-BURDIN, T. | NNPS/PPSEV TEEN PREG PREVENT    | * 732551 | 1060      | 26.00%   | 8,369.85                                    | -                 | 8,369.85              | -         | -            | 2,176.17       | 980.02         | 170.60    | 1,025.55      |                          |
|                                       |                     |                                 |          |           |          | 70,527.62                                   | 143.14            | 70,384.48             | -         | 143.14       | 9,797.15       | -              | 4,412.08  | 768.06        | 4,617.01                 |
| <b>APPLIED RESEARCH CENTER</b>        |                     |                                 |          |           |          |   |                   |                       |           |              |                |                |           |               |                          |
| ARC                                   | BAUMGART, H.        | NSF MRI: SPARK ASSISTED LASER   | * 323291 | 4054      | 53.00%   | 1,656.24                                    | 392.03            | 1,264.21              | 392.03    | 0.00         | 670.03         | 301.75         | 52.53     | 315.75        |                          |
| ARC                                   | BAUMGART, H.        | NIST FABRICATION & CHARACTERIZ  | 336201   | 4054      | 26.00%   | 15,266.00                                   | 0.00              | 15,266.00             | 0.00      | 0.00         | 3,969.17       | 1,787.49       | 311.17    | 1,870.51      |                          |
| ARC                                   | BAUMGART, H.        | CIT ADVANCED NANO ARCHITECTURE  | * 533491 | 4054      | 30.00%   | 10,093.48                                   | 0.00              | 10,093.48             | 0.00      | 0.00         | 3,028.05       | 1,363.66       | 237.39    | 1,427.00      |                          |
| ARC                                   | BAUMGART, H.        | UVA 2013 VMEC                   | 534421   | 4054      | 0.00%    | 11,224.22                                   | 0.00              | 11,224.22             | 0.00      | 0.00         | 0.00           | 0.00           | 0.00      | 0.00          |                          |
| ARC                                   | BAUMGART, H.        | UVA-VMEC FY14                   | 536281   | 4054      | 0.00%    | 989.58                                      | 0.00              | 989.58                | 0.00      | 0.00         | 0.00           | 0.00           | 0.00      | 0.00          |                          |
| ARC                                   | BAUMGART, H.        | MICROXACT NXT GENERATION DEVIC  | 724821   | 4054      | 26.00%   | 42,352.48                                   | 18,691.59         | 23,660.89             | 18,691.59 | 0.00         | 6,151.84       | 2,770.44       | 482.28    | 2,899.12      |                          |
| ARC                                   | ELMUSTAFA, A.       | JSA GRA MOD# 283 ELMUSTAFA, A   | 712332   | 4057      | 0.00%    | 23,888.09                                   | 0.00              | 23,888.09             | 0.00      | 0.00         | 0.00           | 0.00           | 0.00      | 0.00          |                          |
| ARC                                   | ELSAIED-ALI, H.     | NASA HR TRANS ELE MIC NAN       | 125241   | 4054      | 53.00%   | (0.20)                                      | 0.00              | (0.20)                | 0.00      | 0.00         | (0.15)         | (0.07)         | (0.01)    | (0.07)        |                          |
| ARC                                   | ELSAIED-ALI, H.     | NASA DEVELOPMENT OF DIAL SUP#2  | 130241   | 4054      | 26.00%   | 71,796.71                                   | 0.00              | 71,796.71             | 0.00      | 0.00         | 18,667.13      | 8,406.63       | 1,463.43  | 8,797.07      |                          |
| ARC                                   | ELSAIED-ALI, H.     | NASA ATMOSPHERIC SENSING MOD14  | 192131   | 4054      | 26.00%   | 4,199.54                                    | 0.00              | 4,199.54              | 0.00      | 0.00         | 1,091.88       | 491.72         | 85.60     | 514.56        |                          |
| ARC                                   | ELSAIED-ALI, H.     | NSF MRI: SPARK ASSISTED LASER   | * 323291 | 4054      | 53.00%   | 13,249.90                                   | 3,136.20          | 10,113.70             | 3,136.20  | 0.00         | 5,360.26       | 2,413.96       | 420.22    | 2,526.08      |                          |
| ARC                                   | ELSAIED-ALI, H.     | NSU MICROSCOPY CNBMD AMD#2      | 515911   | 4054      | 50.00%   | 1,520.75                                    | 0.00              | 1,520.75              | 0.00      | 0.00         | 760.38         | 342.43         | 59.61     | 358.34        |                          |
| ARC                                   | ELSAIED-ALI, H.     | ODUOR ELECTRON CRYO-TOMOGRAPHY  | * 523941 | 4054      | 0.00%    | (1.79)                                      | (1.79)            | 0.00                  | 0.00      | (1.79)       | 0.00           | 0.00           | 0.00      | 0.00          |                          |
| ARC                                   | ELSAIED-ALI, H.     | ECSU SPUTTER-COATED THIN FILMS  | 532101   | 4054      | 53.00%   | 1,520.37                                    | 0.00              | 1,520.37              | 0.00      | 0.00         | 805.79         | 362.88         | 63.17     | 379.74        |                          |
| ARC                                   | ELSAIED-ALI, H.     | CIT ADVANCED NANO ARCHITECTURE  | * 533491 | 4065      | 30.00%   | 9,796.62                                    | 0.00              | 9,796.62              | 0.00      | 0.00         | 2,938.99       | 1,323.55       | 230.41    | 1,385.03      |                          |
| ARC                                   | ELSAIED-ALI, H.     | JSA ECE GRA SUPPORT MOD#4       | 712335   | 4054      | 0.00%    | 8,364.12                                    | 0.00              | 8,364.12              | 0.00      | 0.00         | 0.00           | 0.00           | 0.00      | 0.00          |                          |
| ARC                                   | LAWRENCE, R.        | NIA ODU-04-01 SUB2820 SUPP59    | 704661   | 4059      | 50.00%   | 7,034.64                                    | 0.00              | 7,034.64              | 0.00      | 0.00         | 3,517.32       | 1,584.00       | 275.74    | 1,657.58      |                          |
| ARC                                   | LAWRENCE, R.        | NIA ODU-04-01 2946-OD SUPP65    | * 735361 | 4059      | 26.00%   | 1,454.35                                    | 0.00              | 1,454.35              | 0.00      | 0.00         | 378.13         | 170.29         | 29.64     | 178.20        |                          |
| ARC                                   | LAWRENCE, R.        | NIA ADV AIRCRAFT PROG MOD#5     | 784686   | 4059      | 26.00%   | 30,075.27                                   | 0.00              | 30,075.27             | 0.00      | 0.00         | 7,819.57       | 3,521.50       | 613.03    | 3,685.04      |                          |
| ARC                                   | MARSILLAC, S.       | DOE OPTICAL CONFINEMENT MOD#7   | 316341   | 4054      | 53.00%   | 85,188.10                                   | 46,559.24         | 38,628.86             | 3,003.46  | 43,555.78    | 20,473.30      | 9,220.03       | 1,605.03  | 9,648.24      |                          |
| ARC                                   | MARSILLAC, S.       | NSF TUES COLLABORATIVE RESEARC  | * 325871 | 4065      | 53.00%   | 443.38                                      | 0.00              | 443.38                | 0.00      | 0.00         | 234.99         | 105.83         | 18.42     | 110.74        |                          |
| ARC                                   | MARSILLAC, S.       | UIUC F-PACE AMD#2               | 524351   | 4054      | 53.00%   | 82,142.68                                   | 0.00              | 82,142.68             | 0.00      | 0.00         | 43,535.62      | 19,606.00      | 3,413.03  | 20,516.59     |                          |
| ARC                                   | NAMKOONG, G.        | NSF MRI: SPARK ASSISTED LASER   | * 323291 | 4054      | 53.00%   | 1,656.24                                    | 392.03            | 1,264.21              | 392.03    | 0.00         | 670.03         | 301.75         | 52.53     | 315.75        |                          |
| ARC                                   | NAMKOONG, G.        | NSF TUES COLLABORATIVE RESEARC  | * 325871 | 4065      | 53.00%   | 1,440.97                                    | 0.00              | 1,440.97              | 0.00      | 0.00         | 763.71         | 343.93         | 59.87     | 359.91        |                          |
| ARC                                   | NAMKOONG, G.        | CIT ADVANCED NANO ARCHITECTURE  | * 533491 | 4054      | 30.00%   | 9,796.62                                    | 0.00              | 9,796.62              | 0.00      | 0.00         | 2,938.99       | 1,323.55       | 230.41    | 1,385.03      |                          |
|                                       |                     |                                 |          |           |          | 435,148.34                                  | 69,169.29         | 365,979.05            | 25,615.30 | 43,553.99    | 123,775.02     | -              | 55,741.32 | 9,703.50      | 58,330.20                |

**SCHEDULE 3**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
**For the Six-Month Period Ending December 31, 2013**

**SSRP & ENTERPRISE CENTER ACTIVITY**

| ACTIVITY / ENTITY   | PI             | TITLE                          | PROJ     | HOME DEPT | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                   |                       |                   |                 |                   | FOUNDATION FEE | IDC               | ODU DEDUCTION    | INDIRECT COSTS ALLOCATED |
|---|----------------|--------------------------------|----------|-----------|----------|---|-------------------|-----------------------|-------------------|-----------------|-------------------|----------------|-------------------|------------------|--------------------------|
|   |                |                                |          |           |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC | MODIFIED DIRECT COSTS | EQUIP             | OTHER EXPEND    | INDIRECT COSTS    |                |                   |                  |                          |
| <b>FRANK REIDY RESEARCH CENTER FOR BIOELECTRICS</b>       |                |                                |          |           |          |   |                   |                       |                   |                 |                   |                |                   |                  |                          |
| CBE   | BEEBE, S.      | USAMRAA CONTINUATION OF CC&M   | * 213941 | 4073      | 56.85%   | 9,960.20                                    | 0.00              | 9,960.20              | 0.00              | 0.00            | 5,662.38          | 2,550.02       | 443.91            | 2,668.45         |                          |
| CBE   | BEEBE, S.      | CIT PULSE POWER TECHNOLOGY     | * 522541 | 4073      | 0.00%    | 7,776.34                                    | 0.00              | 7,776.34              | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | CHEN, Y.       | USAMRAA CONTINUATION OF CC&M   | * 213941 | 4073      | 56.85%   | 9,960.20                                    | 0.00              | 9,960.20              | 0.00              | 0.00            | 5,662.38          | 2,550.02       | 443.91            | 2,668.45         |                          |
| CBE   | CHEN, Y.       | CIT PULSE POWER TECHNOLOGY     | * 522541 | 4073      | 0.00%    | 5,443.44                                    | 0.00              | 5,443.44              | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | HARGRAVE, B.   | USAMRAA CONTINUATION OF CC&M   | * 213941 | 6081      | 56.85%   | 8,788.41                                    | 0.00              | 8,788.41              | 0.00              | 0.00            | 4,996.22          | 2,250.02       | 391.68            | 2,354.52         |                          |
| CBE   | HELLER, L.     | USAMRAA CONTINUATION OF CC&M   | * 213941 | 5056      | 56.85%   | 9,960.20                                    | 0.00              | 9,960.20              | 0.00              | 0.00            | 5,662.38          | 2,550.02       | 443.91            | 2,668.45         |                          |
| CBE   | HELLER, R.     | USAMRAA CONTINUATION OF CC&M   | * 213941 | 5056      | 56.85%   | 9,960.20                                    | 0.00              | 9,960.20              | 0.00              | 0.00            | 5,662.38          | 2,550.02       | 443.91            | 2,668.45         |                          |
| CBE   | HELLER, R.     | NIH IL-15 PLASMID DELIVERY     | 391061   | 5056      | 50.00%   | 54,711.04                                   | 0.00              | 54,711.04             | 0.00              | 0.00            | 27,355.53         | 12,319.40      | 2,144.57          | 12,891.56        |                          |
| CBE   | HELLER, R.     | NIH NHLBI ELECTRO GENE THERAPY | 391091   | 5056      | 50.00%   | 168,745.02                                  | 9,500.00          | 159,245.02            | 9,500.00          | 0.00            | 79,622.51         | 35,857.51      | 6,242.11          | 37,522.89        |                          |
| CBE   | HELLER, R.     | CIT PULSE POWER TECHNOLOGY     | * 522541 | 5056      | 0.00%    | 2,332.90                                    | 0.00              | 2,332.90              | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | HELLER, R.     | CIT EMINENT RESEARCH M KONG    | 531051   | 5056      | 0.00%    | 173,298.75                                  | 173,298.75        | 0.00                  | 173,298.75        | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | HELLER, R.     | CIT EFFICIENT DIESEL EXHAUST   | * 533501 | 5056      | 30.00%   | 5,544.51                                    | 0.00              | 5,544.51              | 0.00              | 0.00            | 1,663.36          | 749.08         | 130.40            | 783.88           |                          |
| CBE   | HELLER, R.     | GE WOUND HEALING PLATELET GEL  | 716351   | 5056      | 0.00%    | 88.40                                       | 0.00              | 88.40                 | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | HELLER, R.     | ONCOSEC IMMUNOTHERAPY MELANOMA | 734461   | 5056      | 53.00%   | 23,743.70                                   | 0.00              | 23,743.70             | 0.00              | 0.00            | 12,584.16         | 5,667.20       | 986.55            | 5,930.41         |                          |
| CBE   | HELLER, R.     | ONCOSEC INTERFERENCE ELECTRO   | 734462   | 4073      | 53.00%   | 10,018.96                                   | 0.00              | 10,018.96             | 0.00              | 0.00            | 5,310.05          | 2,391.35       | 416.29            | 2,502.41         |                          |
| CBE   | HELLER, R.     | ONCOSEC INTERLEUKIN-12 EXPRESS | 734463   | 4073      | 53.00%   | 7,844.12                                    | 0.00              | 7,844.12              | 0.00              | 0.00            | 4,157.38          | 1,872.25       | 325.92            | 1,959.21         |                          |
| CBE   | HELLER, R.     | ONCOSEC TREAT METASTATIC MELA  | 734464   | 5056      | 53.00%   | 13,187.46                                   | 0.00              | 13,187.46             | 0.00              | 0.00            | 6,989.36          | 3,147.62       | 547.94            | 3,293.80         |                          |
| CBE   | KOLB, J.       | USAMRAA CONTINUATION OF CC&M   | * 213941 | 4054      | 56.85%   | 9,960.20                                    | 0.00              | 9,960.20              | 0.00              | 0.00            | 5,662.38          | 2,550.02       | 443.91            | 2,668.45         |                          |
| CBE   | MALIK, M.      | CIT EFFICIENT DIESEL EXHAUST   | * 533501 | 4073      | 30.00%   | 11,089.03                                   | 0.00              | 11,089.03             | 0.00              | 0.00            | 3,326.71          | 1,498.16       | 260.80            | 1,567.75         |                          |
| CBE   | PAKHOMOV, A.   | NIH MECHANISMS & IMPLICATIONS  | * 302401 | 4073      | 50.00%   | 26,083.46                                   | 0.00              | 26,083.46             | 0.00              | 0.00            | 13,041.74         | 5,873.27       | 1,022.42          | 6,146.05         |                          |
| CBE   | PAKHOMOV, A.   | ODUOR ELECTRON CRYO-TOMOGRAPHY | * 523941 | 4073      | 0.00%    | (0.89)                                      | (0.89)            | 0.00                  | 0.00              | (0.89)          | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | PAKHOMOV, A.   | GDIT DEBR TO 7                 | * 786307 | 4073      | 50.00%   | 33,136.23                                   | 0.00              | 33,136.23             | 0.00              | 0.00            | 16,568.12         | 7,461.35       | 1,298.88          | 7,807.89         |                          |
| CBE   | PAKHOMOVA, O.  | NIH MECHANISMS & IMPLICATIONS  | * 302401 | 4073      | 50.00%   | 5,589.31                                    | 0.00              | 5,589.31              | 0.00              | 0.00            | 2,794.66          | 1,258.56       | 219.09            | 1,317.01         |                          |
| CBE   | PAKHOMOVA, O.  | ODUOR ELECTRON CRYO-TOMOGRAPHY | * 523941 | 4073      | 0.00%    | (0.89)                                      | (0.89)            | 0.00                  | 0.00              | (0.89)          | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | PAKHOMOVA, O.  | GDIT DEBR TO 7                 | * 786307 | 4073      | 50.00%   | 33,136.23                                   | 0.00              | 33,136.23             | 0.00              | 0.00            | 16,568.12         | 7,461.35       | 1,298.88          | 7,807.89         |                          |
| CBE   | SCHOENBACH, K. | CIT EFFICIENT DIESEL EXHAUST   | * 533501 | 4073      | 30.00%   | 5,544.51                                    | 0.00              | 5,544.51              | 0.00              | 0.00            | 1,663.36          | 749.08         | 130.40            | 783.88           |                          |
| CBE   | SCHOENBACH, K. | GDIT DEBR TO 6 MOD#1           | * 786306 | 4073      | 50.00%   | 11,840.89                                   | 395.40            | 11,445.49             | 395.40            | 0.00            | 5,722.75          | 2,577.21       | 448.64            | 2,696.90         |                          |
| CBE   | STACEY, M.     | NIH DIELECTRIC PROPERTIES      | 330801   | 4073      | 53.00%   | 53,110.74                                   | 2,531.00          | 50,579.74             | 0.00              | 2,531.00        | 26,807.26         | 12,072.49      | 2,101.59          | 12,633.18        |                          |
| CBE   | XIAO, S.       | NIH MECHANISMS & IMPLICATIONS  | * 302401 | 4054      | 50.00%   | 5,589.31                                    | 0.00              | 5,589.31              | 0.00              | 0.00            | 2,794.66          | 1,258.56       | 219.09            | 1,317.01         |                          |
| CBE   | XIAO, S.       | GDIT DEBR TO 6 MOD#1           | * 786306 | 4054      | 50.00%   | 27,628.73                                   | 922.60            | 26,706.13             | 922.60            | 0.00            | 13,353.08         | 6,013.48       | 1,046.83          | 6,292.77         |                          |
| CBE   | ZEMLIN, C.     | EVMS NMDA RECEPTOR INTERVENTIO | 533691   | 4054      | 0.00%    | 19,054.43                                   | 0.00              | 19,054.43             | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| CBE   | ZEMLIN, C.     | LIFENET HBM IN RESTORING CARDI | 736891   | 4073      | 53.00%   | 2,662.10                                    | 0.00              | 2,662.10              | 0.00              | 0.00            | 1,410.92          | 635.40         | 110.61            | 664.91           |                          |
|   |                |                                |          |           |          | <b>765,787.25</b>                           | <b>186,645.97</b> | <b>579,141.28</b>     | <b>184,116.75</b> | <b>2,529.22</b> | <b>275,041.81</b> | <b>-</b>       | <b>123,863.44</b> | <b>21,562.24</b> | <b>129,616.13</b>        |
| <b>NATIONAL CENTERS FOR SYSTEM OF SYSTEMS ENGINEERING</b> |                |                                |          |           |          |   |                   |                       |                   |                 |                   |                |                   |                  |                          |
| NCSOSE  | ADAMS, K.      | URS DIGITAL RECEIVER TECH      | * 726451 | 4063      | 53.00%   | 7,140.21                                    | 0.00              | 7,140.21              | 0.00              | 0.00            | 3,784.31          | 1,704.24       | 296.68            | 1,783.39         |                          |
| NCSOSE  | BRADLEY, J.    | URS SUB MAINT/MOD & MGMT MOD#2 | 727461   | 4063      | 26.00%   | 16,344.94                                   | 0.00              | 16,344.94             | 0.00              | 0.00            | 4,249.68          | 1,913.82       | 333.16            | 2,002.70         |                          |
| NCSOSE  | BRADLEY, J.    | SISI ELECT TECH WORK TO#1 MOD2 | 732581   | 4063      | 26.00%   | 10,067.16                                   | 0.00              | 10,067.16             | 0.00              | 0.00            | 2,617.46          | 1,178.76       | 205.20            | 1,233.50         |                          |
| NCSOSE  | HESTER, P.     | DHS LONG RANGE BROAD AGENCY    | * 301491 | 4060      | 50.00%   | 61,365.87                                   | 0.00              | 61,365.87             | 0.00              | 0.00            | 30,682.94         | 13,817.88      | 2,405.43          | 14,459.63        |                          |
| NCSOSE  | KEATING, C.    | NCSOSE MEMBERSHIPS             | 100710   | 4063      | 0.00%    | 471.60                                      | 0.00              | 471.60                | 0.00              | 0.00            | 0.00              | 0.00           | 0.00              | 0.00             |                          |
| NCSOSE  | KEATING, C.    | SPAWARSSYSCEN ALT MIN ORD MOD1 | * 204531 | 4060      | 60.00%   | 3,193.21                                    | 0.00              | 3,193.21              | 0.00              | 0.00            | 1,915.92          | 862.82         | 150.20            | 902.90           |                          |
| NCSOSE  | KEATING, C.    | DHS LONG RANGE BROAD AGENCY    | * 301491 | 4060      | 50.00%   | 10,829.27                                   | 0.00              | 10,829.27             | 0.00              | 0.00            | 5,414.64          | 2,438.45       | 424.49            | 2,551.70         |                          |
|   |                |                                |          |           |          | <b>109,412.26</b>                           | <b>-</b>          | <b>109,412.26</b>     | <b>-</b>          | <b>-</b>        | <b>48,664.95</b>  | <b>-</b>       | <b>21,915.97</b>  | <b>3,815.16</b>  | <b>22,933.82</b>         |

SCHEDULE 3  
 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
 For the Six-Month Period Ending December 31, 2013

SSRP & ENTERPRISE CENTER ACTIVITY

| ACTIVITY / ENTITY                                  | PI          | TITLE                          | PROJ     | HOME DEPT | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                      |                        |                      |                     |                      | FOUNDATION  |                      | INDIRECT COSTS ALLOCATED |                      |
|--|-------------|--------------------------------|----------|-----------|----------|---|----------------------|------------------------|----------------------|---------------------|----------------------|-------------|----------------------|--------------------------|----------------------|
|  |             |                                |          |           |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC    | MODIFIED DIRECT COSTS  | EQUIP                | OTHER EXPEND        | INDIRECT COSTS       | FEE         | IDC                  |                          |                      |
| <b>OCEAN EARTH AND ATMOSPHERIC SCIENCES</b>        |             |                                |          |           |          |   |                      |                        |                      |                     |                      |             |                      |                          |                      |
| SSRP-OEAS  | HILL, V.    | NSF COLL RES:IRRADIANCE MSMT   | 321481   | 6085      | 53.00%   | 25,112.03                                   | -                    | 25,112.03              | -                    | -                   | 13,309.37            | 5,993.79    | 1,043.41             | 6,272.17                 |                      |
| SSRP-OEAS  | HILL, V.    | UW PLANKTONIC ECOSYSTEM MOD 02 | 596111   | 6085      | 50.00%   | 15,524.24                                   | -                    | 15,524.24              | -                    | -                   | 7,762.12             | 3,495.62    | 608.52               | 3,657.98                 |                      |
|  |             |                                |          |           |          | <u>40,636.27</u>                            | <u>-</u>             | <u>40,636.27</u>       | <u>-</u>             | <u>-</u>            | <u>21,071.49</u>     | <u>-</u>    | <u>9,489.41</u>      | <u>1,651.93</u>          | <u>9,930.15</u>      |
| <b>VIRGINIA COASTAL ENERGY RESEARCH CONSORTIUM</b> |             |                                |          |           |          |   |                      |                        |                      |                     |                      |             |                      |                          |                      |
| VCERC  | WOZNIAK, A. | NSF ORG MATTER DELIV IRON AMD2 | * 323961 | 6082      | 53.00%   | 39,644.94                                   | -                    | 39,644.94              | -                    | -                   | 21,011.81            | 9,462.54    | 1,647.25             | 9,902.02                 |                      |
| VCERC  | HATCHER, P. | NSF ORG MATTER DELIV IRON AMD2 | * 323961 | 6082      | 53.00%   | 20,423.15                                   | -                    | 20,423.15              | -                    | -                   | 10,824.27            | 4,874.64    | 848.58               | 5,101.05                 |                      |
| VCERC  | HATCHER, P. | TAMU PLUTONIUM SPEC AMD#2      | 510131   | 6082      | 50.00%   | 13,137.99                                   | -                    | 13,137.99              | -                    | -                   | 6,569.00             | 2,958.31    | 514.99               | 3,095.70                 |                      |
| VCERC  | HATCHER, P. | ATI GREEN CHEMICALS AMD#1      | 731591   | 6082      | 26.00%   | 63,370.24                                   | -                    | 63,370.24              | -                    | -                   | 16,476.26            | 7,419.98    | 1,291.68             | 7,764.60                 |                      |
|  |             |                                |          |           |          | <u>136,576.32</u>                           | <u>-</u>             | <u>136,576.32</u>      | <u>-</u>             | <u>-</u>            | <u>54,881.34</u>     | <u>-</u>    | <u>24,715.47</u>     | <u>4,302.50</u>          | <u>25,863.37</u>     |
| <b>TOTAL SSRP AND CENTER ACTIVITY</b>              |             |                                |          |           |          | <b>\$ 1,558,088.05</b>                      | <b>\$ 255,958.40</b> | <b>\$ 1,302,129.65</b> | <b>\$ 209,732.05</b> | <b>\$ 46,226.35</b> | <b>\$ 533,231.77</b> | <b>\$ -</b> | <b>\$ 240,137.69</b> | <b>\$ 41,803.39</b>      | <b>\$ 251,290.69</b> |

**SCHEDULE 3**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
For the Six-Month Period Ending December 31, 2013

**VIRGINIA MODELING AND SIMULATION CENTER**

| ACTIVITY / ENTITY             | PI          | TITLE                           | PROJ DEPT     | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                   |                       |        |              |                | FOUNDATION |           | ODU       | INDIRECT COSTS |
|-------------------------------|-------------|---------------------------------|---------------|----------|---|-------------------|-----------------------|--------|--------------|----------------|------------|-----------|-----------|----------------|
|                               |             |                                 |               |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC | MODIFIED DIRECT COSTS | EQUIP  | OTHER EXPEND | INDIRECT COSTS | FEE        | IDC       | DEDUCTION | ALLOCATED      |
| <b>COLLEGE OF ENGINEERING</b> |             |                                 |               |          |   |                   |                       |        |              |                |            |           |           |                |
| VMASC                         | CETIN, M.   | VDOT EQ METHOD FOR TRAVEL DEM   | * 514421 4071 | 10.00%   | 9.26  | 9.26              | -                     | -      | 9.26         | 0.96           |            | 0.43      | 0.08      | 0.45           |
| VMASC                         | CETIN, M.   | VB MACRO & MICRO AMEND#1        | * 533071 4071 | 53.00%   | 85,267.48                                   | 23,983.75         | 61,283.73             | -      | 23,983.75    | 32,480.38      | 14,627.34  | 2,546.34  | 15,306.70 |                |
|                               |             |                                 |               |          | 85,276.74                                   | 23,993.01         | 61,283.73             | -      | 23,993.01    | 32,481.34      | -          | 14,627.77 | 2,546.42  | 15,307.15      |
| VMASC                         | BARRACO, A. | CAI TRADOC ARCIC FWD WARFARE    | * 736821 4071 | 53.00%   | 49,126.87                                   | 823.26            | 48,303.62             | -      | 823.26       | 26,332.95      | 11,858.88  | 2,064.41  | 12,409.66 |                |
| VMASC                         | BEHR, J.    | NIH POLICY RESISTANCE SYSTEM    | * 311871 4071 | 53.00%   | 24,581.73                                   | -                 | 24,581.73             | -      | -            | 13,028.31      | 5,867.22   | 1,021.37  | 6,139.72  |                |
| VMASC                         | BEHR, J.    | VDEM CATASTROPHIC PLANNING      | * 530101 4071 | 26.00%   | 7,804.10                                    | 4,843.70          | 2,960.40              | -      | 4,843.70     | 769.70         | 346.63     | 60.34     | 362.73    |                |
| VMASC                         | BEHR, J.    | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 1,312.40                                    | -                 | 1,312.40              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | BEHR, J.    | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 1,341.42                                    | -                 | 1,341.42              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | BERRY, C.   | ODUOR VIRTUAL OP ROOM           | * 531742 4071 | 0.00%    | 1,124.82                                    | 598.69            | 526.13                | 301.56 | 297.12       | -              | -          | -         | -         |                |
| VMASC                         | BERRY, C.   | ODUOR ULTRASOUND SIMULATION     | * 531743 4071 | 0.00%    | 19.38                                       | -                 | -                     | -      | 19.38        | -              | -          | -         | -         |                |
| VMASC                         | BERRY, C.   | *EVMS BLOOD MANAGEMENT APP      | * 537561 4071 | 10.00%   | 1,779.28                                    | -                 | 1,779.28              | -      | -            | 177.93         | 80.13      | 13.95     | 83.85     |                |
| VMASC                         | BERRY, C.   | VMASC:TOOL DEV U/S TRAINING     | * 540721 4071 | 0.00%    | 40,321.88                                   | -                 | 40,321.88             | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | BERRY, C.   | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 4,101.24                                    | -                 | 4,101.24              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | BERRY, C.   | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 4,191.95                                    | -                 | 4,191.95              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | COLLINS, A. | VDEM EVAC MODELING PHSII MOD#1  | * 530722 4071 | 26.00%   | 475.09                                      | -                 | 475.09                | -      | -            | 123.52         | 55.63      | 9.68      | 58.21     |                |
| VMASC                         | COLLINS, A. | VDEM EVAC MODELING PHSIII       | * 530723 4071 | 35.00%   | 47,889.86                                   | -                 | 47,889.86             | -      | -            | 16,761.45      | 7,548.42   | 1,314.04  | 7,898.99  |                |
| VMASC                         | CROLL, M.   | USAMRAA:NURSING TRAINING        | * 225071 4071 | 60.00%   | 17,889.55                                   | 10,837.36         | 7,052.19              | -      | 10,837.36    | 4,231.32       | 1,905.55   | 331.72    | 1,994.05  |                |
| VMASC                         | CROLL, M.   | NAVSUP:J7/JCW SUPPORT MOD#1     | * 282020 4071 | 42.00%   | 6,288.42                                    | 104.58            | 6,183.85              | 104.58 | -            | 2,597.22       | 1,169.64   | 203.61    | 1,223.97  |                |
| VMASC                         | CROLL, M.   | AHRQ LAPROSCOPIC SKILL YEAR 2   | * 304941 4071 | 53.00%   | 22,558.79                                   | 15,241.90         | 7,316.89              | 109.20 | 15,132.70    | 3,877.95       | 1,746.41   | 304.02    | 1,827.52  |                |
| VMASC                         | CROLL, M.   | *EVMS BLOOD MANAGEMENT APP      | * 537561 4071 | 10.00%   | 6,159.06                                    | -                 | 6,159.06              | -      | -            | 615.91         | 277.37     | 48.29     | 290.25    |                |
| VMASC                         | CROLL, M.   | BOSH GLOBAL STEM EXPERIENCE     | * 736861 4071 | 53.00%   | 526.88                                      | 167.51            | 359.37                | -      | 167.51       | 279.39         | 125.82     | 21.90     | 131.67    |                |
| VMASC                         | CROLL, M.   | VA STEAM M&S FOR POTENTIAL      | * 740651 4071 | 53.00%   | 3,268.98                                    | -                 | 3,268.98              | -      | -            | 1,732.56       | 780.25     | 135.83    | 816.48    |                |
| VMASC                         | DIALLO, S.  | NAVSUP:J7/JCW SUPPORT MOD#1     | * 282020 4071 | 42.00%   | 16,769.13                                   | 278.87            | 16,490.26             | 278.87 | -            | 6,925.91       | 3,119.04   | 542.97    | 3,263.90  |                |
| VMASC                         | DIALLO, S.  | CAI TRADOC ARCIC FWD WARFARE    | * 736821 4071 | 53.00%   | 49,126.87                                   | 823.26            | 48,303.62             | -      | 823.26       | 26,332.95      | 11,858.88  | 2,064.41  | 12,409.66 |                |
| VMASC                         | DIAZ, R.    | NIH POLICY RESISTANCE SYSTEM    | * 311871 4071 | 53.00%   | 24,010.06                                   | -                 | 24,010.06             | -      | -            | 12,725.32      | 5,730.77   | 997.62    | 5,996.93  |                |
| VMASC                         | DIAZ, R.    | VDEM CATASTROPHIC PLANNING      | * 530101 4071 | 26.00%   | 7,804.10                                    | 4,843.70          | 2,960.40              | -      | 4,843.70     | 769.70         | 346.63     | 60.34     | 362.73    |                |
| VMASC                         | DIAZ, R.    | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 1,476.45                                    | -                 | 1,476.45              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | DIAZ, R.    | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 1,509.10                                    | -                 | 1,509.10              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | EZELL, B.   | SPAWARSYSYSCEN ALT MIN ORD MOD1 | * 204531 4071 | 60.00%   | 3,099.29                                    | -                 | 3,099.29              | -      | -            | 1,859.57       | 837.45     | 145.78    | 876.34    |                |
| VMASC                         | EZELL, B.   | VDEM CATASTROPHIC PLANNING      | * 530101 4071 | 26.00%   | 3,344.61                                    | 2,075.87          | 1,268.74              | -      | 2,075.87     | 329.87         | 148.56     | 25.86     | 155.45    |                |
| VMASC                         | EZELL, B.   | HRPDC:GMS#289 SHSGP FY2013      | 540501 4071   | 53.00%   | 3,201.96                                    | (0.98)            | 3,202.94              | -      | (0.98)       | 1,697.04       | 764.25     | 133.04    | 799.75    |                |
| VMASC                         | EZELL, B.   | VDEM 2013 GRANT PROJECT SCORE   | 541041 4071   | 53.00%   | 17,913.53                                   | -                 | 17,913.53             | -      | -            | 9,494.17       | 4,275.64   | 744.31    | 4,474.22  |                |
| VMASC                         | EZELL, B.   | VDEM HURRICANE EVACUATION       | * 525531 4071 | 53.00%   | (0.89)                                      | (0.89)            | -                     | -      | (0.89)       | (0.61)         | (0.27)     | (0.05)    | (0.29)    |                |
| VMASC                         | EZELL, B.   | VDEM EVAC MODELING PHSII MOD#1  | * 530722 4071 | 26.00%   | 593.87                                      | -                 | 593.87                | -      | -            | 154.41         | 69.54      | 12.10     | 72.77     |                |
| VMASC                         | FOYTIK, B.  | VDEM EVAC MODELING PHSIII       | * 530723 4071 | 35.00%   | 23,944.93                                   | -                 | 23,944.93             | -      | -            | 8,380.73       | 3,774.21   | 657.02    | 3,949.50  |                |
| VMASC                         | GARCIA, H.  | *EVMS BLOOD MANAGEMENT APP      | * 537561 4071 | 10.00%   | 5,748.45                                    | -                 | 5,748.45              | -      | -            | 574.85         | -          | 45.07     | 529.78    |                |
| VMASC                         | GILES, B.   | VDEM CATASTROPHIC PLANNING      | * 530101 4071 | 26.00%   | 3,344.61                                    | 2,075.87          | 1,268.74              | -      | 2,075.87     | 329.87         | -          | 25.86     | 304.01    |                |
| VMASC                         | GILES, B.   | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 1,312.40                                    | -                 | 1,312.40              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | GILES, B.   | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 1,341.42                                    | -                 | 1,341.42              | -      | -            | -              | -          | -         | -         |                |
| VMASC                         | JORDAN, C.  | VDEM EVAC MODELING PHSIII       | * 530723 4071 | 35.00%   | 23,944.93                                   | -                 | 23,944.93             | -      | -            | 8,380.73       | -          | 657.02    | 7,723.71  |                |
| VMASC                         | PADILLA, M. | NAVSUP:J7/JCW SUPPORT MOD#1     | * 282020 4071 | 42.00%   | 12,576.85                                   | 209.15            | 12,367.70             | 209.15 | -            | 5,194.43       | -          | 407.22    | 4,787.21  |                |
| VMASC                         | PADILLA, M. | VDEM EVAC MODELING PHSII MOD#1  | * 530722 4071 | 26.00%   | 356.32                                      | -                 | 356.32                | -      | -            | 92.64          | -          | 7.26      | 85.38     |                |

SCHEDULE 3  
 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
 For the Six-Month Period Ending December 31, 2013

VIRGINIA MODELING AND SIMULATION CENTER

| ACTIVITY / ENTITY | PI             | TITLE                           | PROJ DEPT     | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                      |                        |                    |                      |                      | FOUNDATION  |                      | ODU                 | INDIRECT COSTS       |
|-------------------|----------------|---------------------------------|---------------|----------|---|----------------------|------------------------|--------------------|----------------------|----------------------|-------------|----------------------|---------------------|----------------------|
|                   |                |                                 |               |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC    | MODIFIED DIRECT COSTS  | EQUIP              | OTHER EXPEND         | INDIRECT COSTS       | FEE         | IDC                  | DEDUCTION           | ALLOCATED            |
| VMASC             | PAPELIS, Y.    | USAMRAA:NURSING TRAINING        | * 225071 4071 | 60.00%   | 71,558.20                                   | 43,349.43            | 28,208.77              | -                  | 43,349.43            | 16,925.26            | -           | -                    | 1,326.88            | 15,598.38            |
| VMASC             | PAPELIS, Y.    | ODUOR VIRTUAL OP ROOM           | * 531742 4071 | 0.00%    | 1,124.82                                    | 598.69               | 526.13                 | 301.56             | 297.12               | -                    | -           | -                    | -                   | -                    |
| VMASC             | PAPELIS, Y.    | ODUOR ULTRASOUND SIMULATION     | * 531743 4071 | 0.00%    | 19.38                                       | 19.38                | -                      | -                  | 19.38                | -                    | -           | -                    | -                   | -                    |
| VMASC             | PAPELIS, Y.    | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 2,132.64                                    | -                    | 2,132.64               | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | PAPELIS, Y.    | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 2,179.82                                    | -                    | 2,179.82               | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | PAPELIS, Y.    | WR SYSTEMS OD-0578-2839 MOD#3   | * 716522 4071 | 53.00%   | 29,176.90                                   | -                    | 29,176.90              | -                  | -                    | 15,463.76            | -           | 1,212.30             | -                   | 14,251.46            |
| VMASC             | PAPELIS, Y.    | *OPP INC STEM YOUTH PROG MOD#3  | * 726291 4071 | 10.00%   | 7,430.35                                    | 3,033.29             | 4,397.06               | -                  | 3,033.29             | 439.71               | -           | 34.47                | -                   | 405.24               |
| VMASC             | PAPELIS, Y.    | *OPP INC STEM YOUTH PROG        | * 726292 4071 | 10.00%   | 6,175.16                                    | -                    | 6,175.16               | -                  | -                    | 617.51               | -           | 48.41                | -                   | 569.10               |
| VMASC             | PAPELIS, Y.    | BOSH GLOBAL STEM EXPERIENCE     | * 736861 4071 | 53.00%   | 526.88                                      | 167.51               | 359.37                 | -                  | 167.51               | 279.39               | -           | 21.90                | -                   | 257.49               |
| VMASC             | PARODI, A.     | USAMRAA:NURSING TRAINING        | * 225071 4071 | 60.00%   | 214,674.60                                  | 130,048.28           | 84,626.32              | -                  | 130,048.28           | 50,775.79            | -           | 3,980.63             | -                   | 46,795.16            |
| VMASC             | REESE, T.      | *OPP INC STEM YOUTH PROG MOD#3  | * 726291 4071 | 10.00%   | 5,944.28                                    | 2,426.63             | 3,517.65               | -                  | 2,426.63             | 351.76               | -           | 27.58                | -                   | 324.18               |
| VMASC             | RINGLEB, S.    | A2T2 VRAM PHASE II MTBI MOD#4   | * 702971 4071 | 50.00%   | -   | -                    | -                      | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | ROBINSON, M.   | VDT EQ METHOD FOR TRAVEL DEM    | * 514421 4071 | 10.00%   | 9.26  | 9.26                 | -                      | -                  | 9.26                 | 0.96                 | -           | 0.08                 | -                   | 0.88                 |
| VMASC             | ROBINSON, M.   | VCTIR UNMET DATA NEEDS AMEND 2  | * 516861 4071 | 95.00%   | 324.59                                      | (0.00)               | 324.59                 | -                  | (0.00)               | 38.95                | -           | 3.05                 | -                   | 35.90                |
| VMASC             | ROBINSON, M.   | *UI USDOT UTC TRANSLIVE AMEND#2 | * 521701 4071 | 53.00%   | 4,179.20                                    | -                    | 4,179.20               | -                  | -                    | 2,214.98             | -           | 173.65               | -                   | 2,041.33             |
| VMASC             | ROBINSON, M.   | UI USDOT UTC TRANSLIVE KHATTAK  | * 521702 4071 | 53.00%   | 6,601.70                                    | -                    | 6,601.70               | -                  | -                    | 3,498.90             | -           | 274.30               | -                   | 3,224.60             |
| VMASC             | ROBINSON, M.   | *UI USDOT TRANSLIVE ROBINSON    | * 521705 4071 | 53.00%   | 742.00                                      | -                    | 742.00                 | -                  | -                    | 393.26               | -           | 30.83                | -                   | 362.43               |
| VMASC             | ROBINSON, M.   | *UI USDOT TRANSLIVE IFTEKHARUD  | * 521706 4071 | 53.00%   | 2,260.61                                    | -                    | 2,260.61               | -                  | -                    | 1,198.12             | -           | 93.93                | -                   | 1,104.19             |
| VMASC             | ROBINSON, M.   | VB MACRO & MICRO AMEND#1        | * 533071 4071 | 53.00%   | 36,543.21                                   | 10,278.75            | 26,264.46              | -                  | 10,278.75            | 13,920.16            | -           | 1,091.29             | -                   | 12,828.87            |
| VMASC             | ROBINSON, R.   | VDEM EVAC MODELING PHSII MOD#1  | * 530722 4071 | 26.00%   | 950.18                                      | -                    | 950.18                 | -                  | -                    | 247.05               | -           | 19.37                | -                   | 227.68               |
| VMASC             | ROBINSON, R.   | VDEM EVAC MODELING PHSIII       | * 530723 4071 | 35.00%   | 119,724.65                                  | -                    | 119,724.65             | -                  | -                    | 41,903.63            | -           | 3,285.09             | -                   | 38,618.54            |
| VMASC             | SHERFEY, S.    | VDEM HURRICANE EVACUATION       | * 525531 4071 | 53.00%   | (0.89)                                      | (0.89)               | -                      | -                  | (0.89)               | (0.61)               | -           | (0.05)               | -                   | (0.56)               |
| VMASC             | SHERFEY, S.    | VDEM HEED PHASES 3-6            | 534361 4071   | 53.00%   | 26,065.44                                   | -                    | 26,065.44              | -                  | -                    | 13,814.68            | -           | 1,083.02             | -                   | 12,731.66            |
| VMASC             | SHERFEY, S.    | VDEM HEED PHASE IV              | 543481 4071   | 53.00%   | 3,455.47                                    | -                    | 3,455.47               | -                  | -                    | 1,831.40             | -           | 143.57               | -                   | 1,687.83             |
| VMASC             | SHERFEY, S.    | VDEM EVAC MODELING PHSIII       | * 530723 4071 | 35.00%   | 23,944.93                                   | -                    | 23,944.93              | -                  | -                    | 8,380.73             | -           | 657.02               | -                   | 7,723.71             |
| VMASC             | SOKOLOWSKI, J. | VMASC MEMBERSHIP ACCOUNT        | 100700 4075   | 0.00%    | 774.75                                      | -                    | 774.75                 | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:ROOM SPACE 3RD CNT MOD3  | 227471 4075   | 29.00%   | (381.92)                                    | -                    | (381.92)               | -                  | -                    | (110.76)             | -           | (49.88)              | -                   | (6.88)               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP M&S CO TECH EXPERT MOD2  | 282021 4075   | 35.00%   | 17,304.53                                   | -                    | 17,304.53              | -                  | -                    | 6,056.58             | -           | 2,727.54             | -                   | 474.81               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:J7 JOINT ENVIRONMENT     | 282022 4075   | 42.00%   | 36,620.88                                   | -                    | 36,620.88              | -                  | -                    | 15,380.78            | -           | 6,926.64             | -                   | 1,205.80             |
| VMASC             | SOKOLOWSKI, J. | NSWC TECH SUPPORT G2Q OPT4 M30  | 285513 4075   | 26.00%   | 36,656.64                                   | -                    | 36,656.64              | -                  | -                    | 9,530.73             | -           | 4,292.11             | -                   | 747.17               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP C2 CAPABILITY SOL MOD#3  | 286033 4071   | 35.00%   | 33,858.45                                   | -                    | 33,858.45              | -                  | -                    | 11,850.46            | -           | 929.03               | -                   | 10,921.43            |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:C2 SYSTEMS MOD#5         | 286034 4075   | 35.00%   | 31,054.59                                   | -                    | 31,054.59              | -                  | -                    | 10,869.11            | -           | 4,894.84             | -                   | 852.10               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:JFSC SNR FELLOWS AMD#1   | 286035 4075   | 35.00%   | 48,836.43                                   | -                    | 48,836.43              | -                  | -                    | 17,092.75            | -           | 7,697.62             | -                   | 1,340.01             |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:JPME II NSRP SUPPORT     | 286036 4075   | 35.00%   | 140,631.63                                  | 111,111.46           | 29,520.17              | -                  | 111,111.46           | 10,332.06            | -           | 4,652.98             | -                   | 810.00               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:JAWS WRITING SPEC        | * 286037 4075 | 35.00%   | 352.24                                      | -                    | 352.24                 | -                  | -                    | 123.28               | -           | 55.52                | -                   | 9.66                 |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:CCO INTELLIGENCE LESS    | 286038 4075   | 95.00%   | 16,572.38                                   | -                    | 16,572.38              | -                  | -                    | 5,800.32             | -           | 2,612.14             | -                   | 454.72               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:ARMY WARFIGHTING CTNSP   | 286039 4075   | 35.00%   | 24,150.00                                   | -                    | 24,150.00              | -                  | -                    | 8,452.50             | -           | 3,806.53             | -                   | 662.64               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:REGIONAL ANALYSIS        | 286040 4075   | 95.00%   | 15,116.38                                   | -                    | 15,116.38              | -                  | -                    | 5,290.72             | -           | 2,382.64             | -                   | 414.77               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:LESSONS LEARNED RSCH     | 286042 4075   | 95.00%   | 15,676.38                                   | -                    | 15,676.38              | -                  | -                    | 5,486.72             | -           | 2,470.91             | -                   | 430.14               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:ACADEMIC COMPUTING       | 286043 4075   | 35.00%   | 42,625.72                                   | -                    | 42,625.72              | -                  | -                    | 14,919.00            | -           | 6,718.68             | -                   | 1,169.59             |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:SR WRITER                | 286044 4075   | 95.00%   | 6,847.83                                    | -                    | 6,847.83               | -                  | -                    | 2,041.66             | -           | 919.45               | -                   | 160.06               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:ARMY SCIENCE & TECH      | 286045 4075   | 95.00%   | 12,763.46                                   | -                    | 12,763.46              | -                  | -                    | 4,467.19             | -           | 2,011.77             | -                   | 350.21               |
| VMASC             | SOKOLOWSKI, J. | NAVSUP:CIV EXPED RSCH           | 286046 4075   | 95.00%   | 42,735.88                                   | -                    | 42,735.88              | -                  | -                    | 14,957.55            | -           | 6,736.04             | -                   | 1,172.62             |
| VMASC             | SOKOLOWSKI, J. | FISC:JSJG DDC21 CCDD            | 286047 4075   | 35.00%   | 15,884.66                                   | -                    | 15,884.66              | -                  | -                    | 5,559.64             | -           | 2,503.75             | -                   | 435.86               |
| VMASC             | SOKOLOWSKI, J. | FISC:J6JS O&M MOD#1             | 286048 4075   | 35.00%   | 14,309.05                                   | -                    | 14,309.05              | -                  | -                    | 5,008.17             | -           | 2,255.40             | -                   | 392.62               |
| VMASC             | SOKOLOWSKI, J. | ODUOR ULTRASOUND SIM AMD#1      | 531741 4075   | 95.00%   | 88,404.11                                   | 85,818.66            | 2,585.45               | -                  | 85,818.66            | 1,370.29             | -           | 617.10               | -                   | 107.43               |
| VMASC             | SOKOLOWSKI, J. | ODUOR VIRTUAL OP ROOM           | * 531742 4075 | 0.00%    | 281.20                                      | 149.67               | 131.53                 | 75.39              | 74.28                | -                    | -           | -                    | -                   | -                    |
| VMASC             | SOKOLOWSKI, J. | ODUOR ULTRASOUND SIMULATION     | * 531743 4075 | 0.00%    | 4.85  | 4.85                 | -                      | -                  | 4.85                 | -                    | -           | -                    | -                   | -                    |
| VMASC             | SOKOLOWSKI, J. | VMASC:VIRTUAL OPERATING ROOM    | * 540723 4071 | 0.00%    | 4,101.24                                    | -                    | 4,101.24               | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | SOKOLOWSKI, J. | VMASC:TOOL DEV CHRONIC DISEASE  | * 540724 4071 | 0.00%    | 4,191.95                                    | -                    | 4,191.95               | -                  | -                    | -                    | -           | -                    | -                   | -                    |
| VMASC             | WATSON, G.     | A2T2 VRAM PHASE II MTBI MOD#4   | * 702971 4071 | 50.00%   | -   | -                    | -                      | -                  | -                    | -                    | -           | -                    | -                   | -                    |
|                   |                |                                 |               |          | 1,657,296.35                                | 429,956.18           | 1,227,340.17           | 1,380.32           | 428,575.86           | 480,543.94           | -           | 127,341.50           | 37,672.87           | 315,529.57           |
|                   |                |                                 |               |          | <b>\$ 1,742,573.09</b>                      | <b>\$ 453,949.19</b> | <b>\$ 1,288,623.91</b> | <b>\$ 1,380.32</b> | <b>\$ 452,568.87</b> | <b>\$ 513,025.28</b> | <b>\$ -</b> | <b>\$ 141,969.27</b> | <b>\$ 40,219.29</b> | <b>\$ 330,836.72</b> |

SCHEDULE 3  
 OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
 For the Six-Month Period Ending December 31, 2013

VIRGINIA MODELING AND SIMULATION CENTER

| ACTIVITY / ENTITY                                | PI             | TITLE                   | PROJ   | DEPT | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                    |                       |             |              |                     | FOUNDATION      |                    | ODU DEDUCTION    | INDIRECT COSTS ALLOCATED |
|--|----------------|-------------------------|--------|------|----------|---|--------------------|-----------------------|-------------|--------------|---------------------|-----------------|--------------------|------------------|--------------------------|
|  |                |                         |        |      |          | DIRECT COSTS                                | LESS: ADJ FOR MTDC | MODIFIED DIRECT COSTS | EQUIP       | OTHER EXPEND | INDIRECT COSTS      | FEE             | IDC                |                  |                          |
| <b>VIRGINIA MODELING AND SIMULATION CENTER</b>   |                |                         |        |      |          |   |                    |                       |             |              |                     |                 |                    |                  |                          |
| <b>VMASC - INTER-AGENCY PERSONNEL AGREEMENTS</b> |                |                         |        |      |          |   |                    |                       |             |              |                     |                 |                    |                  |                          |
| VMASC1   | SOKOLOWSKI, J. | OSD IPA DUFFEY          | 222321 | 4075 | 10.00%   | 72,660.09                                   | -                  | 72,660.09             | -           | -            | 7,266.01            | 2,543.10        | -                  | 4,722.91         |                          |
| VMASC1   | SOKOLOWSKI, J. | DMSCO IPA YU            | 223101 | 4075 | 10.00%   | 85,697.99                                   | -                  | 85,697.99             | -           | -            | 8,569.81            | 2,999.43        | -                  | 5,570.38         |                          |
| VMASC1   | SOKOLOWSKI, J. | JSJ6 IPA O'NEILL YR 1&2 | 232441 | 4075 | 10.00%   | 87,928.90                                   | -                  | 87,928.90             | -           | -            | 8,792.90            | 3,077.52        | -                  | 5,715.38         |                          |
| VMASC1   | SOKOLOWSKI, J. | DMSCO IPA SCOTT         | 296812 | 4075 | 10.00%   | 7,180.28                                    | -                  | 7,180.28              | -           | -            | 718.03              | 251.31          | -                  | 466.72           |                          |
|  |                |                         |        |      |          | <u>253,467.26</u>                           | <u>-</u>           | <u>253,467.26</u>     | <u>-</u>    | <u>-</u>     | <u>25,346.75</u>    | <u>8,871.36</u> | <u>-</u>           | <u>16,475.39</u> |                          |
|  |                |                         |        |      |          | <b>\$ 253,467.26</b>                        | <b>\$ -</b>        | <b>\$ 253,467.26</b>  | <b>\$ -</b> | <b>\$ -</b>  | <b>\$ 25,346.75</b> | <b>\$ -</b>     | <b>\$ 8,871.36</b> | <b>\$ -</b>      | <b>\$ 16,475.39</b>      |



**SCHEDULE 3**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
**For the Six-Month Period Ending December 31, 2013**

**VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY**

| ACTIVITY / ENTITY                                 | PI           | TITLE                          | PROJ DEPT   | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                        |                       |                     |                        |                     | FOUNDATION          |             | INDIRECT COSTS      |
|---|--------------|--------------------------------|-------------|----------|---|------------------------|-----------------------|---------------------|------------------------|---------------------|---------------------|-------------|---------------------|
|   |              |                                |             |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC      | DIRECT COSTS          | EQUIP               | OTHER EXPEND           | INDIRECT COSTS      | FEE                 | IDC         |                     |
| <b>VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY</b> |              |                                |             |          |   |                        |                       |                     |                        |                     |                     |             |                     |
| VCSFA   | NASH, D.     | NASA WFF LAUNCH SITE TO6 MD29  | 184606 0711 | 95.00%   | 27,834.10                                   | 21,541.41              | 6,292.69              | -                   | 21,541.41              | 2,872.36            | -                   | -           | 2,872.36            |
| VCSFA   | NASH, D.     | NASA WFF LAUNCH SITE TO10 M25  | 184610 0711 | 95.00%   | 7,510.49                                    | -                      | 7,510.49              | -                   | -                      | 3,755.25            | -                   | -           | 3,755.25            |
| VCSFA   | NASH, D.     | NASA WFF LAUNCH SITE TO13 M28  | 184613 0711 | 95.00%   | 517,710.99                                  | 78,504.31              | 439,206.68            | -                   | 78,504.31              | 18,419.94           | -                   | -           | 18,419.94           |
| VCSFA   | NASH, D.     | NASA WFF LAUNCH SITE TO14 M28  | 184614 0711 | 95.00%   | 335,304.44                                  | 285,250.16             | 50,054.28             | -                   | 285,250.16             | 25,008.14           | -                   | -           | 25,008.14           |
| VCSFA   | NASH, D.     | NASA WFF ORS3 SUPPORT T015 M29 | 184615 0711 | 95.00%   | 515,195.87                                  | 81,358.28              | 433,837.59            | -                   | 81,358.28              | 16,244.49           | -                   | -           | 16,244.49           |
| VCSFA   | NASH, D.     | NASA WFF ORS3 SITE SUP T016M29 | 184616 0711 | 95.00%   | 191,827.96                                  | 166,827.96             | 25,000.00             | -                   | 166,827.96             | 12,500.00           | -                   | -           | 12,500.00           |
| VCSFA   | NASH, D.     | ORBITAL-DEMO LAUNCH CO#18      | 503001 0711 | 50.00%   | 120,587.07                                  | 114,439.29             | 6,147.78              | -                   | 114,439.29             | 3,073.89            | -                   | -           | 3,073.89            |
| VCSFA   | NASH, D.     | ORBITAL RS:H TO#004 CO#01      | 503002 0711 | 0.00%    | 14,232.50                                   | 14,232.50              | -                     | -                   | 14,232.50              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL TAURUS II ONE MISSION  | 503005 0711 | 53.00%   | 20,517.28                                   | 20,407.23              | 110.05                | -                   | 20,407.23              | 58.33               | -                   | -           | 58.33               |
| VCSFA   | NASH, D.     | ANTARES FACILITIES ISA (G001)  | 503006 0711 | 0.00%    | 1,872,840.00                                | 1,872,840.00           | -                     | -                   | 1,872,840.00           | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL CRS1 MISSION           | 503007 0711 | 53.00%   | 122,754.70                                  | 109,551.44             | 13,203.26             | -                   | 109,551.44             | 6,997.73            | -                   | -           | 6,997.73            |
| VCSFA   | NASH, D.     | ORBITAL NON-MISSION SPECIFIC   | 503010 0711 | 53.00%   | 15,955.16                                   | 15,955.16              | -                     | -                   | 15,955.16              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL WFF COMMODITIES        | 503012 0711 | 0.00%    | 737,067.86                                  | 737,067.86             | -                     | -                   | 737,067.86             | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL ISA GSFC971966B004ORB1 | 503013 0711 | 0.00%    | 1,683,356.00                                | 1,683,356.00           | -                     | -                   | 1,683,356.00           | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL RELIEF VALVE ALTER     | 503014 0711 | 0.00%    | 76,920.75                                   | 76,920.75              | -                     | -                   | 76,920.75              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL CCT/SOO DESIGN CHANGE  | 503015 0711 | 0.00%    | 40,624.72                                   | 40,624.72              | -                     | -                   | 40,624.72              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL RS&H CCB-131 & CCB-132 | 503016 0711 | 0.00%    | 49,763.21                                   | 49,763.21              | -                     | -                   | 49,763.21              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL HELIUM HEAT EXCHANGER  | 503017 0711 | 0.00%    | 384,099.00                                  | 384,099.00             | -                     | -                   | 384,099.00             | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL ORB-2/CRS-2 FLIGHT 4   | 503018 0711 | 53.00%   | 8,645.90                                    | 8,645.90               | -                     | -                   | 8,645.90               | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL ISA GSFC971966B006ORB2 | 503023 0711 | 0.00%    | 500,000.00                                  | 500,000.00             | -                     | -                   | 500,000.00             | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL PO#3011300432          | 503201 0711 | 0.00%    | 476,027.69                                  | 476,027.69             | -                     | -                   | 476,027.69             | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL COTS LAUNCH AMD1 95-97 | 503301 0711 | 0.00%    | 1,500,000.00                                | 1,500,000.00           | -                     | -                   | 1,500,000.00           | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORTIBAL ORB-1 LAUNCH AMD1 98-1 | 503302 0711 | 0.00%    | 600,000.00                                  | 600,000.00             | -                     | -                   | 600,000.00             | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | VDOT TPOF#3                    | 530093 0711 | 0.00%    | 18,807.40                                   | 18,807.40              | -                     | -                   | 18,807.40              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | VDOT TPOF#4                    | 530094 0711 | 0.00%    | 64,471.28                                   | 64,471.28              | -                     | -                   | 64,471.28              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | VDOT TPOF#5                    | 530095 0711 | 0.00%    | 31,908.09                                   | 31,908.09              | -                     | -                   | 31,908.09              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | PAD 0A CONST COMPLETION COSTS  | 531101 0711 | 0.00%    | (80,429.44)                                 | (80,429.44)            | -                     | -                   | (80,429.44)            | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | FY13 VCSFA OPERATIONS          | 571686 0711 | 0.00%    | 90,075.19                                   | 19,457.43              | 70,617.76             | 9,670.95            | 9,786.48               | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | FY14 VCSFA OPERATIONS          | 571687 0711 | 0.00%    | 727,497.51                                  | 16,663.23              | 710,834.28            | -                   | 16,663.23              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | ORBITAL SCI TEL LAUNCH EQUIP#4 | 706221 0711 | 0.00%    | 82,084.92                                   | 82,084.92              | -                     | -                   | 82,084.92              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | VSCFA OVERHEAD                 | 800005 0711 | 0.00%    | 25,732.46                                   | 51.84                  | 25,680.62             | -                   | 51.84                  | -                   | 18,505.92           | -           | -                   |
| VCSFA   | NASH, D.     | PAD O-A OPERATIONS             | 800008 0711 | 0.00%    | 5,265,653.07                                | 5,236,473.70           | 29,179.37             | -                   | 5,236,473.70           | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | PAD O-B OPERATIONS             | 800009 0711 | 0.00%    | 13,349.77                                   | 12,889.59              | 460.18                | -                   | 12,889.59              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | MARS OPERATIONS                | 800019 0711 | 0.00%    | 477,210.29                                  | 106,688.01             | 370,522.28            | 51,654.02           | 55,033.99              | -                   | -                   | -           | -                   |
| VCSFA   | NASH, D.     | OPS SUPPORT FACILITY-DECOY SQ  | 800090 0711 | 0.00%    | 46,625.23                                   | 4,830.34               | 41,794.89             | -                   | 4,830.34               | -                   | -                   | -           | -                   |
|   |              |                                |             |          | <b>\$16,581,761.46</b>                      | <b>\$14,351,309.26</b> | <b>\$2,230,452.20</b> | <b>\$ 61,324.97</b> | <b>\$14,289,984.29</b> | <b>\$ 88,930.13</b> | <b>\$ 18,505.92</b> | <b>\$ -</b> | <b>\$ 88,930.13</b> |
| <b>VIRGINIA SPACE FLIGHT ACADEMY, INC.</b>        |              |                                |             |          |   |                        |                       |                     |                        |                     |                     |             |                     |
| VSAI  | WOODHAMS, W. | VA SPACE FLIGHT ACADEMY INC    | 711202 0715 | 0.00%    | 21,041.65                                   | -                      | 21,041.65             | -                   | -                      | -                   | -                   | -           | -                   |
|   |              |                                |             |          | <b>\$ 21,041.65</b>                         | <b>\$ -</b>            | <b>\$ 21,041.65</b>   | <b>\$ -</b>         | <b>\$ -</b>            | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ -</b> | <b>\$ -</b>         |

**SCHEDULE 3**  
**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION**  
**For the Six-Month Period Ending June 30, 2013**

**VIRGINIA SPACE GRANT CONSORTIUM**

| ACTIVITY / ENTITY | PI         | TITLE                                  | PROJ   | DEPT | IDC RATE | SUMMARY FOR NON-TRADITIONAL AND SSRP REPORT |                      |                       |             |                      | FOUNDATION           |             | INDIRECT COSTS ALLOCATED |             |                      |
|-------------------|------------|--|--------|------|----------|---|----------------------|-----------------------|-------------|----------------------|----------------------|-------------|--------------------------|-------------|----------------------|
|                   |            |  |        |      |          | DIRECT COSTS                                | LESS:ADJ FOR MTDC    | DIRECT COSTS          | EQUIP       | OTHER EXPEND         | INDIRECT COSTS       | FEE         |                          | IDC         |                      |
|                   |            | <b>VIRGINIA SPACE GRANT CONSORTIUM</b> |        |      |          |   |                      |                       |             |                      |                      |             |                          |             |                      |
| VSGC              | CARTER, C. | NASA INSTEP SUP#1                      | 142351 | 0701 | 26.00%   | 215.82                                      | -                    | 215.82                | -           | -                    | 56.11                | 19.64       | -                        | 36.47       |                      |
| VSGC              | CARTER, C. | NSF EXPANDING GTEVCC AMD 1             | 331761 | 0701 | 26.00%   | 126,386.17                                  | 27,158.62            | 99,227.55             | -           | 27,158.62            | 25,799.17            | 9,029.71    | -                        | 16,769.46   |                      |
| VSGC              | CARTER, C. | NSF GTEVCC GEOSPATIAL ED MOD#2         | 392181 | 0701 | 26.00%   | 18,334.20                                   | 18,334.20            | -                     | -           | 18,334.20            | -                    | -           | -                        | -           |                      |
| VSGC              | CARTER, C. | LONGWOOD VA STEM CONNECT AMD 1         | 526341 | 0701 | 8.00%    | 17,793.17                                   | 6,108.33             | 11,684.84             | -           | 6,108.33             | 934.79               | 327.18      | -                        | 607.61      |                      |
| VSGC              | CARTER, C. | LONGWOOD VA STEM CONNECT AMD 1         | 526342 | 0701 | 8.00%    | 9,372.01                                    | 841.90               | 8,530.11              | -           | 841.90               | 682.42               | 238.85      | -                        | 443.57      |                      |
| VSGC              | CARTER, C. | HCS GEAR UP #5                         | 590891 | 0701 | 8.00%    | 85,658.39                                   | 3,563.32             | 82,095.07             | -           | 3,563.32             | 6,567.60             | 2,298.66    | -                        | 4,268.94    |                      |
| VSGC              | SANDY, M.  | NASA MAIN GRANT YEAR 2 SUPP #2         | 104762 | 0701 | 50.00%   | 1,983.66                                    | 1,983.66             | -                     | -           | 1,983.66             | 9,801.19             | 3,430.42    | -                        | 6,370.77    |                      |
| VSGC              | SANDY, M.  | NASA MAIN GRANT YEAR 3                 | 104763 | 0701 | 50.00%   | 88,378.79                                   | 46,683.23            | 41,695.56             | -           | 46,683.23            | 20,847.79            | 7,296.73    | -                        | 13,551.06   |                      |
| VSGC              | SANDY, M.  | NASA MAIN GRANT YEAR 4                 | 104764 | 0701 | 50.00%   | 71,082.45                                   | 8,326.06             | 62,756.39             | -           | 8,326.06             | 31,378.21            | 10,982.37   | -                        | 20,395.84   |                      |
| VSGC              | SANDY, M.  | NASA VASTS PROGRAM SUPP3               | 122501 | 0701 | 26.00%   | 30,975.91                                   | -                    | 30,975.91             | -           | -                    | 8,053.74             | 2,818.81    | -                        | 5,234.93    |                      |
| VSGC              | SANDY, M.  | NASA VASTS PROGRAM SUPP3 ESSP          | 122502 | 0701 | 26.00%   | 11.30                                       | -                    | 11.30                 | -           | -                    | 2.94                 | 1.03        | -                        | 1.91        |                      |
| VSGC              | SANDY, M.  | NASA SUPP#2 GCCE                       | 197531 | 0701 | 50.00%   | 108,637.55                                  | -                    | 108,637.55            | -           | -                    | 54,318.78            | 19,011.57   | -                        | 35,307.21   |                      |
| VSGC              | SANDY, M.  | FAA RUNWAY DESIGN MOD#13               | 390911 | 0701 | 42.00%   | 58,030.31                                   | -                    | 58,030.31             | -           | -                    | 24,372.72            | 8,530.45    | -                        | 15,842.27   |                      |
| VSGC              | SANDY, M.  | FAA RUNWAY DESIGN MOD#13               | 390912 | 0701 | 42.00%   | 14,991.27                                   | -                    | 14,991.27             | -           | -                    | 6,296.33             | 2,203.72    | -                        | 4,092.61    |                      |
| VSGC              | SANDY, M.  | FAA RUNWAY DESIGN MOD#11               | 390913 | 0701 | 42.00%   | 12,220.77                                   | -                    | 12,220.77             | -           | -                    | 5,132.73             | 1,796.46    | -                        | 3,336.27    |                      |
| VSGC              | SANDY, M.  | USED TIR SPACE GRANT YEAR 5            | 397562 | 0701 | 8.00%    | 13,632.88                                   | 7,500.00             | 6,132.88              | -           | 7,500.00             | 490.62               | 171.72      | -                        | 318.90      |                      |
| VSGC              | SANDY, M.  | SCHEV VASTS 2011-12                    | 501271 | 0701 | 0.00%    | 240,149.01                                  | 71,305.34            | 168,843.67            | -           | 71,305.34            | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | SCHEV SCHOLARSHIPS&FELLOWSHIPS         | 523751 | 0701 | 0.00%    | 10,000.00                                   | 10,000.00            | -                     | -           | 10,000.00            | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | ODU VA SPACE COAST ACADEMY             | 527481 | 0701 | 0.00%    | 92,122.66                                   | 8,750.79             | 83,371.87             | -           | 8,750.79             | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | UVA ON-CAMPUS STEM PROGRAMS            | 527491 | 0701 | 0.00%    | 119,229.89                                  | 74,310.94            | 44,918.95             | -           | 74,310.94            | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | VT COMMONWEALTH STEM INDUSTRY          | 527501 | 0701 | 0.00%    | 124,751.65                                  | -                    | 124,751.65            | -           | -                    | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | LARSS FY10 ADMIN SUPPORT               | 704231 | 0701 | 26.00%   | (25.58)                                     | -                    | (25.58)               | -           | -                    | (6.65)               | (2.33)      | -                        | (4.32)      |                      |
| VSGC              | SANDY, M.  | LARSS SUMMER 2010 ADMIN SUPP           | 704791 | 0701 | 26.00%   | 1,557.12                                    | 1,325.52             | 231.60                | -           | 1,325.52             | 60.21                | 21.07       | -                        | 39.14       |                      |
| VSGC              | SANDY, M.  | NIA LARSS ADMIN 2011-2012              | 722621 | 0701 | 26.00%   | 13,658.57                                   | -                    | 13,658.57             | -           | -                    | 3,551.24             | 1,242.93    | -                        | 2,308.31    |                      |
| VSGC              | SANDY, M.  | NIA LARSS ADMIN SUMMER 2012            | 722631 | 0701 | 26.00%   | 3,029.13                                    | 1,174.48             | 1,854.65              | -           | 1,174.48             | 482.21               | 168.77      | -                        | 313.44      |                      |
| VSGC              | SANDY, M.  | NIA LARSS FY2014 MOD#2                 | 735451 | 0701 | 26.00%   | 183,844.52                                  | 152,948.45           | 30,896.07             | -           | 152,948.45           | 8,032.98             | 2,811.54    | -                        | 5,221.44    |                      |
| VSGC              | SANDY, M.  | NIA LARSS FY12 MOD #55                 | 764466 | 0701 | 26.00%   | (700.00)                                    | (700.00)             | -                     | -           | (700.00)             | -                    | -           | -                        | -           |                      |
| VSGC              | SANDY, M.  | NIA LARSS FY13 MOD 63                  | 764467 | 0701 | 26.00%   | 442,369.26                                  | 396,274.84           | 46,094.42             | -           | 396,274.84           | 11,984.50            | 4,194.58    | -                        | 7,789.92    |                      |
| VSGC              | SANDY, M.  | NHREC GAITE 2013                       | 793286 | 0701 | 26.00%   | 219.16                                      | -                    | 219.16                | -           | -                    | 56.98                | 19.94       | -                        | 37.04       |                      |
| VSGC              | SANDY, M.  | NHREC GAITE 2013-2014                  | 793287 | 0701 | 26.00%   | 7.37  | -                    | 7.37                  | -           | -                    | 1.92                 | 0.67        | -                        | 1.25        |                      |
| VSGC              | SANDY, M.  | LARSS SPACE GRANT SPONSORS M#2         | 797161 | 0701 | 0.00%    | 37,400.00                                   | 37,400.00            | -                     | -           | 37,400.00            | -                    | -           | -                        | -           |                      |
|                   |            |  |        |      |          | <b>\$1,925,317.41</b>                       | <b>\$ 873,289.68</b> | <b>\$1,052,027.73</b> | <b>\$ -</b> | <b>\$ 873,289.68</b> | <b>\$ 218,898.53</b> | <b>\$ -</b> | <b>\$ 76,614.49</b>      | <b>\$ -</b> | <b>\$ 142,284.04</b> |

\* Note: Split reporting based upon project allocation between Principal Investigators.

**Old Dominion University Research Foundation**  
**Indirect Cost Allocation Report**  
**For the Six-month Period Ended December 31, 2013**

**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 December 31, 2013

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                  | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |             |  | PROJECT IDC AND FEES |                           |              | TOTAL PROJECT COSTS  | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---------------------------------|----------------------------------|---|------|-------------------------------|--|-------------|--|----------------------|---------------------------|--------------|----------------------|------------------------------|------------------|
|                                 |                                  |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT   | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS   | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                      |                              |                  |
| <b>ARTS AND LETTERS</b>         |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| Dean's Office                   |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 397561                          | * US DEPT OF EDUCATION           | WOJTOWICZ, R.                             | 1010 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| <b>1010 Total</b>               |                                  |   |      | <b>3,873.80</b>               | <b>2,592.32</b>                          | <b>-</b>    | <b>8,518.17</b>                        | <b>14,984.29</b>     | <b>517.29</b>             | <b>-</b>     | <b>15,501.58</b>     | <b>3.45%</b>                 |                  |
| English                         |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 397561                          | * US DEPT OF EDUCATION           | BOSTIC, T.                                | 1012 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| 397561                          | * US DEPT OF EDUCATION           | HELLER, D.                                | 1012 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| 286037                          | * NAVSUP FLEET LOGISTICS NORFOLK | VINCELETTE, E.                            | 1012 | 6,692.52                      | -  | -           | -                                      | 6,692.52             | 2,342.39                  | -            | 9,034.91             | TRAD                         |                  |
| <b>1012 Total</b>               |                                  |   |      | <b>14,440.12</b>              | <b>5,184.64</b>                          | <b>-</b>    | <b>17,036.35</b>                       | <b>36,661.11</b>     | <b>3,376.97</b>           | <b>-</b>     | <b>40,038.07</b>     | <b>9.21%</b>                 |                  |
| History                         |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 397561                          | * US DEPT OF EDUCATION           | FINLEY-CROSSWHITIE, A.                    | 1014 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| <b>1014 Total</b>               |                                  |   |      | <b>3,873.80</b>               | <b>2,592.32</b>                          | <b>-</b>    | <b>8,518.17</b>                        | <b>14,984.29</b>     | <b>517.29</b>             | <b>-</b>     | <b>15,501.58</b>     | <b>3.45%</b>                 |                  |
| Political Science and Geography |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 397561                          | * US DEPT OF EDUCATION           | ADAMS, F.                                 | 1018 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| 397561                          | * US DEPT OF EDUCATION           | JERSILD, A.                               | 1014 | 3,873.80                      | 2,592.32                                 | -           | 8,518.17                               | 14,984.29            | 517.29                    | -            | 15,501.58            | TRAD                         |                  |
| 726941                          | EUROPEAN COMMISSION              | KARP, R.                                  | 1018 | 21,922.36                     | 10,544.05                                | -           | -                                      | 32,466.41            | 2,272.65                  | -            | 34,739.06            | TRAD                         |                  |
| <b>1018 Total</b>               |                                  |   |      | <b>29,669.96</b>              | <b>15,728.69</b>                         | <b>-</b>    | <b>17,036.35</b>                       | <b>62,435.00</b>     | <b>3,307.23</b>           | <b>-</b>     | <b>65,742.23</b>     | <b>5.30%</b>                 |                  |
| Sociology and Criminal Justice  |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 594001                          | WAYNE STATE UNIVERSITY           | YANG, X.                                  | 1019 | 2,263.06                      | 2,738.56                                 | -           | -                                      | 5,001.62             | 2,500.81                  | -            | 7,502.43             | TRAD                         |                  |
| <b>1019 Total</b>               |                                  |   |      | <b>2,263.06</b>               | <b>2,738.56</b>                          | <b>-</b>    | <b>-</b>                               | <b>5,001.62</b>      | <b>2,500.81</b>           | <b>-</b>     | <b>7,502.43</b>      | <b>50.00%</b>                |                  |
| Communication and Theatre Arts  |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 310481                          | * NATL SCIENCE FOUNDATION        | ALONZO, J.                                | 1020 | 4,353.40                      | -  | -           | -                                      | 4,353.40             | 2,176.70                  | -            | 6,530.10             | TRAD                         |                  |
| <b>1020 Total</b>               |                                  |   |      | <b>4,353.40</b>               | <b>-</b>                                 | <b>-</b>    | <b>-</b>                               | <b>4,353.40</b>      | <b>2,176.70</b>           | <b>-</b>     | <b>6,530.10</b>      | <b>50.00%</b>                |                  |
| Social Science Research Center  |                                  |   |      |                               |  |             |  |                      |                           |              |                      |                              |                  |
| 230891                          | * NAVSUP FLEET LOGISTICS NORFOLK | VANDECAR-BURDIN, T.                       | 1060 | 2,664.27                      | 1,158.21                                 | -           | 143.14                                 | 3,965.62             | 2,025.91                  | -            | 5,991.53             | SSRC                         |                  |
| 396311                          | * US PUBLIC HEALTH SERVICE       | VANDECAR-BURDIN, T.                       | 1060 | 2,731.84                      | 186.38                                   | -           | -                                      | 2,918.22             | 1,459.09                  | -            | 4,377.31             | SSRC                         |                  |
| 512832                          | ODU                              | VANDECAR-BURDIN, T.                       | 1060 | 6,595.87                      | 817.00                                   | -           | -                                      | 7,412.87             | 370.64                    | -            | 7,783.51             | SSRC                         |                  |
| 530321                          | NEW HAMPSHIRE DEPT-HHS           | VANDECAR-BURDIN, T.                       | 1060 | 11,623.81                     | 1,767.13                                 | -           | -                                      | 13,390.94            | 1,339.09                  | -            | 14,730.03            | SSRC                         |                  |
| 532491                          | ODU                              | VANDECAR-BURDIN, T.                       | 1060 | 3,794.42                      | 3,235.78                                 | -           | -                                      | 7,030.20             | 351.51                    | -            | 7,381.71             | SSRC                         |                  |
| 534641                          | VA DEPT MENTAL HEALTH            | VANDECAR-BURDIN, T.                       | 1060 | 375.05                        | -  | -           | -                                      | 375.05               | 18.75                     | -            | 393.80               | SSRC                         |                  |
| 536611                          | CITY OF NORFOLK                  | VANDECAR-BURDIN, T.                       | 1060 | 3,346.44                      | -  | -           | -                                      | 3,346.44             | 870.07                    | -            | 4,216.51             | SSRC                         |                  |
| 536781                          | ODU                              | VANDECAR-BURDIN, T.                       | 1060 | 16,088.79                     | 7,629.64                                 | -           | -                                      | 23,718.43            | 1,185.92                  | -            | 24,904.35            | SSRC                         |                  |
| 732551                          | * PLANNED PARENTHOOD SE VIRGINIA | VANDECAR-BURDIN, T.                       | 1060 | 8,038.99                      | 330.87                                   | -           | -                                      | 8,369.85             | 2,176.17                  | -            | 10,546.02            | SSRC                         |                  |
| <b>1060 Total</b>               |                                  |   |      | <b>55,259.47</b>              | <b>15,125.00</b>                         | <b>-</b>    | <b>143.14</b>                          | <b>70,527.62</b>     | <b>9,797.15</b>           | <b>-</b>     | <b>80,324.77</b>     | <b>13.89%</b>                |                  |
| <b>TOTAL ARTS AND LETTERS</b>   |                                  |   |      | <b>\$ 113,733.62</b>          | <b>\$ 43,961.52</b>                      | <b>\$ -</b> | <b>\$ 51,252.18</b>                    | <b>\$ 208,947.33</b> | <b>\$ 22,193.44</b>       | <b>\$ -</b>  | <b>\$ 231,140.76</b> | <b>10.62%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                  | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |                   | PROJECT DIRECT COST           |  |             |  |                     | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|----------------------------------|--|-------------------|-------------------------------|--|-------------|--|---------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|   |                                  |  |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT   | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS  | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| <b>BUSINESS AND PUBLIC ADMINISTRATION</b>       |                                  |  |                   |                               |  |             |  |                     |                           |              |                     |                              |                  |
| Economics                                       |                                  |  |                   |                               |  |             |  |                     |                           |              |                     |                              |                  |
| 724681  | * CSX TRANSPORTATION             | AGRAWAL, V.                                    | 2038              | -                             | -  | -           | 4.63                                   | 4.63                | 2.38                      | -            | 7.01                |                              | TRAD             |
| 540791  | VA DEPT ECONOMIC DEVELOPMENT     | KOCH, J.                                       | 2038              | 45,528.85                     | -  | -           | -                                      | 45,528.85           | 12,748.08                 | -            | 58,276.93           |                              | TRAD             |
| 724681  | * CSX TRANSPORTATION             | WAGNER, G.                                     | 2038              | -                             | -  | -           | 4.63                                   | 4.63                | 2.38                      | -            | 7.01                |                              | TRAD             |
|   |                                  |  | <b>2038 Total</b> | <b>45,528.85</b>              | <b>-</b>                                 | <b>-</b>    | <b>9.26</b>                            | <b>45,538.11</b>    | <b>12,752.84</b>          | <b>-</b>     | <b>58,290.95</b>    | <b>28.00%</b>                |                  |
| Urban Studies and Public Administration         |                                  |  |                   |                               |  |             |  |                     |                           |              |                     |                              |                  |
| 230891  | * NAVSUP FLEET LOGISTICS NORFOLK | MILLER-STEVENS, K.                             | 2040              | 2,585.91                      | 1,124.15                                 | -           | 138.93                                 | 3,848.98            | 1,966.33                  | -            | 5,815.31            |                              | TRAD             |
| 230891  | * NAVSUP FLEET LOGISTICS NORFOLK | MORRIS, J.                                     | 2040              | 2,585.91                      | 1,124.15                                 | -           | 138.93                                 | 3,848.98            | 1,966.33                  | -            | 5,815.31            |                              | TRAD             |
| 732551  | * PLANNED PARENTHOOD SE VIRGINIA | MORRIS, J.                                     | 2040              | 8,038.99                      | 330.87                                   | -           | -                                      | 8,369.85            | 2,176.17                  | -            | 10,546.02           |                              | TRAD             |
|   |                                  |  |                   | 13,210.80                     | 2,579.16                                 | -           | 277.86                                 | 16,067.81           | 6,108.82                  | -            | 22,176.63           | -                            |                  |
| <b>TOTAL BUSINESS AND PUBLIC ADMINISTRATION</b> |                                  |  |                   | <b>\$ 58,739.65</b>           | <b>\$ 2,579.16</b>                       | <b>\$ -</b> | <b>\$ 287.12</b>                       | <b>\$ 61,605.92</b> | <b>\$ 18,861.66</b>       | <b>\$ -</b>  | <b>\$ 80,467.58</b> | <b>30.62%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER        | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-----------------------|----------------------------------|---|-------------------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|                       |                                  |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| <b>EDUCATION</b>      |                                  |   |                   |                               |  |           |  |                    |                           |              |                   |                     |                              |                  |
| Dean's Office         |                                  |   |                   |                               |  |           |  |                    |                           |              |                   |                     |                              |                  |
| 397561                | * US DEPT OF EDUCATION           | JUDGE, S.                                 | 3040              | 16,786.47                     | 11,233.38                                | -         | 36,912.08                              | 64,931.94          | 2,241.59                  | -            | 67,173.53         |                     | TRAD                         |                  |
| 216871                | DOD NON-TRADITIONAL EDUCATION    | WARGO, J.                                 | 3040              | -                             | -  | -         | -                                      | -                  | (0.01)                    | -            | (0.01)            |                     | TRAD                         |                  |
| 216872                | DOD NON-TRADITIONAL EDUCATION    | WARGO, J.                                 | 3040              | 54,793.78                     | 20,706.12                                | -         | -                                      | 75,499.90          | 6,039.98                  | -            | 81,539.88         |                     | TRAD                         |                  |
| 216879                | DOD NON-TRADITIONAL EDUCATION    | WARGO, J.                                 | 3040              | -                             | -  | -         | (7.64)                                 | (7.64)             | (0.61)                    | -            | (8.25)            |                     | TRAD                         |                  |
| 236581                | DOD NON-TRADITIONAL EDUCATION    | WARGO, J.                                 | 3040              | 37,829.97                     | 1,648.93                                 | -         | -                                      | 39,478.90          | 3,947.89                  | -            | 43,426.79         |                     | TRAD                         |                  |
|                       |                                  |   | <b>3040 Total</b> | <b>109,410.22</b>             | <b>33,588.43</b>                         | <b>-</b>  | <b>36,904.44</b>                       | <b>179,903.10</b>  | <b>12,228.84</b>          | <b>-</b>     | <b>192,131.94</b> | <b>6.80%</b>        |                              |                  |
| Teaching and Learning |                                  |   |                   |                               |  |           |  |                    |                           |              |                   |                     |                              |                  |
| 535211                | * SSTATE COUNCIL HIGHER ED IN VA | BUTLER, B.                                | 3041              | 4,951.17                      | 626.76                                   | -         | 1,349.19                               | 6,927.11           | 446.24                    | -            | 7,373.35          |                     | TRAD                         |                  |
| 535211                | * SSTATE COUNCIL HIGHER ED IN VA | COLWELL, J.                               | 3041              | 4,951.17                      | 626.76                                   | -         | 1,349.19                               | 6,927.11           | 446.24                    | -            | 7,373.35          |                     | TRAD                         |                  |
| 733811                | DOLLAR GENERAL LITERACY FNDTN    | COLWELL, J.                               | 3041              | -                             | 1,005.12                                 | -         | 137.18                                 | 1,142.30           | -                         | -            | 1,142.30          |                     | TRAD                         |                  |
| 327601                | US DEPT HLTH/HUMAN SERV          | DEBRUIN-PARECKI, A.                       | 3041              | 6,565.43                      | -  | -         | 421.00                                 | 6,986.43           | -                         | -            | 6,986.43          |                     | TRAD                         |                  |
| 536971                | * ODU                            | DEBRUIN-PARECKI, A.                       | 3041              | 40,138.04                     | 6,250.00                                 | -         | -                                      | 46,388.04          | 2,319.41                  | -            | 48,707.45         |                     | TRAD                         |                  |
| 341391                | * INST OF MUSEUM AND LIBRARY SVC | DICKINSON, G.                             | 3041              | 629.97                        | 856.93                                   | -         | 4,958.95                               | 6,445.85           | 788.06                    | -            | 7,233.90          |                     | TRAD                         |                  |
| 342591                | LONG ISLAND UNIVERSITY           | DICKINSON, G.                             | 3041              | -                             | -  | -         | 1,000.00                               | 1,000.00           | -                         | -            | 1,000.00          |                     | TRAD                         |                  |
| 392641                | * INST OF MUSEUM AND LIBRARY SVC | DICKINSON, G.                             | 3041              | 4,039.06                      | -  | -         | 821.70                                 | 4,860.76           | 1,765.07                  | -            | 6,625.83          |                     | TRAD                         |                  |
| 341391                | * INST OF MUSEUM AND LIBRARY SVC | DOLL, C.                                  | 3041              | 629.97                        | 856.93                                   | -         | 4,958.95                               | 6,445.85           | 788.06                    | -            | 7,233.90          |                     | TRAD                         |                  |
| 392641                | * INST OF MUSEUM AND LIBRARY SVC | DOLL, C.                                  | 3041              | 4,161.46                      | -  | -         | 846.60                                 | 5,008.06           | 1,818.56                  | -            | 6,826.62          |                     | TRAD                         |                  |
| 536971                | * ODU                            | ECKHOFF, A.                               | 3041              | 40,138.04                     | 6,250.00                                 | -         | -                                      | 46,388.04          | 2,319.41                  | -            | 48,707.45         |                     | TRAD                         |                  |
| 397561                | * US DEPT OF EDUCATION           | FLEENER, C.                               | 3041              | 10,330.14                     | 6,912.85                                 | -         | 22,715.13                              | 39,958.12          | 1,379.44                  | -            | 41,337.55         |                     | TRAD                         |                  |
| 392641                | * INST OF MUSEUM AND LIBRARY SVC | HINTON-JOHNSON, K.                        | 3041              | 4,039.06                      | -  | -         | 821.70                                 | 4,860.76           | 1,765.07                  | -            | 6,625.83          |                     | TRAD                         |                  |
| 341391                | * INST OF MUSEUM AND LIBRARY SVC | KIMMEL, S.                                | 3041              | 649.06                        | 882.90                                   | -         | 5,109.22                               | 6,641.18           | 811.94                    | -            | 7,453.11          |                     | TRAD                         |                  |
| 726081                | NATIONAL WRITING PROJECT         | LEE, L.                                   | 3041              | 1,669.03                      | 5,543.84                                 | -         | 3,000.00                               | 10,212.87          | 721.28                    | -            | 10,934.15         |                     | TRAD                         |                  |
| 397561                | * US DEPT OF EDUCATION           | SOMMERFELDT, J.                           | 3041              | 10,330.14                     | 6,912.85                                 | -         | 22,715.13                              | 39,958.12          | 1,379.44                  | -            | 41,337.55         |                     | TRAD                         |                  |
| 325871                | * NATL SCIENCE FOUNDATION        | YONGHEE, S.                               | 3041              | 251.09                        | 81.44                                    | -         | -                                      | 332.53             | 176.24                    | -            | 508.77            |                     | TRAD                         |                  |
| 535211                | * SSTATE COUNCIL HIGHER ED IN VA | YONGHEE, S.                               | 3041              | 4,243.86                      | 537.22                                   | -         | 1,156.45                               | 5,937.53           | 382.49                    | -            | 6,320.01          |                     | TRAD                         |                  |
|                       |                                  |   | <b>3041 Total</b> | <b>137,716.66</b>             | <b>37,343.60</b>                         | <b>-</b>  | <b>71,360.38</b>                       | <b>246,420.64</b>  | <b>17,306.92</b>          | <b>-</b>     | <b>263,727.56</b> | <b>7.02%</b>        |                              |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                 | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|--|----------------------------------|---|-------------------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|  |                                  |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| <b>STEM Education and Professional Studies</b> |                                  |   |                   |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 340681   | * NATL SCIENCE FOUNDATION        | BURGIN, S.                                | 3042              | -                             | 159.09                                   | -         | -                                      | 159.09             | 84.32                     | -            | 243.41              |                              | TRAD             |
| 397561   | * US DEPT OF EDUCATION           | BURGIN, S.                                | 3042              | 10,330.14                     | 6,912.85                                 | -         | 22,715.13                              | 39,958.12          | 1,379.44                  | -            | 41,337.55           |                              | TRAD             |
| 532571   | * VA DEPT ENVIRON QUALITY        | BURGIN, S.                                | 3042              | 27.02                         | 11.17                                    | -         | -                                      | 38.19              | -                         | -            | 38.19               |                              | TRAD             |
| 530471   | * VA.DEPT.OF REHABILITATIVE SERV | DAVIS, S.                                 | 3042              | 11,299.57                     | 6,839.11                                 | -         | -                                      | 18,138.67          | -                         | -            | 18,138.67           |                              | TRAD             |
| 542391   | * VA.DEPT.OF REHABILITATIVE SERV | DAVIS, S.                                 | 3042              | 5,273.37                      | 285.82                                   | -         | -                                      | 5,559.18           | -                         | -            | 5,559.18            |                              | TRAD             |
| 391471   | * NATL SCIENCE FOUNDATION        | DICKERSON, D.                             | 3042              | 2,484.06                      | 898.27                                   | -         | -                                      | 3,382.33           | 1,691.16                  | -            | 5,073.49            |                              | TRAD             |
| 532571   | * VA DEPT ENVIRON QUALITY        | DICKERSON, D.                             | 3042              | 243.20                        | 100.55                                   | -         | -                                      | 343.75             | -                         | -            | 343.75              |                              | TRAD             |
| 534902   | * ODU                            | ENDERSON, M.                              | 3042              | 29,434.32                     | -  | -         | -                                      | 29,434.32          | 1,471.71                  | -            | 30,906.03           |                              | TRAD             |
| 534901   | * ODU                            | ENDERSON, M.                              | 3042              | 43,585.83                     | 10,487.96                                | -         | 1,836.65                               | 55,910.43          | 2,703.70                  | -            | 58,614.12           |                              | TRAD             |
| 317101   | * US DEPT OF EDUCATION           | GRANT, M.                                 | 3042              | 20,059.46                     | 8,104.05                                 | -         | 171,413.41                             | 199,576.92         | 14,926.66                 | -            | 214,503.59          |                              | TRAD             |
| 516611   | * NEWPORT NEWS PUBLIC SCHOOLS    | GRANT, M.                                 | 3042              | 3,007.97                      | 859.14                                   | -         | -                                      | 3,867.11           | -                         | -            | 3,867.11            |                              | TRAD             |
| 306021   | * NATL SCIENCE FOUNDATION        | KATSIOLOUDIS, P.                          | 3042              | 1,979.62                      | -  | -         | 60.00                                  | 2,039.62           | 989.81                    | -            | 3,029.43            |                              | TRAD             |
| 326261   | * NATL SCIENCE FOUNDATION        | KATSIOLOUDIS, P.                          | 3042              | 5,152.61                      | 491.56                                   | -         | -                                      | 5,644.16           | 2,991.41                  | -            | 8,635.57            |                              | TRAD             |
| 530471   | * VA.DEPT.OF REHABILITATIVE SERV | KOSLOSKI, M.                              | 3042              | 11,299.57                     | 6,839.11                                 | -         | -                                      | 18,138.67          | -                         | -            | 18,138.67           |                              | TRAD             |
| 542391   | * VA.DEPT.OF REHABILITATIVE SERV | KOSLOSKI, M.                              | 3042              | 5,273.37                      | 285.82                                   | -         | -                                      | 5,559.18           | -                         | -            | 5,559.18            |                              | TRAD             |
| 391471   | * NATL SCIENCE FOUNDATION        | MCKINNEY, S.                              | 3042              | 2,484.06                      | 898.27                                   | -         | -                                      | 3,382.33           | 1,691.16                  | -            | 5,073.49            |                              | TRAD             |
| 317101   | * US DEPT OF EDUCATION           | MORRISON, G.                              | 3042              | 20,059.46                     | 8,104.05                                 | -         | 171,413.41                             | 199,576.92         | 14,926.66                 | -            | 214,503.59          |                              | TRAD             |
| 397561   | * US DEPT OF EDUCATION           | POND, L.                                  | 3042              | 10,330.14                     | 6,912.85                                 | -         | 22,715.13                              | 39,958.12          | 1,379.44                  | -            | 41,337.55           |                              | TRAD             |
| 726291   | * OPPORTUNITY, INC.              | REED, P.                                  | 3042              | 4,397.06                      | -  | -         | 3,033.29                               | 7,430.35           | 439.71                    | -            | 7,870.06            |                              | TRAD             |
| 726292   | * OPPORTUNITY, INC.              | REED, P.                                  | 3042              | 4,060.81                      | 570.56                                   | -         | -                                      | 4,631.37           | 463.13                    | -            | 5,094.50            |                              | TRAD             |
| 311641   | * NATL SCIENCE FOUNDATION        | RITZ, J.                                  | 3042              | 4,188.62                      | 7,985.90                                 | -         | 12,870.90                              | 25,045.41          | 6,087.26                  | -            | 31,132.67           |                              | TRAD             |
| 225071   | * ARMY MED RES COMMAND           | WATSON, G.                                | 3042              | 20,492.08                     | 664.50                                   | -         | 32,512.07                              | 53,668.65          | 12,693.95                 | -            | 66,362.60           |                              | TRAD             |
| 304931   | * NATL SCIENCE FOUNDATION        | WATSON, G.                                | 3042              | 77.28                         | -  | -         | -                                      | 77.28              | 38.64                     | -            | 115.92              |                              | TRAD             |
| 397561   | * US DEPT OF EDUCATION           | WATSON, G.                                | 3042              | 3,873.80                      | 2,592.32                                 | -         | 8,518.17                               | 14,984.29          | 517.29                    | -            | 15,501.58           |                              | TRAD             |
| 702971   | * ADV ANTI-TERROR TECHNOLOGIES   | WATSON, G.                                | 3042              | 5,416.85                      | 2,141.87                                 | -         | 328.75                                 | 7,887.47           | 3,779.36                  | -            | 11,666.83           |                              | TRAD             |
| 726291   | * OPPORTUNITY, INC.              | WATSON, G.                                | 3042              | 4,397.06                      | -  | -         | 3,033.29                               | 7,430.35           | 439.71                    | -            | 7,870.06            |                              | TRAD             |
| 726292   | * OPPORTUNITY, INC.              | WATSON, G.                                | 3042              | 4,060.81                      | 570.56                                   | -         | -                                      | 4,631.37           | 463.13                    | -            | 5,094.50            |                              | TRAD             |
| 786782   | * ADV ANTI-TERROR TECHNOLOGIES   | WATSON, G.                                | 3042              | -                             | -  | -         | 1,143.80                               | 1,143.80           | 584.86                    | -            | 1,728.66            |                              | TRAD             |
|  |                                  |   | <b>3042 Total</b> | <b>233,288.09</b>             | <b>72,715.35</b>                         | <b>-</b>  | <b>451,593.99</b>                      | <b>757,597.43</b>  | <b>69,742.50</b>          | <b>-</b>     | <b>827,339.94</b>   | <b>9.21%</b>                 |                  |
| <b>Human Movement Sciences</b>                 |                                  |   |                   |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 510191   | * EASTERN VIRGINIA MED. SCHOOL   | COLBERG, S.                               | 3044              | 11,134.07                     | 364.64                                   | -         | -                                      | 11,498.71          | 6,094.32                  | -            | 17,593.02           |                              | TRAD             |
| 717221   | * AMERICAN DIABETES ASSOCIATION  | COLBERG, S.                               | 3044              | 10,255.96                     | (6,335.86)                               | -         | 8,750.00                               | 12,670.10          | (724.49)                  | -            | 11,945.62           |                              | TRAD             |
| 732621   | * NORFOLK TOURISM RESEARCH FNDN  | GOMEZ, E.                                 | 3044              | 763.05                        | 72.25                                    | -         | -                                      | 835.30             | -                         | -            | 835.30              |                              | TRAD             |
| 525701   | * ODU                            | HILL, E.                                  | 3044              | 9,940.18                      | 55.49                                    | -         | -                                      | 9,995.67           | -                         | -            | 9,995.67            |                              | TRAD             |
| 530871   | * ODU                            | HILL, E.                                  | 3044              | 7,515.24                      | 2,354.78                                 | -         | -                                      | 9,870.02           | -                         | -            | 9,870.02            |                              | TRAD             |
| 732621   | * NORFOLK TOURISM RESEARCH FNDN  | HILL, E.                                  | 3044              | 763.05                        | 72.25                                    | -         | -                                      | 835.30             | -                         | -            | 835.30              |                              | TRAD             |
| 737481   | * UNITED WAY                     | HILL, E.                                  | 3047              | 4,430.00                      | 26.69                                    | -         | 341.91                                 | 4,798.60           | -                         | -            | 4,798.60            |                              | TRAD             |
| 737482   | * UNITED WAY                     | HILL, E.                                  | 3044              | 7,742.25                      | 115.34                                   | -         | -                                      | 7,857.59           | -                         | -            | 7,857.59            |                              | TRAD             |
| 732851   | * INTL SOCIETY OF BIOMECHANICS   | IRMISCHER, B.                             | 3044              | -                             | 639.82                                   | -         | -                                      | 639.82             | -                         | -            | 639.82              |                              | TRAD             |
| 725191   | * NORTH AM SOCIETY - SPORTS MGMT | RIDINGER, L.                              | 3044              | -                             | 637.75                                   | -         | -                                      | 637.75             | 63.78                     | -            | 701.53              |                              | TRAD             |
| 732621   | * NORFOLK TOURISM RESEARCH FNDN  | RIDINGER, L.                              | 3044              | 763.05                        | 72.25                                    | -         | -                                      | 835.30             | -                         | -            | 835.30              |                              | TRAD             |
| 732621   | * NORFOLK TOURISM RESEARCH FNDN  | SHAPIRO, S.                               | 3044              | 763.05                        | 72.25                                    | -         | -                                      | 835.30             | -                         | -            | 835.30              |                              | TRAD             |
| 732851   | * INTL SOCIETY OF BIOMECHANICS   | WEINHANDL, J.                             | 3044              | -                             | 639.82                                   | -         | -                                      | 639.82             | -                         | -            | 639.82              |                              | TRAD             |
| 734831   | * AAHPERD RESEARCH CONSORTIUM    | ZHU, X.                                   | 3044              | -                             | 1,024.59                                 | -         | -                                      | 1,024.59           | -                         | -            | 1,024.59            |                              | TRAD             |
|  |                                  |   | <b>3044 Total</b> | <b>54,069.89</b>              | <b>(187.95)</b>                          | <b>-</b>  | <b>9,091.91</b>                        | <b>62,973.85</b>   | <b>5,433.61</b>           | <b>-</b>     | <b>68,407.46</b>    | <b>8.63%</b>                 |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |                  |  |                     | PROJECT IDC AND FEES      |              |                     | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |  |
|---|--------------------------------|---|------|-------------------------------|--|------------------|--|---------------------|---------------------------|--------------|---------------------|---------------------|------------------------------|------------------|--|
|   |                                |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS  | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                     |                     |                              |                  |  |
| Communication Disorders and Special Education |                                |   |      |                               |  |                  |  |                     |                           |              |                     |                     |                              |                  |  |
| 390411  | * US DEPT OF EDUCATION         | BAKER, C.                                 | 3045 | 2,021.26                      | 670.21                                   | -                | 5,336.04                               | 8,027.51            | 215.32                    | -            | 8,242.83            | TRAD                |                              |                  |  |
| 531991  | * ODU                          | BAKER, C.                                 | 3045 | 9,218.73                      | 29.09                                    | -                | 29,471.00                              | 38,718.81           | 739.82                    | -            | 39,458.64           | TRAD                |                              |                  |  |
| 533551  | ODU                            | BOBZIEN, J.                               | 3045 | 15,612.40                     | 2,452.84                                 | -                | -                                      | 18,065.24           | -                         | -            | 18,065.24           | TRAD                |                              |                  |  |
| 397561  | * US DEPT OF EDUCATION         | BUTLER, C.                                | 3045 | 10,330.14                     | 6,912.85                                 | -                | 22,715.13                              | 39,958.12           | 1,379.44                  | -            | 41,337.55           | TRAD                |                              |                  |  |
| 512063  | * ODU                          | GABLE, R.                                 | 3045 | 106,965.21                    | 53,204.71                                | -                | 3,588.50                               | 163,758.41          | 12,813.59                 | -            | 176,572.00          | TRAD                |                              |                  |  |
| 512064  | * ODU                          | GABLE, R.                                 | 3045 | 83,437.93                     | 28,676.11                                | -                | -                                      | 112,114.04          | 8,969.12                  | -            | 121,083.16          | TRAD                |                              |                  |  |
| 521591  | * ODU                          | GABLE, R.                                 | 3045 | -                             | 10,294.81                                | 5,204.66         | 3,588.50                               | 19,087.96           | 823.59                    | -            | 19,911.55           | TRAD                |                              |                  |  |
| 521592  | * ODU                          | GABLE, R.                                 | 3045 | 5,237.12                      | 47,926.96                                | -                | -                                      | 53,164.07           | 4,253.13                  | -            | 57,417.20           | TRAD                |                              |                  |  |
| 521601  | * ODU                          | GABLE, R.                                 | 3045 | 980.02                        | 5,650.31                                 | -                | -                                      | 6,630.32            | 530.43                    | -            | 7,160.75            | TRAD                |                              |                  |  |
| 531991  | * ODU                          | GABLE, R.                                 | 3045 | 9,218.73                      | 29.09                                    | -                | 29,471.00                              | 38,718.81           | 739.82                    | -            | 39,458.64           | TRAD                |                              |                  |  |
| 532421  | * ODU                          | GABLE, R.                                 | 3045 | 12,709.16                     | 13,679.62                                | -                | -                                      | 26,388.78           | 2,111.10                  | -            | 28,499.88           | TRAD                |                              |                  |  |
| 540571  | * ODU                          | GABLE, R.                                 | 3045 | 11,328.60                     | 245.94                                   | -                | 17,128.63                              | 28,703.17           | -                         | -            | 28,703.17           | TRAD                |                              |                  |  |
| 542121  | * ODU                          | GABLE, R.                                 | 3045 | 70,497.15                     | 875.00                                   | -                | -                                      | 71,372.15           | 5,709.78                  | -            | 77,081.93           | TRAD                |                              |                  |  |
| 542122  | * ODU                          | GABLE, R.                                 | 3045 | 35,830.88                     | 350.00                                   | -                | -                                      | 36,180.88           | 2,894.47                  | -            | 39,075.35           | TRAD                |                              |                  |  |
| 542131  | * ODU                          | GABLE, R.                                 | 3045 | 34,830.80                     | -  | -                | -                                      | 34,830.80           | 2,786.47                  | -            | 37,617.26           | TRAD                |                              |                  |  |
| 511152  | * ODU                          | GABLE, R.                                 | 3045 | 52,112.95                     | 4,393.01                                 | -                | -                                      | 56,505.95           | 4,520.48                  | -            | 61,026.43           | TRAD                |                              |                  |  |
| 397561  | * US DEPT OF EDUCATION         | GEAR, S.                                  | 3045 | 10,330.14                     | 6,912.85                                 | -                | 22,715.13                              | 39,958.12           | 1,379.44                  | -            | 41,337.55           | TRAD                |                              |                  |  |
| 390411  | * US DEPT OF EDUCATION         | HESTER, P.                                | 3045 | 18,191.37                     | 6,031.92                                 | -                | 48,024.34                              | 72,247.63           | 1,937.85                  | -            | 74,185.48           | TRAD                |                              |                  |  |
| 381571  | US PUBLIC HEALTH SERVICE       | RAYMER, A.                                | 3045 | 730.32                        | 129.97                                   | -                | 600.00                                 | 1,460.29            | 430.15                    | -            | 1,890.44            | TRAD                |                              |                  |  |
| 786782  | * ADV ANTI-TERROR TECHNOLOGIES | RAYMER, A.                                | 3045 | -                             | -  | -                | 1,143.80                               | 1,143.80            | 584.86                    | -            | 1,728.66            | TRAD                |                              |                  |  |
| 397561  | * US DEPT OF EDUCATION         | RAYMER, A.                                | 3045 | 3,873.80                      | 2,592.32                                 | -                | 8,518.17                               | 14,984.29           | 517.29                    | -            | 15,501.58           | TRAD                |                              |                  |  |
| 511152  | * ODU                          | TONELSON, S.                              | 3045 | 52,112.95                     | 4,393.01                                 | -                | -                                      | 56,505.95           | 4,520.48                  | -            | 61,026.43           | TRAD                |                              |                  |  |
| 512063  | * ODU                          | TONELSON, S.                              | 3045 | 106,965.21                    | 53,204.71                                | -                | 3,588.50                               | 163,758.41          | 12,813.59                 | -            | 176,572.00          | TRAD                |                              |                  |  |
| 512064  | * ODU                          | TONELSON, S.                              | 3045 | 83,437.93                     | 28,676.11                                | -                | -                                      | 112,114.04          | 8,969.12                  | -            | 121,083.16          | TRAD                |                              |                  |  |
| 512781  | * ODU                          | TONELSON, S.                              | 3045 | -                             | -  | -                | -                                      | -                   | 0.01                      | -            | 0.01                | TRAD                |                              |                  |  |
| 520612  | ODU                            | TONELSON, S.                              | 3045 | -                             | -  | -                | (1.00)                                 | (1.00)              | -                         | -            | (1.00)              | TRAD                |                              |                  |  |
| 521591  | * ODU                          | TONELSON, S.                              | 3045 | -                             | 10,294.81                                | 5,204.66         | 3,588.50                               | 19,087.96           | 823.59                    | -            | 19,911.55           | TRAD                |                              |                  |  |
| 521592  | * ODU                          | TONELSON, S.                              | 3045 | 5,237.12                      | 47,926.96                                | -                | -                                      | 53,164.07           | 4,253.13                  | -            | 57,417.20           | TRAD                |                              |                  |  |
| 521601  | * ODU                          | TONELSON, S.                              | 3045 | 980.02                        | 5,650.31                                 | -                | -                                      | 6,630.32            | 530.43                    | -            | 7,160.75            | TRAD                |                              |                  |  |
| 531851  | GEORGE MASON UNIVERISTY        | TONELSON, S.                              | 3045 | 10,906.26                     | -  | -                | 4,851.00                               | 15,757.26           | 872.50                    | -            | 16,629.76           | TRAD                |                              |                  |  |
| 531991  | * ODU                          | TONELSON, S.                              | 3045 | 18,437.45                     | 58.18                                    | -                | 58,942.00                              | 77,437.63           | 1,479.65                  | -            | 78,917.27           | TRAD                |                              |                  |  |
| 532421  | * ODU                          | TONELSON, S.                              | 3045 | 12,709.16                     | 13,679.62                                | -                | -                                      | 26,388.78           | 2,111.10                  | -            | 28,499.88           | TRAD                |                              |                  |  |
| 534971  | GEORGE MASON UNIVERISTY        | TONELSON, S.                              | 3045 | 9,870.03                      | -  | -                | -                                      | 9,870.03            | 789.60                    | -            | 10,659.63           | TRAD                |                              |                  |  |
| 540571  | * ODU                          | TONELSON, S.                              | 3045 | 11,328.60                     | 245.94                                   | -                | 17,128.63                              | 28,703.17           | -                         | -            | 28,703.17           | TRAD                |                              |                  |  |
| 542121  | * ODU                          | TONELSON, S.                              | 3045 | 70,497.15                     | 875.00                                   | -                | -                                      | 71,372.15           | 5,709.78                  | -            | 77,081.93           | TRAD                |                              |                  |  |
| 542122  | * ODU                          | TONELSON, S.                              | 3045 | 35,830.88                     | 350.00                                   | -                | -                                      | 36,180.88           | 2,894.47                  | -            | 39,075.35           | TRAD                |                              |                  |  |
| 542131  | * ODU                          | TONELSON, S.                              | 3045 | 34,830.80                     | -  | -                | -                                      | 34,830.80           | 2,786.47                  | -            | 37,617.26           | TRAD                |                              |                  |  |
| <b>3045 Total</b>                             |                                |   |      | <b>946,600.18</b>             | <b>356,412.19</b>                        | <b>10,409.31</b> | <b>280,397.86</b>                      | <b>1,593,819.54</b> | <b>101,890.00</b>         | <b>-</b>     | <b>1,695,709.54</b> | <b>6.39%</b>        |                              |                  |  |



**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                | SPONSORING AGENCY               | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |                     |  |                        | PROJECT IDC AND FEES      |              |                        | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|---------------------------------|---|------|-------------------------------|--|---------------------|--|------------------------|---------------------------|--------------|------------------------|------------------------------|------------------|
|   |                                 |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT           | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS     | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS    |                              |                  |
| <b>Educational Foundations and Leadership</b> |                                 |   |      |                               |  |                     |  |                        |                           |              |                        |                              |                  |
| 325131  | * US DEPT OF JUSTICE            | BAUTTI-ROCHE, J.                          | 3046 | 9,050.47                      | 3,439.26                                 | -                   | -                                      | 12,489.73              | -                         | -            | 12,489.73              |                              | TRAD             |
| 317101  | * US DEPT OF EDUCATION          | BOL, L.                                   | 3046 | 20,059.46                     | 8,104.05                                 | -                   | 171,413.41                             | 199,576.92             | 14,926.66                 | -            | 214,503.59             |                              | TRAD             |
| 593191  | HAMPTON PUBLIC SCHOOLS          | BURNETT, D.                               | 3046 | 50,273.47                     | 3,520.45                                 | -                   | -                                      | 53,793.92              | 4,303.52                  | -            | 58,097.44              |                              | TRAD             |
| 325131  | * US DEPT OF JUSTICE            | GREGORY, D.                               | 3046 | 11,061.69                     | 4,203.54                                 | -                   | -                                      | 15,265.23              | -                         | -            | 15,265.23              |                              | TRAD             |
| 325631  | * US DEPT HLTH/HUMAN SERV       | JOHNSON, K.                               | 3046 | 15,205.99                     | 975.20                                   | 1,999.15            | -                                      | 18,180.34              | 1,294.50                  | -            | 19,474.84              |                              | TRAD             |
| 385875  | * US DEPT OF EDUCATION          | MYRAN, S.                                 | 3046 | 9,165.38                      | 6,232.95                                 | -                   | -                                      | 15,398.33              | 4,003.57                  | -            | 19,401.90              |                              | TRAD             |
| 215691  | * DOD NON-TRADITIONAL EDUCATION | OSBORN, J.                                | 3046 | 4,812.55                      | 1,370.65                                 | -                   | 100.00                                 | 6,283.20               | 618.32                    | -            | 6,901.52               |                              | TRAD             |
| 215691  | * DOD NON-TRADITIONAL EDUCATION | OWINGS, W.                                | 3046 | 31,281.57                     | 8,909.23                                 | -                   | 650.00                                 | 40,840.80              | 4,019.08                  | -            | 44,859.88              |                              | TRAD             |
| 215691  | * DOD NON-TRADITIONAL EDUCATION | PRIBESH, S.                               | 3046 | -                             | -  | -                   | -                                      | -                      | -                         | -            | -                      |                              | TRAD             |
| 385875  | * US DEPT OF EDUCATION          | SANZO, K.                                 | 3046 | 27,496.14                     | 18,698.86                                | -                   | -                                      | 46,195.00              | 12,010.70                 | -            | 58,205.70              |                              | TRAD             |
| 397561  | * US DEPT OF EDUCATION          | SCRIBNER, J.                              | 3046 | 3,873.80                      | 2,592.32                                 | -                   | 8,518.17                               | 14,984.29              | 517.29                    | -            | 15,501.58              |                              | TRAD             |
|   |                                 | <b>3046 Total</b>                         |      | <b>182,280.52</b>             | <b>58,046.51</b>                         | <b>1,999.15</b>     | <b>180,681.59</b>                      | <b>423,007.77</b>      | <b>41,693.64</b>          | <b>-</b>     | <b>464,701.41</b>      | <b>9.86%</b>                 |                  |
| <b>Counseling and Human Services</b>          |                                 |   |      |                               |  |                     |  |                        |                           |              |                        |                              |                  |
| 525561  | * CITY OF VIRGINIA BEACH        | CRAIGEN, L.                               | 3047 | 5,228.34                      | -  | -                   | -                                      | 5,228.34               | -                         | -            | 5,228.34               |                              | TRAD             |
| 516611  | * NEWPORT NEWS PUBLIC SCHOOLS   | CRAIGEN, L.                               | 3047 | 6,015.94                      | 1,718.29                                 | -                   | -                                      | 7,734.23               | -                         | -            | 7,734.23               |                              | TRAD             |
| 537771  | * VIRGINIA COMMONWEALTH UNIV.   | JOHNSON, K.                               | 3047 | 1,023.49                      | 347.50                                   | -                   | -                                      | 1,370.99               | -                         | -            | 1,370.99               |                              | TRAD             |
| 525561  | * CITY OF VIRGINIA BEACH        | LEVINGSTON, K.                            | 3047 | 7,842.52                      | -  | -                   | -                                      | 7,842.52               | -                         | -            | 7,842.52               |                              | TRAD             |
| 722681  | * GIVE AN HOUR, INC.            | LEVINGSTON, K.                            | 3047 | -                             | 476.01                                   | -                   | -                                      | 476.01                 | 138.04                    | -            | 614.05                 |                              | TRAD             |
| 726311  | GIVE AN HOUR, INC.              | LEVINGSTON, K.                            | 3047 | -                             | 3,231.58                                 | -                   | -                                      | 3,231.58               | -                         | -            | 3,231.58               |                              | TRAD             |
| 516611  | * NEWPORT NEWS PUBLIC SCHOOLS   | LEVINGSTON, K.                            | 3047 | 3,007.97                      | 859.14                                   | -                   | -                                      | 3,867.11               | -                         | -            | 3,867.11               |                              | TRAD             |
| 525701  | * ODU                           | MILLIKEN, T.                              | 3047 | 9,940.18                      | 55.49                                    | -                   | -                                      | 9,995.67               | -                         | -            | 9,995.67               |                              | TRAD             |
| 530871  | * ODU                           | MILLIKEN, T.                              | 3047 | 7,515.24                      | 2,354.78                                 | -                   | -                                      | 9,870.02               | -                         | -            | 9,870.02               |                              | TRAD             |
| 737481  | * UNITED WAY                    | MILLIKEN, T.                              | 3047 | 4,430.00                      | 26.69                                    | -                   | 341.91                                 | 4,798.60               | -                         | -            | 4,798.60               |                              | TRAD             |
| 737482  | * UNITED WAY                    | MILLIKEN, T.                              | 3047 | 7,742.25                      | 115.34                                   | -                   | -                                      | 7,857.59               | -                         | -            | 7,857.59               |                              | TRAD             |
| 706272  | NORFOLK COMMUNITY SERVICES BRD  | SCHWITZER, A.                             | 3047 | -                             | -  | -                   | 5,800.04                               | 5,800.04               | -                         | -            | 5,800.04               |                              | TRAD             |
| 722681  | * GIVE AN HOUR, INC.            | WARD, C.                                  | 3047 | -                             | -  | -                   | -                                      | -                      | -                         | -            | -                      |                              | TRAD             |
|   |                                 | <b>3047 Total</b>                         |      | <b>52,745.93</b>              | <b>9,184.81</b>                          | <b>-</b>            | <b>6,141.95</b>                        | <b>68,072.69</b>       | <b>138.04</b>             | <b>-</b>     | <b>68,210.73</b>       | <b>0.20%</b>                 |                  |
| <b>Center for Educational Partnerships</b>    |                                 |   |      |                               |  |                     |  |                        |                           |              |                        |                              |                  |
| 317101  | * US DEPT OF EDUCATION          | ARNOLD, P.                                | 3048 | 40,118.93                     | 16,208.10                                | -                   | 342,826.82                             | 399,153.85             | 29,853.32                 | -            | 429,007.17             |                              | TRAD             |
| 516581  | * NEWPORT NEWS PUBLIC SCHOOLS   | ARNOLD, P.                                | 3048 | 5,032.02                      | 5.00                                     | -                   | -                                      | 5,037.02               | -                         | -            | 5,037.02               |                              | TRAD             |
| 215691  | * DOD NON-TRADITIONAL EDUCATION | CHAPPELL, S.                              | 3048 | 12,031.37                     | 3,426.63                                 | -                   | 250.00                                 | 15,708.00              | 1,545.80                  | -            | 17,253.80              |                              | TRAD             |
| 516581  | * NEWPORT NEWS PUBLIC SCHOOLS   | CHAPPELL, S.                              | 3048 | 5,032.02                      | 5.00                                     | -                   | -                                      | 5,037.02               | -                         | -            | 5,037.02               |                              | TRAD             |
| 317101  | * US DEPT OF EDUCATION          | CHAPPELL, S.                              | 3048 | 20,059.46                     | 8,104.05                                 | -                   | 171,413.41                             | 199,576.92             | 14,926.66                 | -            | 214,503.59             |                              | TRAD             |
| 333151  | NATL SCIENCE FOUNDATION         | GARNER, J.                                | 3048 | 2,884.16                      | 894.54                                   | -                   | -                                      | 3,778.70               | 982.46                    | -            | 4,761.16               |                              | TRAD             |
| 516581  | * NEWPORT NEWS PUBLIC SCHOOLS   | GARNER, J.                                | 3048 | 10,064.03                     | 10.00                                    | -                   | -                                      | 10,074.03              | -                         | -            | 10,074.03              |                              | TRAD             |
| 524481  | * ODU                           | GARNER, J.                                | 3048 | 16,898.41                     | 17,848.94                                | -                   | 55,207.37                              | 89,954.72              | 2,779.78                  | -            | 92,734.50              |                              | TRAD             |
| 532151  | * ODU                           | GARNER, J.                                | 3048 | 21,376.37                     | 3,682.36                                 | -                   | 619.92                                 | 25,678.65              | 2,004.70                  | -            | 27,683.34              |                              | TRAD             |
| 215691  | * DOD NON-TRADITIONAL EDUCATION | NUNNERY, J.                               | 3048 | -                             | -  | -                   | -                                      | -                      | -                         | -            | -                      |                              | TRAD             |
| 317101  | * US DEPT OF EDUCATION          | NUNNERY, J.                               | 3048 | 80,237.85                     | 32,416.20                                | -                   | 685,653.65                             | 798,307.70             | 59,706.64                 | -            | 858,014.34             |                              | TRAD             |
| 516581  | * NEWPORT NEWS PUBLIC SCHOOLS   | NUNNERY, J.                               | 3048 | 5,032.02                      | 5.00                                     | -                   | -                                      | 5,037.02               | -                         | -            | 5,037.02               |                              | TRAD             |
|   |                                 | <b>3048 Total</b>                         |      | <b>218,766.64</b>             | <b>82,605.80</b>                         | <b>-</b>            | <b>1,255,971.17</b>                    | <b>1,557,343.61</b>    | <b>111,799.36</b>         | <b>-</b>     | <b>1,669,142.97</b>    | <b>7.18%</b>                 |                  |
| <b>EDUCATION TOTAL</b>                        |                                 |   |      | <b>\$ 1,934,878.13</b>        | <b>\$ 649,708.75</b>                     | <b>\$ 12,408.46</b> | <b>\$ 2,292,143.28</b>                 | <b>\$ 4,889,138.63</b> | <b>\$ 360,232.90</b>      | <b>\$ -</b>  | <b>\$ 5,249,371.53</b> | <b>7.37%</b>                 |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                      | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |                 |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-------------------------------------|--------------------------------|---|-------------------|-------------------------------|--|-----------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|                                     |                                |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT       | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| <b>ENGINEERING AND TECHNOLOGY</b>   |                                |   |                   |                               |  |                 |  |                    |                           |              |                   |                     |                              |                  |
| Dean's Office                       |                                |   |                   |                               |  |                 |  |                    |                           |              |                   |                     |                              |                  |
| 502534                              | * UNIV MICH DEPT NAT RESOURCES | BAYSAL, O.                                | 4051              | 14,487.63                     | 30.24                                    | 288.27          | -                                      | 14,806.14          | 7,694.47                  | -            | 22,500.61         |                     |                              | TRAD             |
| 780271                              | GENERAL COMMAND OF GANDARME    | BAYSAL, O.                                | 4051              | -                             | -  | -               | 36,345.58                              | 36,345.58          | -                         | -            | 36,345.58         |                     |                              | TRAD             |
| 351161                              | US DEPT OF ENERGY              | VAHALA, L.                                | 4051              | 13,050.18                     | -  | 3,309.59        | -                                      | 16,359.77          | 5,481.08                  | -            | 21,840.85         |                     |                              | TRAD             |
| 520011                              | COLLEGE OF WILLIAM AND MARY    | VAHALA, L.                                | 4051              | -                             | 701.44                                   | -               | -                                      | 701.44             | 371.76                    | -            | 1,073.20          |                     |                              | TRAD             |
| 735361                              | * NATL INST AEROSPACE ASSOC    | VAHALA, L.                                | 4051              | 1,454.35                      | -  | -               | -                                      | 1,454.35           | 378.13                    | -            | 1,832.47          |                     |                              | TRAD             |
|                                     |                                |   | <b>4051 Total</b> | <b>28,992.15</b>              | <b>731.68</b>                            | <b>3,597.86</b> | <b>36,345.58</b>                       | <b>69,667.27</b>   | <b>13,925.44</b>          | <b>-</b>     | <b>83,592.71</b>  | <b>19.99%</b>       |                              |                  |
| Civil and Environmental Engineering |                                |   |                   |                               |  |                 |  |                    |                           |              |                   |                     |                              |                  |
| 514421                              | * VA DEPT OF TRANSPORTATION    | CETIN, M.                                 | 4053              | -                             | -  | -               | 9.26                                   | 9.26               | 0.96                      | -            | 10.22             |                     |                              | TRAD             |
| 516861                              | * VA DEPT OF TRANSPORTATION    | CETIN, M.                                 | 4053              | 324.59                        | -  | -               | (0.00)                                 | 324.59             | 38.95                     | -            | 363.54            |                     |                              | TRAD             |
| 521701                              | * UNIVERSITY OF IDAHO          | CETIN, M.                                 | 4053              | 11,879.13                     | 658.47                                   | -               | -                                      | 12,537.60          | 6,644.93                  | -            | 19,182.53         |                     |                              | TRAD             |
| 521702                              | * UNIVERSITY OF IDAHO          | CETIN, M.                                 | 4053              | 19,805.09                     | -  | -               | -                                      | 19,805.09          | 10,496.70                 | -            | 30,301.79         |                     |                              | TRAD             |
| 521705                              | * UNIVERSITY OF IDAHO          | CETIN, M.                                 | 4053              | 2,225.99                      | -  | -               | -                                      | 2,225.99           | 1,179.78                  | -            | 3,405.77          |                     |                              | TRAD             |
| 521706                              | * UNIVERSITY OF IDAHO          | CETIN, M.                                 | 4053              | 5,742.32                      | 1,039.50                                 | -               | -                                      | 6,781.82           | 3,594.36                  | -            | 10,376.18         |                     |                              | TRAD             |
| 523911                              | ODU                            | CETIN, M.                                 | 4053              | -                             | (265.54)                                 | -               | -                                      | (265.54)           | -                         | -            | (265.54)          |                     |                              | TRAD             |
| 526751                              | VA DEPT OF TRANSPORTATION      | CETIN, M.                                 | 4053              | 36,203.12                     | -  | -               | -                                      | 36,203.12          | 4,344.37                  | -            | 40,547.49         |                     |                              | TRAD             |
| 533611                              | CENTER INNOVATIVE TECHNOLOGY   | CETIN, M.                                 | 4053              | 1,825.28                      | -  | -               | -                                      | 1,825.28           | 547.59                    | -            | 2,372.87          |                     |                              | TRAD             |
| 722461                              | * HAMPTON UNIVERSITY           | ERTEN-UNAL, M.                            | 4053              | 3,933.51                      | -  | -               | -                                      | 3,933.51           | 1,101.38                  | -            | 5,034.89          |                     |                              | TRAD             |
| 511371                              | VA DEPT OF TRANSPORTATION      | KHATTAK, A.                               | 4053              | 10,596.80                     | -  | -               | 1,613.06                               | 12,209.86          | 2,071.13                  | -            | 14,280.99         |                     |                              | TRAD             |
| 514421                              | * VA DEPT OF TRANSPORTATION    | KHATTAK, A.                               | 4053              | -                             | -  | -               | 9.26                                   | 9.26               | 0.96                      | -            | 10.22             |                     |                              | TRAD             |
| 516861                              | * VA DEPT OF TRANSPORTATION    | KHATTAK, A.                               | 4053              | 649.19                        | -  | -               | (0.01)                                 | 649.18             | 77.91                     | -            | 727.09            |                     |                              | TRAD             |
| 333001                              | US ENVIRON PROTECTION AGENCY   | KUMAR, S.                                 | 4053              | -                             | 2,844.53                                 | -               | -                                      | 2,844.53           | 1,507.59                  | -            | 4,352.12          |                     |                              | TRAD             |
| 533571                              | * ODU                          | KUMAR, S.                                 | 4053              | 4,052.28                      | 1,553.31                                 | -               | -                                      | 5,605.59           | -                         | -            | 5,605.59          |                     |                              | TRAD             |
| 724102                              | TYTON BIOSCIENCES CORP, LLC    | KUMAR, S.                                 | 4053              | 14,312.83                     | 410.60                                   | -               | 857.32                                 | 15,580.75          | 4,674.11                  | -            | 20,254.86         |                     |                              | TRAD             |
| 736181                              | FIBERIGHT, LLC                 | KUMAR, S.                                 | 4053              | 13,722.63                     | 3,482.90                                 | -               | -                                      | 17,205.53          | 9,118.92                  | -            | 26,324.45         |                     |                              | TRAD             |
| 737041                              | VAST SUSTAINABILITY LLC        | KUMAR, S.                                 | 4053              | 876.81                        | 622.30                                   | -               | 134.89                                 | 1,634.00           | 866.00                    | -            | 2,500.00          |                     |                              | TRAD             |
| 741311                              | TYTON BIOSCIENCES CORP, LLC    | KUMAR, S.                                 | 4053              | -                             | 825.00                                   | -               | -                                      | 825.00             | 214.50                    | -            | 1,039.50          |                     |                              | TRAD             |
| 334251                              | NATL SCIENCE FOUNDATION        | MA, G.                                    | 4053              | -                             | 1,678.48                                 | -               | -                                      | 1,678.48           | 889.59                    | -            | 2,568.07          |                     |                              | TRAD             |
| 533561                              | * ODU                          | NGUYEN, D.                                | 4053              | 7,929.21                      | -  | -               | -                                      | 7,929.21           | -                         | -            | 7,929.21          |                     |                              | TRAD             |
| 520912                              | HAMPTON ROADS SANITATION DIST. | SCHAFFRAN, G.                             | 4053              | 6,298.85                      | -  | -               | -                                      | 6,298.85           | 1,637.70                  | -            | 7,936.55          |                     |                              | TRAD             |
| 520913                              | HAMPTON ROADS SANITATION DIST. | SCHAFFRAN, G.                             | 4053              | 7,160.32                      | -  | -               | -                                      | 7,160.32           | 1,396.26                  | -            | 8,556.58          |                     |                              | TRAD             |
| 597981                              | * ODU                          | SCHAFFRAN, G.                             | 4053              | -                             | (347.28)                                 | -               | -                                      | (347.28)           | -                         | -            | (347.28)          |                     |                              | TRAD             |
| 723701                              | ODU                            | WANG, X.                                  | 4053              | 3,900.00                      | 200.00                                   | -               | -                                      | 4,100.00           | 2,173.00                  | -            | 6,273.00          |                     |                              | TRAD             |
| 306021                              | * NATL SCIENCE FOUNDATION      | YOON, J.                                  | 4053              | 1,979.62                      | -  | -               | 60.00                                  | 2,039.62           | 989.81                    | -            | 3,029.43          |                     |                              | TRAD             |
| 737501                              | BROWN AND CALDWELL             | YOON, J.                                  | 4053              | 3,006.38                      | -  | -               | 199.62                                 | 3,206.00           | 1,699.00                  | -            | 4,905.00          |                     |                              | TRAD             |
|                                     |                                |   | <b>4053 Total</b> | <b>156,423.94</b>             | <b>12,702.27</b>                         | <b>-</b>        | <b>2,883.40</b>                        | <b>172,009.62</b>  | <b>55,265.50</b>          | <b>-</b>     | <b>227,275.12</b> | <b>32.13%</b>       |                              |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                      | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |                  |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-------------------------------------|--------------------------------|---|------|-------------------------------|--|------------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|                                     |                                |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| Electrical and Computer Engineering |                                |   |      |                               |  |                  |  |                    |                           |              |                   |                     |                              |                  |
| 531100                              | UNIVERSITY OF VIRGINIA         | BAUMGART, H.                              | 4054 | 360.27                        | 179.99                                   | -                | -                                      | 540.26             | -                         | -            | 540.26            |                     |                              | TRAD             |
| 506651                              | * EASTERN VIRGINIA MED. SCHOOL | BELFORE, L.                               | 4054 | 4,029.56                      | 463.81                                   | -                | -                                      | 4,493.37           | 1,168.28                  | -            | 5,661.65          |                     |                              | TRAD             |
| 525081                              | UNIVERSITY OF TENNESSEE        | CHEN, C.                                  | 4054 | 17,260.29                     | 5,444.25                                 | -                | -                                      | 22,704.54          | 12,033.40                 | -            | 34,737.94         |                     |                              | TRAD             |
| 512401                              | * UNIVERSITY OF MINNESOTA      | DHALI, S.                                 | 4054 | -                             | 928.16                                   | -                | -                                      | 928.16             | 464.08                    | -            | 1,392.24          |                     |                              | TRAD             |
| 524591                              | * CENTER INNOVATIVE TECHNOLOGY | DHALI, S.                                 | 4054 | 3,507.79                      | -  | -                | -                                      | 3,507.79           | -                         | -            | 3,507.79          |                     |                              | TRAD             |
| 533451                              | * CENTER INNOVATIVE TECHNOLOGY | DHALI, S.                                 | 4054 | 3,048.26                      | -  | -                | -                                      | 3,048.26           | -                         | -            | 3,048.26          |                     |                              | TRAD             |
| 722461                              | * HAMPTON UNIVERSITY           | DHALI, S.                                 | 4054 | 2,809.65                      | -  | -                | -                                      | 2,809.65           | 786.70                    | -            | 3,596.35          |                     |                              | TRAD             |
| 734301                              | * DOMINION RESOURCES SERVICES  | DHALI, S.                                 | 4054 | 23,873.56                     | 8,427.00                                 | 218.72           | -                                      | 32,519.28          | 17,119.30                 | -            | 49,638.58         |                     |                              | TRAD             |
| 735051                              | NATL INST AEROSPACE ASSOC      | GONZALEZ, O.                              | 4054 | 14,514.66                     | -  | -                | -                                      | 14,514.66          | 3,773.83                  | -            | 18,288.49         |                     |                              | TRAD             |
| 130171                              | NASA-LANGLEY RESEARCH CENTER   | IFTEKHARUDDIN, K.                         | 4054 | -                             | -  | 90,000.00        | -                                      | 90,000.00          | -                         | -            | 90,000.00         |                     |                              | TRAD             |
| 325121                              | US PUBLIC HEALTH SERVICE       | IFTEKHARUDDIN, K.                         | 4054 | 25,247.52                     | 10,237.65                                | -                | 31,180.24                              | 66,665.41          | 18,807.14                 | -            | 85,472.55         |                     |                              | TRAD             |
| 331671                              | NATL SCIENCE FOUNDATION        | IFTEKHARUDDIN, K.                         | 4054 | 5,074.64                      | -  | -                | -                                      | 5,074.64           | 2,689.56                  | -            | 7,764.20          |                     |                              | TRAD             |
| 726451                              | * URS CONSULTANTS              | IFTEKHARUDDIN, K.                         | 4054 | 3,570.11                      | -  | -                | -                                      | 3,570.11           | 1,892.16                  | -            | 5,462.26          |                     |                              | TRAD             |
| 735831                              | LAWRENCE LIVERMORE NATL LAB    | IFTEKHARUDDIN, K.                         | 4054 | 30,504.95                     | 2,829.58                                 | -                | -                                      | 33,334.53          | 17,667.30                 | -            | 51,001.83         |                     |                              | TRAD             |
| 235481                              | OFFICE OF NAVAL RESEARCH       | JOSHI, R.                                 | 4054 | 12,786.94                     | 5,100.00                                 | -                | -                                      | 17,886.94          | 10,732.17                 | -            | 28,619.11         |                     |                              | TRAD             |
| 326261                              | * NATL SCIENCE FOUNDATION      | JOSHI, R.                                 | 4054 | 7,084.84                      | 675.89                                   | -                | -                                      | 7,760.72           | 4,113.18                  | -            | 11,873.91         |                     |                              | TRAD             |
| 517481                              | NORFOLK STATE UNIVERSITY       | JOSHI, R.                                 | 4054 | 17,865.55                     | -  | -                | -                                      | 17,865.55          | 10,719.32                 | -            | 28,584.87         |                     |                              | TRAD             |
| 310981                              | NATL SCIENCE FOUNDATION        | KRUSIENSKI, D.                            | 4054 | 68,080.74                     | 9,559.25                                 | -                | -                                      | 77,639.99          | 38,820.01                 | -            | 116,460.00        |                     |                              | TRAD             |
| 515471                              | WADSWORTH CENTER               | KRUSIENSKI, D.                            | 4054 | 5,265.67                      | 624.99                                   | -                | -                                      | 5,890.66           | 2,945.34                  | -            | 8,836.00          |                     |                              | TRAD             |
| 735131                              | COVIDIEN SURGICAL SOLUTIONS    | LAROUSSE, M.                              | 4054 | 27,639.08                     | 3,811.25                                 | -                | -                                      | 31,450.33          | 16,668.67                 | -            | 48,119.00         |                     |                              | TRAD             |
| 723421                              | INTELLIGENT AUTOMATION, INC.   | LI, J.                                    | 4054 | 5,190.26                      | -  | -                | -                                      | 5,190.26           | 2,750.84                  | -            | 7,941.10          |                     |                              | TRAD             |
| 734211                              | INTELLIGENT AUTOMATION, INC.   | LI, J.                                    | 4054 | -                             | -  | -                | 9,811.00                               | 9,811.00           | 5,200.00                  | -            | 15,011.00         |                     |                              | TRAD             |
| 524591                              | * CENTER INNOVATIVE TECHNOLOGY | MARSILLAC, S.                             | 4054 | 3,507.79                      | -  | -                | -                                      | 3,507.79           | -                         | -            | 3,507.79          |                     |                              | TRAD             |
| 533451                              | * CENTER INNOVATIVE TECHNOLOGY | MARSILLAC, S.                             | 4054 | 2,438.61                      | -  | -                | -                                      | 2,438.61           | -                         | -            | 2,438.61          |                     |                              | TRAD             |
| 734301                              | * DOMINION RESOURCES SERVICES  | MARSILLAC, S.                             | 4054 | 35,810.33                     | 12,640.51                                | 328.09           | -                                      | 48,778.93          | 25,678.94                 | -            | 74,457.87         |                     |                              | TRAD             |
| 512401                              | * UNIVERSITY OF MINNESOTA      | XIAO, S.                                  | 4054 | -                             | 928.16                                   | -                | -                                      | 928.16             | 464.08                    | -            | 1,392.24          |                     |                              | TRAD             |
| 523471                              | ODU                            | XIAO, S.                                  | 4054 | -                             | -  | (1,315.43)       | -                                      | (1,315.43)         | -                         | -            | (1,315.43)        |                     |                              | TRAD             |
| 534431                              | UNIVERSITY OF ILLIONIS         | XIAO, S.                                  | 4054 | 24,602.47                     | 864.61                                   | -                | -                                      | 25,467.08          | 13,497.56                 | -            | 38,964.64         |                     |                              | TRAD             |
| 533541                              | ODU                            | ZEMLIN, C.                                | 4054 | 31,241.85                     | 9,496.39                                 | -                | -                                      | 40,738.24          | -                         | -            | 40,738.24         |                     |                              | TRAD             |
| <b>4054 Total</b>                   |                                |   |      | <b>394,369.81</b>             | <b>72,211.49</b>                         | <b>89,231.38</b> | <b>40,991.24</b>                       | <b>596,803.92</b>  | <b>207,991.86</b>         | <b>-</b>     | <b>804,795.77</b> |                     | <b>34.85%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT   | PROJECT DIRECT COST           |  |                  |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|--------------------------------|---|--------|-------------------------------|--|------------------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|   |                                |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| Electrical and Computer Engineering - ARC - Applied Research Center               |                                |   |        |                               |  |                  |  |                    |                           |              |                     |                              |                  |
| 323291  | * NATL SCIENCE FOUNDATION      | BAUMGART, H.                              | 4054.1 | 1,136.81                      | 127.40                                   | 392.03           | -                                      | 1,656.24           | 670.03                    | -            | 2,326.27            |                              | ARC              |
| 336201  | NATL INSTITUTE-STANDARDS/TECH  | BAUMGART, H.                              | 4054.1 | 15,266.00                     | -  | -                | -                                      | 15,266.00          | 3,969.17                  | -            | 19,235.17           |                              | ARC              |
| 533491  | * CENTER INNOVATIVE TECHNOLOGY | BAUMGART, H.                              | 4054.1 | 6,530.55                      | 3,562.93                                 | -                | -                                      | 10,093.48          | 3,028.05                  | -            | 13,121.53           |                              | ARC              |
| 534421  | UNIVERSITY OF VIRGINIA         | BAUMGART, H.                              | 4054.1 | 11,224.22                     | -  | -                | -                                      | 11,224.22          | -                         | -            | 11,224.22           |                              | ARC              |
| 536281  | UNIVERSITY OF VIRGINIA         | BAUMGART, H.                              | 4054.1 | -                             | 989.58                                   | -                | -                                      | 989.58             | -                         | -            | 989.58              |                              | ARC              |
| 724821  | MICROXACT, INC.                | BAUMGART, H.                              | 4054.1 | 17,151.81                     | 6,509.08                                 | 18,691.59        | -                                      | 42,352.48          | 6,151.84                  | -            | 48,504.32           |                              | ARC              |
| 125241  | NASA-LANGLEY RESEARCH CENTER   | ELSAYED-ALI, H.                           | 4054.1 | (0.20)                        | -  | -                | -                                      | (0.20)             | (0.15)                    | -            | (0.35)              |                              | ARC              |
| 130241  | NASA-LANGLEY RESEARCH CENTER   | ELSAYED-ALI, H.                           | 4054.1 | 70,809.34                     | 987.37                                   | -                | -                                      | 71,796.71          | 18,667.13                 | -            | 90,463.84           |                              | ARC              |
| 192131  | NASA-LANGLEY RESEARCH CENTER   | ELSAYED-ALI, H.                           | 4054.1 | 4,199.54                      | -  | -                | -                                      | 4,199.54           | 1,091.88                  | -            | 5,291.42            |                              | ARC              |
| 515911  | NORFOLK STATE UNIVERSITY       | ELSAYED-ALI, H.                           | 4054.1 | 285.75                        | 1,235.00                                 | -                | -                                      | 1,520.75           | 760.38                    | -            | 2,281.13            |                              | ARC              |
| 532101  | ELIZABETH CITY STATE UNIVERSIT | ELSAYED-ALI, H.                           | 4054.1 | 420.37                        | 1,100.00                                 | -                | -                                      | 1,520.37           | 805.79                    | -            | 2,326.16            |                              | ARC              |
| 712335  | JEFFERSON SCIENCE ASSOCIATES   | ELSAYED-ALI, H.                           | 4054.1 | 8,364.12                      | -  | -                | -                                      | 8,364.12           | -                         | -            | 8,364.12            |                              | ARC              |
| 323291  | * NATL SCIENCE FOUNDATION      | ELSAYED-ALI, H.                           | 4054.1 | 9,094.50                      | 1,019.20                                 | 3,136.20         | -                                      | 13,249.90          | 5,360.26                  | -            | 18,610.16           |                              | ARC              |
| 523941  | * ODU                          | ELSAYED-ALI, H.                           | 4054.1 | -                             | -  | -                | (1.79)                                 | (1.79)             | -                         | -            | (1.79)              |                              | ARC              |
| 533491  | * CENTER INNOVATIVE TECHNOLOGY | ELSAYED-ALI, H.                           | 4054.1 | 6,338.48                      | 3,458.14                                 | -                | -                                      | 9,796.62           | 2,938.99                  | -            | 12,735.60           |                              | ARC              |
| 316341  | US DEPT OF ENERGY              | MARSILLAC, S.                             | 4054.1 | 20,975.07                     | 17,653.79                                | 3,003.46         | 43,555.78                              | 85,188.10          | 20,473.30                 | -            | 105,661.40          |                              | ARC              |
| 325871  | * NATL SCIENCE FOUNDATION      | MARSILLAC, S.                             | 4054.1 | 334.78                        | 108.59                                   | -                | -                                      | 443.38             | 234.99                    | -            | 678.36              |                              | ARC              |
| 524351  | UNIVERSITY OF ILLIONIS         | MARSILLAC, S.                             | 4054.1 | 65,600.34                     | 16,542.34                                | -                | -                                      | 82,142.68          | 43,535.62                 | -            | 125,678.30          |                              | ARC              |
| 325871  | * NATL SCIENCE FOUNDATION      | NAMKOONG, G.                              | 4054.1 | 1,088.05                      | 352.92                                   | -                | -                                      | 1,440.97           | 763.71                    | -            | 2,204.68            |                              | ARC              |
| 323291  | * NATL SCIENCE FOUNDATION      | NAMKOONG, G.                              | 4054.1 | 1,136.81                      | 127.40                                   | 392.03           | -                                      | 1,656.24           | 670.03                    | -            | 2,326.27            |                              | ARC              |
| 533491  | * CENTER INNOVATIVE TECHNOLOGY | NAMKOONG, G.                              | 4054.1 | 6,338.48                      | 3,458.14                                 | -                | -                                      | 9,796.62           | 2,938.99                  | -            | 12,735.60           |                              | ARC              |
| <b>4054.1 Total</b>   |                                |   |        | <b>246,294.81</b>             | <b>57,231.90</b>                         | <b>25,615.30</b> | <b>43,553.99</b>                       | <b>372,696.00</b>  | <b>112,060.01</b>         | <b>-</b>     | <b>484,756.01</b>   | <b>30.07%</b>                |                  |
| Electrical and Computer Engineering - CBE - Frank Reidy Center for Bioelectronics |                                |   |        |                               |  |                  |  |                    |                           |              |                     |                              |                  |
| 213941  | * ARMY MED RES COMMAND         | KOLB, J.                                  | 4054.2 | 6,774.37                      | 3,185.83                                 | -                | -                                      | 9,960.20           | 5,662.38                  | -            | 15,622.58           |                              | CBE              |
| 302401  | * US PUBLIC HEALTH SERVICE     | XIAO, S.                                  | 4054.2 | 4,299.12                      | 1,290.19                                 | -                | -                                      | 5,589.31           | 2,794.66                  | -            | 8,383.97            |                              | CBE              |
| 786306  | * GENERAL DYNAMICS             | XIAO, S.                                  | 4054.2 | 25,708.42                     | 997.72                                   | 922.60           | -                                      | 27,628.73          | 13,353.08                 | -            | 40,981.82           |                              | CBE              |
| 533691  | EASTERN VIRGINIA MED. SCHOOL   | ZEMPLIN, C.                               | 4054.2 | 19,054.43                     | -  | -                | -                                      | 19,054.43          | -                         | -            | 19,054.43           |                              | CBE              |
| <b>4054.2 Total</b>   |                                |   |        | <b>55,836.34</b>              | <b>5,473.74</b>                          | <b>922.60</b>    | <b>-</b>                               | <b>62,232.68</b>   | <b>21,810.12</b>          | <b>-</b>     | <b>84,042.80</b>    | <b>35.05%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER   | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |        | PROJECT DIRECT COST           |  |               |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|--|----------------------------------|--|--------|-------------------------------|--|---------------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|  |                                  |  |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT     | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| Mechanical and Aerospace Engineering                                 |                                  |  |        |                               |  |               |  |                    |                           |              |                     |                              |                  |
| 731401   | SCIENCE APPLICATIONS INTL CORP   | ALBERTS, T.                                    | 4057   | -                             | (350.44)                                 | -             | -                                      | (350.44)           | (185.73)                  | -            | (536.17)            |                              | TRAD             |
| 391471   | * NATL SCIENCE FOUNDATION        | BAO, H.  | 4057   | 3,726.09                      | 1,347.40                                 | -             | -                                      | 5,073.49           | 2,536.75                  | -            | 7,610.23            |                              | TRAD             |
| 502534   | * UNIV MICH DEPT NAT RESOURCES   | BAO, H.  | 4057   | 14,487.63                     | 30.24                                    | 288.27        | -                                      | 14,806.14          | 7,694.47                  | -            | 22,500.61           |                              | TRAD             |
| 710552   | * CHILDRENÆS SURGICAL SPEC GROUP | BAWAB, S.                                      | 4057   | 6,239.29                      | 1,534.85                                 | -             | -                                      | 7,774.14           | 4,120.30                  | -            | 11,894.44           |                              | TRAD             |
| 331061   | * NATL SCIENCE FOUNDATION        | BESKOK, A.                                     | 4057   | 4,451.45                      | 2,370.03                                 | -             | -                                      | 6,821.48           | 3,615.38                  | -            | 10,436.86           |                              | TRAD             |
| 231621   | * NAVAIR TRAIN SYSTEM DIV        | BRITCHER, C.                                   | 4057   | 4,660.47                      | -  | -             | -                                      | 4,660.47           | 2,796.28                  | -            | 7,456.74            |                              | TRAD             |
| 734881   | NATL INST AEROSPACE ASSOC        | BRITCHER, C.                                   | 4057   | -                             | 5,387.96                                 | -             | -                                      | 5,387.96           | -                         | -            | 5,387.96            |                              | TRAD             |
| 784682   | NATL INST AEROSPACE ASSOC        | BRITCHER, C.                                   | 4057   | -                             | (156.22)                                 | -             | -                                      | (156.22)           | (40.62)                   | -            | (196.84)            |                              | TRAD             |
| 784690   | NATL INST AEROSPACE ASSOC        | BRITCHER, C.                                   | 4057   | 5,631.85                      | -  | -             | -                                      | 5,631.85           | 1,464.28                  | -            | 7,096.13            |                              | TRAD             |
| 306021   | * NATL SCIENCE FOUNDATION        | CHATURVEDI, S.                                 | 4057   | 4,487.13                      | -  | -             | 136.00                                 | 4,623.13           | 2,243.57                  | -            | 6,866.70            |                              | TRAD             |
| 733861   | * LMI                            | CREEDON, J.                                    | 4057   | 64,054.64                     | 2,438.61                                 | -             | -                                      | 66,493.26          | 35,241.42                 | -            | 101,734.67          |                              | TRAD             |
| 742341   | LMI                              | CREEDON, J.                                    | 4057   | 2,846.07                      | -  | -             | -                                      | 2,846.07           | 1,508.42                  | -            | 4,354.49            |                              | TRAD             |
| 383992   | NATL SCIENCE FOUNDATION          | HAO, J.  | 4057   | 2,850.25                      | -  | -             | -                                      | 2,850.25           | 712.56                    | -            | 3,562.81            |                              | TRAD             |
| 331061   | * NATL SCIENCE FOUNDATION        | HAO, J.  | 4057   | 8,266.98                      | 4,401.48                                 | -             | -                                      | 12,668.45          | 6,714.28                  | -            | 19,382.73           |                              | TRAD             |
| 383991   | * NATL SCIENCE FOUNDATION        | HAO, J.  | 4057   | 24,961.23                     | 1,716.53                                 | -             | -                                      | 26,677.76          | 11,204.66                 | -            | 37,882.41           |                              | TRAD             |
| 326261   | * NATL SCIENCE FOUNDATION        | Hou, G.  | 4057   | 7,084.84                      | 675.89                                   | -             | -                                      | 7,760.72           | 4,113.18                  | -            | 11,873.91           |                              | TRAD             |
| 383991   | * NATL SCIENCE FOUNDATION        | Hou, G.  | 4057   | 10,697.67                     | 735.65                                   | -             | -                                      | 11,433.32          | 4,802.00                  | -            | 16,235.32           |                              | TRAD             |
| 722461   | * HAMPTON UNIVERSITY             | Hou, G.  | 4057   | 2,247.72                      | -  | -             | -                                      | 2,247.72           | 629.36                    | -            | 2,877.08            |                              | TRAD             |
| 502534   | * UNIV MICH DEPT NAT RESOURCES   | HOU, G.  | 4057   | 14,487.63                     | 30.24                                    | 288.27        | -                                      | 14,806.14          | 7,694.47                  | -            | 22,500.61           |                              | TRAD             |
| 502534   | * UNIV MICH DEPT NAT RESOURCES   | KOTINIS, M.                                    | 4057   | 14,487.63                     | 30.24                                    | 288.27        | -                                      | 14,806.14          | 7,694.47                  | -            | 22,500.61           |                              | TRAD             |
| 231621   | * NAVAIR TRAIN SYSTEM DIV        | LANDMAN, D.                                    | 4057   | 6,990.70                      | -  | -             | -                                      | 6,990.70           | 4,194.41                  | -            | 11,185.12           |                              | TRAD             |
| 735421   | NATL INST AEROSPACE ASSOC        | LANDMAN, D.                                    | 4057   | 3,103.39                      | -  | -             | -                                      | 3,103.39           | 806.87                    | -            | 3,910.26            |                              | TRAD             |
| 784688   | NATL INST AEROSPACE ASSOC        | LANDMAN, D.                                    | 4057   | 21,463.65                     | -  | -             | -                                      | 21,463.65          | 5,580.54                  | -            | 27,044.19           |                              | TRAD             |
| 722461   | * HAMPTON UNIVERSITY             | LUETKE, N.                                     | 4057   | 2,247.72                      | -  | -             | -                                      | 2,247.72           | 629.36                    | -            | 2,877.08            |                              | TRAD             |
| 306021   | * NATL SCIENCE FOUNDATION        | PRABHAKARAN, R.                                | 4057   | 2,375.54                      | -  | -             | 72.00                                  | 2,447.54           | 1,187.77                  | -            | 3,635.31            |                              | TRAD             |
| 702971   | * ADV ANTI-TERROR TECHNOLOGIES   | RINGLEB, S.                                    | 4057   | 10,833.70                     | 4,283.75                                 | -             | 657.50                                 | 15,774.94          | 7,558.72                  | -            | 23,333.66           |                              | TRAD             |
| 733441   | INTL SOCIETY OF BIOMECHANICS     | RINGLEB, S.                                    | 4057   | -                             | 1,000.00                                 | -             | -                                      | 1,000.00           | -                         | -            | 1,000.00            |                              | TRAD             |
| 786782   | * ADV ANTI-TERROR TECHNOLOGIES   | RINGLEB, S.                                    | 4057   | -                             | -  | -             | 1,525.06                               | 1,525.06           | 779.81                    | -            | 2,304.88            |                              | TRAD             |
| <b>4057 Total</b>  |                                  |  |        | <b>242,683.25</b>             | <b>25,476.20</b>                         | <b>864.80</b> | <b>2,390.56</b>                        | <b>271,414.82</b>  | <b>125,296.98</b>         | <b>-</b>     | <b>396,711.80</b>   | <b>46.16%</b>                |                  |
| Mechanical and Aerospace Engineering - ARC - Applied Research Center |                                  |  |        |                               |  |               |  |                    |                           |              |                     |                              |                  |
| 712332   | JEFFERSON SCIENCE ASSOCIATES     | ELMUSTAFA, A.                                  | 4057.1 | 23,888.09                     | -  | -             | -                                      | 23,888.09          | -                         | -            | 23,888.09           |                              | ARC              |
| <b>4057.1 Total</b>  |                                  |  |        | <b>23,888.09</b>              | <b>-</b>                                 | <b>-</b>      | <b>-</b>                               | <b>23,888.09</b>   | <b>-</b>                  | <b>-</b>     | <b>23,888.09</b>    | <b>0.00%</b>                 |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT                | PROJECT DIRECT COST           |  |               |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |        |
|---|----------------------------------|---|---------------------|-------------------------------|--|---------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|--------|
|   |                                  |   |                     | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT     | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |        |
| <b>Engineering Technology</b>   |                                  |   |                     |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |        |
| 533451  | * CENTER INNOVATIVE TECHNOLOGY   | FLORY, I.                                 | 4059                | 609.65                        | -  | -             | -                                      | 609.65             | -                         | -            | 609.65            |                     |                              |                  | TRAD   |
| 311641  | * NATL SCIENCE FOUNDATION        | HSIUNG, S.                                | 4059                | 8,377.24                      | 15,971.80                                | -             | 25,741.79                              | 50,090.83          | 12,174.52                 | -            | 62,265.35         |                     |                              |                  | TRAD   |
| 311641  | * NATL SCIENCE FOUNDATION        | JONES, R.                                 | 4059                | 4,188.62                      | 7,985.90                                 | -             | 12,870.90                              | 25,045.41          | 6,087.26                  | -            | 31,132.67         |                     |                              |                  | TRAD   |
| 726451  | * URS CONSULTANTS                | LAWRENCE, R.                              | 4059                | 3,570.11                      | -  | -             | -                                      | 3,570.11           | 1,892.16                  | -            | 5,462.26          |                     |                              |                  | TRAD   |
| 522941  | * LONGWOOD UNIVERSITY            | LAWRENCE, R.                              | 4059                | 3,630.09                      | 3.34                                     | -             | 1,000.00                               | 4,633.43           | 290.68                    | -            | 4,924.11          |                     |                              |                  | TRAD   |
| 536001  | * LONGWOOD UNIVERSITY            | LAWRENCE, R.                              | 4059                | 2,020.97                      | 34.53                                    | -             | 1,185.68                               | 3,241.18           | 164.44                    | -            | 3,405.62          |                     |                              |                  | TRAD   |
| 502534  | * UNIV MICH DEPT NAT RESOURCES   | MICHAELI, J.                              | 4059                | 14,487.63                     | 30.24                                    | 288.27        | -                                      | 14,806.14          | 7,694.47                  | -            | 22,500.61         |                     |                              |                  | TRAD   |
| 712334  | JEFFERSON SCIENCE ASSOCIATES     | TOMOVIC, M.                               | 4059                | 11,410.49                     | -  | -             | -                                      | 11,410.49          | -                         | -            | 11,410.49         |                     |                              |                  | TRAD   |
| 391471  | * NATL SCIENCE FOUNDATION        | VERMA, A.                                 | 4059                | 9,049.07                      | 3,272.26                                 | -             | -                                      | 12,321.33          | 6,160.67                  | -            | 18,482.00         |                     |                              |                  | TRAD   |
| 522941  | * LONGWOOD UNIVERSITY            | VERMA, A.                                 | 4059                | 3,630.09                      | 3.34                                     | -             | 1,000.00                               | 4,633.43           | 290.68                    | -            | 4,924.11          |                     |                              |                  | TRAD   |
| 536001  | * LONGWOOD UNIVERSITY            | VERMA, A.                                 | 4059                | 8,083.89                      | 138.10                                   | -             | 4,742.72                               | 12,964.71          | 657.75                    | -            | 13,622.46         |                     |                              |                  | TRAD   |
| 730771  | * WORLD TECH INTERNATIONAL, LLC  | WALK, S.                                  | 4059                | 799.32                        | -  | -             | -                                      | 799.32             | -                         | -            | 799.32            |                     |                              |                  | TRAD   |
|   |                                  |   | <b>4059 Total</b>   | <b>69,857.15</b>              | <b>27,439.51</b>                         | <b>288.27</b> | <b>46,541.09</b>                       | <b>144,126.02</b>  | <b>35,412.61</b>          | <b>-</b>     | <b>179,538.63</b> |                     | <b>24.57%</b>                |                  |        |
| <b>Engineering Technology - ARC - Applied Research Center</b>                               |                                  |   |                     |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |        |
| 784686  | NATL INST AEROSPACE ASSOC        | LAWRENCE, R.                              | 4059.1              | 30,075.27                     | -  | -             | -                                      | 30,075.27          | 7,819.57                  | -            | 37,894.84         |                     |                              |                  | ARC    |
| 735361  | * NATL INST AEROSPACE ASSOC      | LAWRENCE, R.                              | 4059.1              | 1,454.35                      | -  | -             | -                                      | 1,454.35           | 378.13                    | -            | 1,832.47          |                     |                              |                  | ARC    |
| 704661  | NATL INST AEROSPACE ASSOC        | LAWRENCE, R.                              | 4059.1              | 1,034.64                      | 6,000.00                                 | -             | -                                      | 7,034.64           | 3,517.32                  | -            | 10,551.96         |                     |                              |                  | ARC    |
|   |                                  |   | <b>4059.1 Total</b> | <b>32,564.26</b>              | <b>6,000.00</b>                          | <b>-</b>      | <b>-</b>                               | <b>38,564.26</b>   | <b>11,715.02</b>          | <b>-</b>     | <b>50,279.27</b>  |                     | <b>30.38%</b>                |                  |        |
| <b>Engineering Management</b>   |                                  |   |                     |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |        |
| 736331  | SYSTEMS ENGINUITY, INC.          | GHEORGHE, A.                              | 4060                | -                             | -  | -             | 5,000.00                               | 5,000.00           | -                         | -            | 5,000.00          |                     |                              |                  | TRAD   |
| 733021  | ALION SCIENCE & TECHNOLOGY COR   | HANDLEY, H.                               | 4060                | 56,782.05                     | 2,536.28                                 | -             | 9,602.00                               | 68,920.33          | 31,438.71                 | -            | 100,359.04        |                     |                              |                  | TRAD   |
| 736711  | * EXSTRATEGIES, INC.             | HANDLEY, H.                               | 4060                | 9,985.39                      | -  | -             | -                                      | 9,985.39           | 5,292.26                  | -            | 15,277.66         |                     |                              |                  | TRAD   |
| 522771  | * VA INST OF MARINE SCIENCE      | PINTO, C.                                 | 4060                | 7,373.23                      | 604.06                                   | -             | -                                      | 7,977.28           | 4,227.97                  | -            | 12,205.26         |                     |                              |                  | TRAD   |
| 736711  | * EXSTRATEGIES, INC.             | PINTO, C.                                 | 4060                | 6,656.93                      | -  | -             | -                                      | 6,656.93           | 3,528.18                  | -            | 10,185.10         |                     |                              |                  | TRAD   |
| 282020  | * NAVSUP FLEET LOGISTICS NORFOLK | TOLK, A.                                  | 4064                | 5,898.17                      | 285.68                                   | 104.58        | -                                      | 6,288.42           | 2,597.22                  | -            | 8,885.64          |                     |                              |                  | TRAD   |
|   |                                  |   | <b>4060 Total</b>   | <b>86,695.77</b>              | <b>3,426.01</b>                          | <b>104.58</b> | <b>14,602.00</b>                       | <b>104,828.36</b>  | <b>47,084.34</b>          | <b>-</b>     | <b>151,912.70</b> |                     | <b>44.92%</b>                |                  |        |
| <b>Engineering Management - NCSOSE - National Centers for System of Systems Engineering</b> |                                  |   |                     |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |        |
| 301491  | * US DEPT HOMELAND SECURITY      | HESTER, P.                                | 4060.4              | 30,107.12                     | 31,258.75                                | -             | -                                      | 61,365.87          | 30,682.94                 | -            | 92,048.81         |                     |                              |                  | NCSOSE |
| 204531  | * SPACE AND NAVAL WARFARE SYSTEM | KEATING, C.                               | 4060.4              | 2,683.21                      | 510.00                                   | -             | -                                      | 3,193.21           | 1,915.92                  | -            | 5,109.13          |                     |                              |                  | NCSOSE |
| 301491  | * US DEPT HOMELAND SECURITY      | KEATING, C.                               | 4060.4              | 5,313.02                      | 5,516.25                                 | -             | -                                      | 10,829.27          | 5,414.64                  | -            | 16,243.91         |                     |                              |                  | NCSOSE |
|   |                                  |   | <b>4060.4 Total</b> | <b>38,103.35</b>              | <b>37,285.00</b>                         | <b>-</b>      | <b>-</b>                               | <b>75,388.35</b>   | <b>38,013.50</b>          | <b>-</b>     | <b>113,401.85</b> |                     | <b>50.42%</b>                |                  |        |
| <b>NCSOSE - National Centers for System of Systems Engineering</b>                          |                                  |   |                     |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |        |
| 726451  | * URS CONSULTANTS                | ADAMS, K.                                 | 4063.4              | 7,140.21                      | -  | -             | -                                      | 7,140.21           | 3,784.31                  | -            | 10,924.52         |                     |                              |                  | NCSOSE |
| 727461  | URS CONSULTANTS                  | BRADLEY, J.                               | 4063.4              | 16,344.94                     | -  | -             | -                                      | 16,344.94          | 4,249.68                  | -            | 20,594.62         |                     |                              |                  | NCSOSE |
| 732581  | SPATIAL INTEGRATED SYSTEMS       | BRADLEY, J.                               | 4063.4              | 10,067.16                     | -  | -             | -                                      | 10,067.16          | 2,617.46                  | -            | 12,684.62         |                     |                              |                  | NCSOSE |
| 100710  | PRIVATE SPONSORS                 | KEATING, C.                               | 4063.4              | -                             | 471.60                                   | -             | -                                      | 471.60             | -                         | -            | 471.60            |                     |                              |                  | NCSOSE |
|   |                                  |   | <b>4063.4 Total</b> | <b>33,552.31</b>              | <b>471.60</b>                            | <b>-</b>      | <b>-</b>                               | <b>34,023.91</b>   | <b>10,651.45</b>          | <b>-</b>     | <b>44,675.36</b>  |                     | <b>31.31%</b>                |                  |        |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER   | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT   | PROJECT DIRECT COST           |  |              |  |                    | PROJECT IDC AND FEES      |              |                     | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |  |
|--|----------------------------------|---|--------|-------------------------------|--|--------------|--|--------------------|---------------------------|--------------|---------------------|---------------------|------------------------------|------------------|--|
|  |                                  |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT    | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                     |                     |                              |                  |  |
| Modeling, Simulation and Visualization Engineering         |                                  |   |        |                               |  |              |  |                    |                           |              |                     |                     |                              |                  |  |
| 733161   | JEFFRESS RESEARCH GRANTS PGM.    | AUDETTE, M.                               | 4075   | 19,940.19                     | 2,688.35                                 | -            | -                                      | 22,628.54          | -                         | -            | 22,628.54           |                     |                              | TRAD             |  |
| 716522   | * WR SYSTEMS LTD                 | LEATHRUM, J.                              | 4075   | 17,506.14                     | -  | -            | -                                      | 17,506.14          | 9,278.26                  | -            | 26,784.40           |                     |                              | TRAD             |  |
| 716522   | * WR SYSTEMS LTD                 | MIELKE, R.                                | 4075   | 11,670.76                     | -  | -            | -                                      | 11,670.76          | 6,185.50                  | -            | 17,856.26           |                     |                              | TRAD             |  |
| 204531   | * SPACE AND NAVAL WARFARE SYSTEM | MADAN, B.                                 | 4075   | 2,604.29                      | 495.00                                   | -            | -                                      | 3,099.29           | 1,859.57                  | -            | 4,958.86            |                     |                              | TRAD             |  |
| 306021   | * NATL SCIENCE FOUNDATION        | MCKENZIE, F.                              | 4075   | 2,375.54                      | -  | -            | 72.00                                  | 2,447.54           | 1,187.77                  | -            | 3,635.31            |                     |                              | TRAD             |  |
| 710552   | * CHILDRENÆS SURGICAL SPEC GROUP | MCKENZIE, F.                              | 4075   | 35,355.98                     | 8,697.51                                 | -            | -                                      | 44,053.49          | 23,348.35                 | -            | 67,401.84           |                     |                              | TRAD             |  |
| 710553   | CHILDRENÆS SURGICAL SPEC GROUP   | MCKENZIE, F.                              | 4075   | -                             | 1,373.30                                 | -            | -                                      | 1,373.30           | -                         | -            | 1,373.30            |                     |                              | TRAD             |  |
| 726291   | * OPPORTUNITY, INC.              | MIELKE, R.                                | 4075   | 879.41                        | -  | -            | 606.66                                 | 1,486.07           | 87.94                     | -            | 1,574.01            |                     |                              | TRAD             |  |
| 521703   | UNIVERSITY OF IDAHO              | NG, M.                                    | 4075   | 5,281.93                      | -  | -            | -                                      | 5,281.93           | 2,799.42                  | -            | 8,081.35            |                     |                              | TRAD             |  |
| 533011   | UNIVERSITY OF VIRGINIA           | NG, M.                                    | 4075   | 22,042.56                     | 656.72                                   | -            | -                                      | 22,699.28          | -                         | -            | 22,699.28           |                     |                              | TRAD             |  |
| 514421   | * VA DEPT OF TRANSPORTATION      | NG, M.                                    | 4075   | -                             | -  | -            | 9.26                                   | 9.26               | 0.96                      | -            | 10.22               |                     |                              | TRAD             |  |
| 730771   | * WORLD TECH INTERNATIONAL, LLC  | SHEN, Y.                                  | 4075   | 775.81                        | -  | -            | -                                      | 775.81             | -                         | -            | 775.81              |                     |                              | TRAD             |  |
| 527051   | IOWA STATE UNIVERSITY            | SOSONKINA, M.                             | 4075   | 8,861.97                      | 3,215.04                                 | -            | -                                      | 12,077.01          | 6,400.81                  | -            | 18,477.82           |                     |                              | TRAD             |  |
| 527611   | IOWA STATE UNIVERSITY            | SOSONKINA, M.                             | 4075   | 50,011.21                     | 12,209.47                                | -            | -                                      | 62,220.68          | 32,976.98                 | -            | 95,197.66           |                     |                              | TRAD             |  |
| 532161   | IOWA STATE UNIVERSITY            | SOSONKINA, M.                             | 4075   | 8,231.07                      | 5,313.50                                 | -            | -                                      | 13,544.57          | 7,178.62                  | -            | 20,723.19           |                     |                              | TRAD             |  |
| 533561   | * ODU                            | SOSONKINA, M.                             | 4075   | 7,929.21                      | -  | -            | -                                      | 7,929.21           | -                         | -            | 7,929.21            |                     |                              | TRAD             |  |
| <b>4075 Total</b>  |                                  |   |        | <b>193,466.07</b>             | <b>34,648.89</b>                         | <b>-</b>     | <b>687.92</b>                          | <b>228,802.87</b>  | <b>91,304.19</b>          | <b>-</b>     | <b>320,107.06</b>   |                     | <b>39.91%</b>                |                  |  |
| Modeling, Simulation and Visualization Engineering - VMASC |                                  |   |        |                               |  |              |  |                    |                           |              |                     |                     |                              |                  |  |
| NO AGENCY ASSIGNED   |                                  | SOKOLOWSKI, J.                            |        | -                             | 774.75                                   | -            | -                                      | 774.75             | -                         | -            | 774.75              |                     |                              | VMASC            |  |
| 222321   | OFFICE OF SECRETARY OF DEFENSE   | SOKOLOWSKI, J.                            | 4075.3 | 72,660.09                     | -  | -            | -                                      | 72,660.09          | 7,266.01                  | -            | 79,926.10           |                     |                              | VMASC            |  |
| 223101   | MODELING & SIMULATION CO OFF     | SOKOLOWSKI, J.                            | 4075.3 | 85,697.99                     | -  | -            | -                                      | 85,697.99          | 8,569.81                  | -            | 94,267.80           |                     |                              | VMASC            |  |
| 227471   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | -                             | (381.92)                                 | -            | -                                      | (381.92)           | (110.76)                  | -            | (492.68)            |                     |                              | VMASC            |  |
| 232441   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 75,034.60                     | 12,894.30                                | -            | -                                      | 87,928.90          | 8,792.90                  | -            | 96,721.80           |                     |                              | VMASC            |  |
| 282021   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 15,768.93                     | 1,535.60                                 | -            | -                                      | 17,304.53          | 6,056.58                  | -            | 23,361.11           |                     |                              | VMASC            |  |
| 282022   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 28,965.96                     | 7,654.92                                 | -            | -                                      | 36,620.88          | 15,380.78                 | -            | 52,001.66           |                     |                              | VMASC            |  |
| 285513   | NAVAL SURFACE WEAPONS CENTER     | SOKOLOWSKI, J.                            | 4075.3 | 36,656.64                     | -  | -            | -                                      | 36,656.64          | 9,530.73                  | -            | 46,187.37           |                     |                              | VMASC            |  |
| 286034   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 31,054.59                     | -  | -            | -                                      | 31,054.59          | 10,869.11                 | -            | 41,923.70           |                     |                              | VMASC            |  |
| 286035   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 14,772.19                     | 34,064.24                                | -            | -                                      | 48,836.43          | 17,092.75                 | -            | 65,929.18           |                     |                              | VMASC            |  |
| 286036   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 4,520.17                      | 25,000.00                                | -            | 111,111.46                             | 140,631.63         | 10,332.06                 | -            | 150,963.69          |                     |                              | VMASC            |  |
| 286037   | * NAVSUP FLEET LOGISTICS NORFOLK | SOKOLOWSKI, J.                            | 4075.3 | 352.24                        | -  | -            | -                                      | 352.24             | 123.28                    | -            | 475.52              |                     |                              | VMASC            |  |
| 286038   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 956.38                        | 15,616.00                                | -            | -                                      | 16,572.38          | 5,800.32                  | -            | 22,372.70           |                     |                              | VMASC            |  |
| 286039   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | -                             | 24,150.00                                | -            | -                                      | 24,150.00          | 8,452.50                  | -            | 32,602.50           |                     |                              | VMASC            |  |
| 286040   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 956.38                        | 14,160.00                                | -            | -                                      | 15,116.38          | 5,290.72                  | -            | 20,407.10           |                     |                              | VMASC            |  |
| 286042   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 956.38                        | 14,720.00                                | -            | -                                      | 15,676.38          | 5,486.72                  | -            | 21,163.10           |                     |                              | VMASC            |  |
| 286043   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 42,625.72                     | -  | -            | -                                      | 42,625.72          | 14,919.00                 | -            | 57,544.72           |                     |                              | VMASC            |  |
| 286044   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | -                             | 6,847.83                                 | -            | -                                      | 6,847.83           | 2,041.66                  | -            | 8,889.49            |                     |                              | VMASC            |  |
| 286045   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 891.46                        | 11,872.00                                | -            | -                                      | 12,763.46          | 4,467.19                  | -            | 17,230.65           |                     |                              | VMASC            |  |
| 286046   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 956.38                        | 41,779.50                                | -            | -                                      | 42,735.88          | 14,957.55                 | -            | 57,693.43           |                     |                              | VMASC            |  |
| 286047   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 15,884.66                     | -  | -            | -                                      | 15,884.66          | 5,559.64                  | -            | 21,444.30           |                     |                              | VMASC            |  |
| 286048   | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 4075.3 | 14,309.05                     | -  | -            | -                                      | 14,309.05          | 5,008.17                  | -            | 19,317.22           |                     |                              | VMASC            |  |
| 296812   | MODELING & SIMULATION CO OFF     | SOKOLOWSKI, J.                            | 4075.3 | 7,180.28                      | -  | -            | -                                      | 7,180.28           | 718.03                    | -            | 7,898.31            |                     |                              | VMASC            |  |
| 531741   | ODU                              | SOKOLOWSKI, J.                            | 4075.3 | -                             | 2,585.45                                 | -            | 85,818.66                              | 88,404.11          | 1,370.29                  | -            | 89,774.40           |                     |                              | VMASC            |  |
| 531742   | * ODU                            | SOKOLOWSKI, J.                            | 4075.3 | 131.53                        | -  | 75.39        | 74.28                                  | 281.20             | -                         | -            | 281.20              |                     |                              | VMASC            |  |
| 531743   | * ODU                            | SOKOLOWSKI, J.                            | 4075.3 | -                             | -  | -            | 4.85                                   | 4.85               | -                         | -            | 4.85                |                     |                              | VMASC            |  |
| <b>4075.3 Total</b>  |                                  |   |        | <b>450,331.62</b>             | <b>213,272.67</b>                        | <b>75.39</b> | <b>197,009.25</b>                      | <b>860,688.93</b>  | <b>167,975.04</b>         | <b>-</b>     | <b>1,028,663.97</b> |                     | <b>19.52%</b>                |                  |  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                             | SPONSORING AGENCY             | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |                        |  |                         | PROJECT IDC AND FEES      |                        |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |  |
|--|-------------------------------|---|-------------------|-------------------------------|--|------------------------|--|-------------------------|---------------------------|------------------------|---------------------|------------------------------|------------------|--|
|  |                               |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT              | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS      | REIMBURSED INDIRECT COSTS | SPECIAL FEES           | TOTAL PROJECT COSTS |                              |                  |  |
| Virginia Commercial Space Flight Authority |                               |   |                   |                               |  |                        |  |                         |                           |                        |                     |                              |                  |  |
| 184606                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | 3,894.84                      | 2,397.85                                 | -                      | 21,541.41                              | 27,834.10               | 2,872.36                  | -                      | 30,706.46           |                              | VCSFA            |  |
| 184610                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | 4,336.55                      | 3,173.94                                 | -                      | -                                      | 7,510.49                | 3,755.25                  | -                      | 11,265.74           |                              | VCSFA            |  |
| 184613                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | 10,825.53                     | 428,381.15                               | -                      | 78,504.31                              | 517,710.99              | 18,419.94                 | -                      | 536,130.93          |                              | VCSFA            |  |
| 184614                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | -                             | 50,054.28                                | -                      | 285,250.16                             | 335,304.44              | 25,008.14                 | -                      | 360,312.58          |                              | VCSFA            |  |
| 184615                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | 6,911.01                      | 426,926.58                               | -                      | 81,358.28                              | 515,195.87              | 16,244.49                 | -                      | 531,440.36          |                              | VCSFA            |  |
| 184616                                     | NASA-GODDARD SPACEFLIGHT CNTR | NASH, D.                                  | 4711              | -                             | 25,000.00                                | -                      | 166,827.96                             | 191,827.96              | 12,500.00                 | -                      | 204,327.96          |                              | VCSFA            |  |
| 503001                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | 6,147.78                                 | -                      | 114,439.29                             | 120,587.07              | 3,073.89                  | -                      | 123,660.96          |                              | VCSFA            |  |
| 503002                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 14,232.50                              | 14,232.50               | -                         | -                      | 14,232.50           |                              | VCSFA            |  |
| 503005                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | 110.05                                   | -                      | 20,407.23                              | 20,517.28               | 58.33                     | -                      | 20,575.61           |                              | VCSFA            |  |
| 503006                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 1,872,840.00                           | 1,872,840.00            | -                         | -                      | 1,872,840.00        |                              | VCSFA            |  |
| 503007                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | 13,203.26                                | -                      | 109,551.44                             | 122,754.70              | 6,997.73                  | -                      | 129,752.43          |                              | VCSFA            |  |
| 503010                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 15,955.16                              | 15,955.16               | -                         | -                      | 15,955.16           |                              | VCSFA            |  |
| 503012                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 737,067.86                             | 737,067.86              | -                         | -                      | 737,067.86          |                              | VCSFA            |  |
| 503013                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 1,683,356.00                           | 1,683,356.00            | -                         | -                      | 1,683,356.00        |                              | VCSFA            |  |
| 503014                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 76,920.75                              | 76,920.75               | -                         | -                      | 76,920.75           |                              | VCSFA            |  |
| 503015                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 40,624.72                              | 40,624.72               | -                         | -                      | 40,624.72           |                              | VCSFA            |  |
| 503016                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 49,763.21                              | 49,763.21               | -                         | -                      | 49,763.21           |                              | VCSFA            |  |
| 503017                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 384,099.00                             | 384,099.00              | -                         | -                      | 384,099.00          |                              | VCSFA            |  |
| 503018                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 8,645.90                               | 8,645.90                | -                         | -                      | 8,645.90            |                              | VCSFA            |  |
| 503023                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 500,000.00                             | 500,000.00              | -                         | -                      | 500,000.00          |                              | VCSFA            |  |
| 503201                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 476,027.69                             | 476,027.69              | -                         | -                      | 476,027.69          |                              | VCSFA            |  |
| 503301                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 1,500,000.00                           | 1,500,000.00            | -                         | -                      | 1,500,000.00        |                              | VCSFA            |  |
| 503302                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 600,000.00                             | 600,000.00              | -                         | -                      | 600,000.00          |                              | VCSFA            |  |
| 530093                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | -                             | -  | -                      | 18,807.40                              | 18,807.40               | -                         | -                      | 18,807.40           |                              | VCSFA            |  |
| 530094                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | -                             | -  | -                      | 64,471.28                              | 64,471.28               | -                         | -                      | 64,471.28           |                              | VCSFA            |  |
| 530095                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | -                             | -  | -                      | 31,908.09                              | 31,908.09               | -                         | -                      | 31,908.09           |                              | VCSFA            |  |
| 531101                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | -                             | -  | -                      | (80,429.44)                            | (80,429.44)             | -                         | -                      | (80,429.44)         |                              | VCSFA            |  |
| 571686                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | 55,622.22                     | 14,995.54                                | 9,670.95               | 9,786.48                               | 90,075.19               | -                         | -                      | 90,075.19           |                              | VCSFA            |  |
| 571687                                     | VA DEPT OF TRANSPORTATION     | NASH, D.                                  | 4711              | 455,104.01                    | 255,730.27                               | -                      | 16,663.23                              | 727,497.51              | -                         | -                      | 727,497.51          |                              | VCSFA            |  |
| 706221                                     | ORBITAL SCIENCE CORP          | NASH, D.                                  | 4711              | -                             | -  | -                      | 82,084.92                              | 82,084.92               | -                         | -                      | 82,084.92           |                              | VCSFA            |  |
| 800005                                     | OVERHEAD ACCOUNTS             | NASH, D.                                  | 4711              | -                             | 25,680.62                                | -                      | 51.84                                  | 25,732.46               | -                         | -                      | 25,732.46           |                              | VCSFA            |  |
| 800008                                     | OVERHEAD ACCOUNTS             | NASH, D.                                  | 4711              | -                             | 29,179.37                                | -                      | 5,236,473.70                           | 5,265,653.07            | -                         | -                      | 5,265,653.07        |                              | VCSFA            |  |
| 800009                                     | OVERHEAD ACCOUNTS             | NASH, D.                                  | 4711              | -                             | 460.18                                   | -                      | 12,889.59                              | 13,349.77               | -                         | -                      | 13,349.77           |                              | VCSFA            |  |
| 800019                                     | OVERHEAD ACCOUNTS             | NASH, D.                                  | 4711              | 344,450.02                    | 26,072.26                                | 51,654.02              | 55,033.99                              | 477,210.29              | -                         | -                      | 477,210.29          |                              | VCSFA            |  |
| 800090                                     | OVERHEAD ACCOUNTS             | NASH, D.                                  | 4711              | -                             | 41,794.89                                | -                      | 4,830.34                               | 46,625.23               | -                         | -                      | 46,625.23           |                              | VCSFA            |  |
|  |                               |   | <b>4711 Total</b> | 881,144.18                    | 1,349,308.02                             | 61,324.97              | 14,289,984.29                          | 16,581,761.46           | 88,930.13                 | -                      | 16,670,691.59       | 0.54%                        |                  |  |
| Virginia Space Flight Academy              |                               |   |                   |                               |  |                        |  |                         |                           |                        |                     |                              |                  |  |
| 711202                                     | PRIVATE SPONSORS              | WOODHAMS, W.                              | 4715              | -                             | 21,041.65                                | -                      | -                                      | 21,041.65               | -                         | -                      | 21,041.65           |                              | VSAFI            |  |
|  |                               |   | <b>4715 Total</b> | -                             | 21,041.65                                | -                      | -                                      | 21,041.65               | -                         | -                      | 21,041.65           | 0.00%                        |                  |  |
| <b>TOTAL ENGINEERING</b>                   |                               |   |                   |                               | <b>\$ 2,915,148.68</b>                   | <b>\$ 1,866,720.63</b> | <b>\$ 182,025.15</b>                   | <b>\$ 14,674,989.32</b> | <b>\$ 19,638,883.77</b>   | <b>\$ 1,027,436.19</b> | <b>\$ -</b>         | <b>\$ 20,666,319.95</b>      | <b>5.23%</b>     |  |



**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                     | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |                  |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|------------------------------------|--------------------------------|---|-------------------|-------------------------------|--|------------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|                                    |                                |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| <b>HEALTH SCIENCES</b>             |                                |   |                   |                               |  |                  |  |                    |                           |              |                   |                     |                              |                  |
| Community and Environmental Health |                                |   |                   |                               |  |                  |  |                    |                           |              |                   |                     |                              |                  |
| 731391                             | CAZADOR, LLC                   | BECKER, S.                                | 5051              | 72,652.26                     | 3,384.48                                 | -                | -                                      | 76,036.74          | 22,811.02                 | -            | 98,847.76         |                     | TRAD                         |                  |
| 313971                             | CENTERS FOR DISEASE CONTROL    | BLANDO, J.                                | 5051              | 1,875.18                      | 672.94                                   | -                | -                                      | 2,548.12           | 1,274.06                  | -            | 3,822.18          |                     | TRAD                         |                  |
| 396531                             | US PUBLIC HEALTH SERVICE       | JENG, A.                                  | 5051              | 2,465.71                      | 3,643.09                                 | -                | 1,027.69                               | 7,136.49           | 3,054.41                  | -            | 10,190.90         |                     | TRAD                         |                  |
| 714821                             | MOTON COMMUNITY HOUSE          | JENG, A.                                  | 5051              | 5,362.14                      | -  | -                | -                                      | 5,362.14           | 2,681.07                  | -            | 8,043.21          |                     | TRAD                         |                  |
| 396311                             | * US PUBLIC HEALTH SERVICE     | NEFF, J.                                  | 5051              | 5,463.68                      | 372.75                                   | -                | -                                      | 5,836.44           | 2,918.18                  | -            | 8,754.62          |                     | TRAD                         |                  |
| 311871                             | * US PUBLIC HEALTH SERVICE     | RUDATSIKIRA, E.                           | 5051              | 2,636.98                      | 221.36                                   | -                | -                                      | 2,858.34           | 1,514.92                  | -            | 4,373.26          |                     | TRAD                         |                  |
| 524171                             | UNIVERSITY OF WISCONSIN        | SZKLO-COXE, M.                            | 5051              | 7,767.08                      | -  | -                | -                                      | 7,767.08           | 4,116.55                  | -            | 11,883.63         |                     | TRAD                         |                  |
| 311871                             | * US PUBLIC HEALTH SERVICE     | SZKLO-COXE, M.                            | 5051              | 2,636.98                      | 221.36                                   | -                | -                                      | 2,858.34           | 1,514.92                  | -            | 4,373.26          |                     | TRAD                         |                  |
| 305121                             | US DEPT OF AGRICULTURE         | ZHANG, H.                                 | 5051              | 21,166.45                     | 4,938.00                                 | -                | 18,946.60                              | 45,051.05          | 2,610.45                  | -            | 47,661.50         |                     | TRAD                         |                  |
| 311871                             | * US PUBLIC HEALTH SERVICE     | ZHANG, H.                                 | 5051              | 2,636.98                      | 221.36                                   | -                | -                                      | 2,858.34           | 1,514.92                  | -            | 4,373.26          |                     | TRAD                         |                  |
| 704721                             | JOHNS-HOPKINS UNIV             | ZHANG, H.                                 | 5051              | -                             | 1,700.56                                 | -                | -                                      | 1,700.56           | 850.28                    | -            | 2,550.84          |                     | TRAD                         |                  |
|                                    |                                |   | <b>5051 Total</b> | <b>124,663.45</b>             | <b>15,375.90</b>                         | <b>-</b>         | <b>19,974.29</b>                       | <b>160,013.64</b>  | <b>44,860.78</b>          | <b>-</b>     | <b>204,874.42</b> | <b>28.04%</b>       |                              |                  |
| Dental Hygiene                     |                                |   |                   |                               |  |                  |  |                    |                           |              |                   |                     |                              |                  |
| 396311                             | * US PUBLIC HEALTH SERVICE     | DARBY, D.                                 | 5052              | 2,731.84                      | 186.38                                   | -                | -                                      | 2,918.22           | 1,459.09                  | -            | 4,377.31          |                     | TRAD                         |                  |
| 325631                             | * US DEPT HLTH/HUMAN SERV      | LEMASTER, M.                              | 5052              | 15,205.99                     | 975.20                                   | 1,999.15         | -                                      | 18,180.34          | 1,294.50                  | -            | 19,474.84         |                     | TRAD                         |                  |
| 537771                             | * VIRGINIA COMMONWEALTH UNIV.  | LEMASTER, M.                              | 5052              | 1,023.49                      | 347.50                                   | -                | -                                      | 1,370.99           | -                         | -            | 1,370.99          |                     | TRAD                         |                  |
| 721811                             | MIS IMPLANTS TECHNOLOGIES, INC | MCCOMBS, G.                               | 5052              | 472.34                        | 200.00                                   | -                | -                                      | 672.34             | 174.81                    | -            | 847.15            |                     | TRAD                         |                  |
|                                    |                                |   | <b>5052 Total</b> | <b>19,433.67</b>              | <b>1,709.08</b>                          | <b>1,999.15</b>  | <b>-</b>                               | <b>23,141.89</b>   | <b>2,928.40</b>           | <b>-</b>     | <b>26,070.29</b>  | <b>12.65%</b>       |                              |                  |
| Nursing                            |                                |   |                   |                               |  |                  |  |                    |                           |              |                   |                     |                              |                  |
| 333031                             | US DEPT HLTH/HUMAN SERV        | APATOV, N.                                | 5055              | -                             | -  | -                | 11,354.97                              | 11,354.97          | -                         | -            | 11,354.97         |                     | TRAD                         |                  |
| 325631                             | * US DEPT HLTH/HUMAN SERV      | FOWLER, C.                                | 5055              | 30,411.98                     | 1,950.40                                 | 3,998.31         | -                                      | 36,360.69          | 2,588.99                  | -            | 38,949.68         |                     | TRAD                         |                  |
| 537771                             | * VIRGINIA COMMONWEALTH UNIV.  | FOWLER, C.                                | 5055              | 5,117.47                      | 1,737.50                                 | -                | -                                      | 6,854.97           | -                         | -            | 6,854.97          |                     | TRAD                         |                  |
| 325831                             | * US DEPT HLTH/HUMAN SERV      | KARLOWICZ, K.                             | 5055              | -                             | -  | -                | 57,752.00                              | 57,752.00          | -                         | -            | 57,752.00         |                     | TRAD                         |                  |
| 310301                             | * US DEPT HLTH/HUMAN SERV      | RENAUD, M.                                | 5055              | 4,764.99                      | -  | -                | -                                      | 4,764.99           | 381.20                    | -            | 5,146.19          |                     | TRAD                         |                  |
| 325631                             | * US DEPT HLTH/HUMAN SERV      | RENAUD, M.                                | 5055              | 30,411.98                     | 1,950.40                                 | 3,998.31         | -                                      | 36,360.69          | 2,588.99                  | -            | 38,949.68         |                     | TRAD                         |                  |
| 310301                             | * US DEPT HLTH/HUMAN SERV      | RUTLEDGE, C.                              | 5055              | 21,442.44                     | -  | -                | -                                      | 21,442.44          | 1,715.40                  | -            | 23,157.84         |                     | TRAD                         |                  |
| 325631                             | * US DEPT HLTH/HUMAN SERV      | RUTLEDGE, C.                              | 5055              | 38,014.98                     | 2,438.00                                 | 4,997.88         | -                                      | 45,450.86          | 3,236.24                  | -            | 48,687.10         |                     | TRAD                         |                  |
| 325831                             | * US DEPT HLTH/HUMAN SERV      | RUTLEDGE, C.                              | 5055              | -                             | -  | -                | 57,752.00                              | 57,752.00          | -                         | -            | 57,752.00         |                     | TRAD                         |                  |
| 537771                             | * VIRGINIA COMMONWEALTH UNIV.  | RUTLEDGE, C.                              | 5055              | 2,046.99                      | 695.00                                   | -                | -                                      | 2,741.99           | -                         | -            | 2,741.99          |                     | TRAD                         |                  |
| 310301                             | * US DEPT HLTH/HUMAN SERV      | SHEPHERD, L.                              | 5055              | 21,442.44                     | -  | -                | -                                      | 21,442.44          | 1,715.40                  | -            | 23,157.84         |                     | TRAD                         |                  |
|                                    |                                |   | <b>5055 Total</b> | <b>153,653.25</b>             | <b>8,771.30</b>                          | <b>12,994.49</b> | <b>126,858.97</b>                      | <b>302,278.01</b>  | <b>12,226.23</b>          | <b>-</b>     | <b>314,504.24</b> | <b>4.04%</b>        |                              |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY               | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT   | PROJECT DIRECT COST           |  |                      |  |                        | PROJECT IDC AND FEES      |              |                        | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|---------------------------------|---|--------|-------------------------------|--|----------------------|--|------------------------|---------------------------|--------------|------------------------|------------------------------|------------------|
|   |                                 |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT            | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS     | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS    |                              |                  |
| Medical Laboratory and Radiation Sciences - CBE - Frank Reidy Center for Bioelectrics |                                 |   |        |                               |  |                      |  |                        |                           |              |                        |                              |                  |
| 213941  | * ARMY MED RES COMMAND          | HELLER, L.                                | 5056.2 | 6,774.37                      | 3,185.83                                 | -                    | -                                      | 9,960.20               | 5,662.38                  | -            | 15,622.58              |                              | CBE              |
| 213941  | * ARMY MED RES COMMAND          | HELLER, R.                                | 5056.2 | 6,774.37                      | 3,185.83                                 | -                    | -                                      | 9,960.20               | 5,662.38                  | -            | 15,622.58              |                              | CBE              |
| 391061  | US PUBLIC HEALTH SERVICE        | HELLER, R.                                | 5056.2 | 42,088.64                     | 12,622.40                                | -                    | -                                      | 54,711.04              | 27,355.53                 | -            | 82,066.57              |                              | CBE              |
| 391091  | US PUBLIC HEALTH SERVICE        | HELLER, R.                                | 5056.2 | 104,611.00                    | 54,634.02                                | 9,500.00             | -                                      | 168,745.02             | 79,622.51                 | -            | 248,367.53             |                              | CBE              |
| 522541  | * CENTER INNOVATIVE TECHNOLOGY  | HELLER, R.                                | 5056.2 | 827.15                        | 1,505.75                                 | -                    | -                                      | 2,332.90               | -                         | -            | 2,332.90               |                              | CBE              |
| 531051  | ODU                             | HELLER, R.                                | 5056.2 | -                             | -  | 173,298.75           | -                                      | 173,298.75             | -                         | -            | 173,298.75             |                              | CBE              |
| 533501  | * CENTER INNOVATIVE TECHNOLOGY  | HELLER, R.                                | 5056.2 | 5,184.48                      | 360.04                                   | -                    | -                                      | 5,544.51               | 1,663.36                  | -            | 7,207.87               |                              | CBE              |
| 716351  | GENERAL ELECTRIC GLOBAL RESCH   | HELLER, R.                                | 5056.2 | -                             | 88.40                                    | -                    | -                                      | 88.40                  | -                         | -            | 88.40                  |                              | CBE              |
| 734461  | ONCOSEC MEDICAL, INC.           | HELLER, R.                                | 5056.2 | 21,101.54                     | 2,642.16                                 | -                    | -                                      | 23,743.70              | 12,584.16                 | -            | 36,327.86              |                              | CBE              |
| 734464  | ONCOSEC MEDICAL, INC.           | HELLER, R.                                | 5056.2 | 7,165.34                      | 6,022.12                                 | -                    | -                                      | 13,187.46              | 6,989.36                  | -            | 20,176.82              |                              | CBE              |
| <b>5056.2 Total</b>   |                                 |   |        | <b>194,526.89</b>             | <b>84,246.55</b>                         | <b>182,798.75</b>    | <b>-</b>                               | <b>461,572.19</b>      | <b>139,539.67</b>         | <b>-</b>     | <b>601,111.86</b>      | <b>30.23%</b>                |                  |
| Physical Therapy  |                                 |   |        |                               |  |                      |  |                        |                           |              |                        |                              |                  |
| 731181  | MID ATLANTIC TRAINERS' ASSOC    | HOCH, M.                                  | 5058   | -                             | 140.00                                   | -                    | -                                      | 140.00                 | -                         | -            | 140.00                 |                              | TRAD             |
| 732851  | * INTL SOCIETY OF BIOMECHANICS  | HOCH, M.                                  | 5058   | -                             | 274.21                                   | -                    | -                                      | 274.21                 | -                         | -            | 274.21                 |                              | TRAD             |
| 325631  | * US DEPT HLTH/HUMAN SERV       | KOTT, K.                                  | 5058   | 22,808.99                     | 1,462.80                                 | 2,998.73             | -                                      | 27,270.51              | 1,941.74                  | -            | 29,212.26              |                              | TRAD             |
| 537771  | * VIRGINIA COMMONWEALTH UNIV.   | KOTT, K.                                  | 5058   | 1,023.49                      | 347.50                                   | -                    | -                                      | 1,370.99               | -                         | -            | 1,370.99               |                              | TRAD             |
| 510191  | * EASTERN VIRGINIA MED. SCHOOL  | MORRISON, S.                              | 5058   | 11,134.07                     | 364.64                                   | -                    | -                                      | 11,498.71              | 6,094.32                  | -            | 17,593.02              |                              | TRAD             |
| 515281  | EASTERN VIRGINIA MED. SCHOOL    | MORRISON, S.                              | 5058   | 20,502.04                     | 2,203.83                                 | -                    | -                                      | 22,705.87              | 6,357.64                  | -            | 29,063.51              |                              | TRAD             |
| 702971  | * ADV ANTI-TERROR TECHNOLOGIES  | MORRISON, S.                              | 5058   | 5,416.85                      | 2,141.87                                 | -                    | 328.75                                 | 7,887.47               | 3,779.36                  | -            | 11,666.83              |                              | TRAD             |
| 717221  | * AMERICAN DIABETES ASSOCIATION | MORRISON, S.                              | 5058   | 17,581.64                     | (10,861.47)                              | -                    | 15,000.00                              | 21,720.17              | (1,241.98)                | -            | 20,478.20              |                              | TRAD             |
| 732851  | * INTL SOCIETY OF BIOMECHANICS  | RUSSELL, D.                               | 5058   | -                             | 274.21                                   | -                    | -                                      | 274.21                 | -                         | -            | 274.21                 |                              | TRAD             |
| 524971  | THE OHIO STATE UNIVERSITY       | VAN LUNEN, B.                             | 5058   | 7,422.16                      | -  | -                    | -                                      | 7,422.16               | 3,933.74                  | -            | 11,355.90              |                              | TRAD             |
| <b>5058 Total</b>   |                                 |   |        | <b>85,889.23</b>              | <b>(3,652.41)</b>                        | <b>2,998.73</b>      | <b>15,328.75</b>                       | <b>100,564.30</b>      | <b>20,864.82</b>          | <b>-</b>     | <b>121,429.12</b>      | <b>20.75%</b>                |                  |
| <b>TOTAL HEALTH SCIENCES</b>  |                                 |   |        | <b>\$ 578,166.48</b>          | <b>\$ 106,450.41</b>                     | <b>\$ 200,791.13</b> | <b>\$ 162,162.01</b>                   | <b>\$ 1,047,570.03</b> | <b>\$ 220,419.91</b>      | <b>\$ -</b>  | <b>\$ 1,267,989.94</b> | <b>21.04%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER      | SPONSORING AGENCY            | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                  | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---------------------|------------------------------|---|-------------------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|------------------|---------------------|------------------------------|------------------|
|                     |                              |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                  |                     |                              |                  |
| <b>SCIENCES</b>     |                              |   |                   |                               |  |           |  |                    |                           |              |                  |                     |                              |                  |
| Dean's Office       |                              |   |                   |                               |  |           |  |                    |                           |              |                  |                     |                              |                  |
| 397561              | * US DEPT OF EDUCATION       | MATHEWS, T.                               | 6080              | 2,582.53                      | 1,728.21                                 | -         | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39        |                     |                              | TRAD             |
|                     |                              |   | <b>6080 Total</b> | <b>2,582.53</b>               | <b>1,728.21</b>                          | <b>-</b>  | <b>5,678.78</b>                        | <b>9,989.53</b>    | <b>344.86</b>             | <b>-</b>     | <b>10,334.39</b> |                     | <b>3.45%</b>                 |                  |
| Biological Sciences |                              |   |                   |                               |  |           |  |                    |                           |              |                  |                     |                              |                  |
| 312311              | NATL SCIENCE FOUNDATION      | BARTOL, I.                                | 6081              | 2,317.74                      | 4,226.37                                 | 1,580.65  | -                                      | 8,124.76           | -                         | -            | 8,124.76         |                     |                              | TRAD             |
| 727091              | VIRGINIA AQUARIUM FOUNDATION | BARTOL, I.                                | 6081              | 2,960.16                      | -  | -         | -                                      | 2,960.16           | -                         | -            | 2,960.16         |                     |                              | TRAD             |
| 394471              | NATL SCIENCE FOUNDATION      | BUTLER, M.                                | 6081              | (2,023.84)                    | -  | -         | -                                      | (2,023.84)         | (526.20)                  | -            | (2,550.04)       |                     |                              | TRAD             |
| 516801              | UNIV OF FLORIDA              | BUTLER, M.                                | 6081              | 12,424.79                     | 500.00                                   | -         | -                                      | 12,924.79          | 3,360.45                  | -            | 16,285.24        |                     |                              | TRAD             |
| 727451              | GOVERNMENT OF THE BAHAMAS    | BUTLER, M.                                | 6081              | -                             | 4,114.32                                 | -         | -                                      | 4,114.32           | -                         | -            | 4,114.32         |                     |                              | TRAD             |
| 731371              | NATURE CONSERVANCY           | BUTLER, M.                                | 6081              | 14,935.59                     | 7,506.05                                 | -         | -                                      | 22,441.64          | 4,039.50                  | -            | 26,481.14        |                     |                              | TRAD             |
| 371981              | NATL SCIENCE FOUNDATION      | CARPENTER, K.                             | 6081              | 11,703.47                     | 12,901.44                                | 605.00    | 49,019.95                              | 74,229.86          | 6,397.27                  | -            | 80,627.13        |                     |                              | TRAD             |
| 371982              | NATL SCIENCE FOUNDATION      | CARPENTER, K.                             | 6081              | -                             | -  | -         | 41,000.00                              | 41,000.00          | -                         | -            | 41,000.00        |                     |                              | TRAD             |
| 374431              | NATL SCIENCE FOUNDATION      | CARPENTER, K.                             | 6081              | 4,036.01                      | -  | -         | -                                      | 4,036.01           | 1,695.13                  | -            | 5,731.14         |                     |                              | TRAD             |
| 527211              | ODU                          | CARPENTER, K.                             | 6081              | (1,331.12)                    | -  | -         | -                                      | (1,331.12)         | -                         | -            | (1,331.12)       |                     |                              | TRAD             |
| 527212              | ODU                          | CARPENTER, K.                             | 6081              | 66,036.75                     | -  | -         | -                                      | 66,036.75          | 3,301.83                  | -            | 69,338.58        |                     |                              | TRAD             |
| 727591              | NATIONAL GEOGRAPHIC SOCIETY  | CARPENTER, K.                             | 6081              | -                             | (165.72)                                 | -         | 1.00                                   | (164.72)           | -                         | -            | (164.72)         |                     |                              | TRAD             |
| 733731              | QATAR UNIVERSITY             | CARPENTER, K.                             | 6081              | 8,216.04                      | 11,032.47                                | -         | -                                      | 19,248.51          | 3,849.70                  | -            | 23,098.21        |                     |                              | TRAD             |
| 742221              | WORLD CONSERVATION UNION     | CARPENTER, K.                             | 6081              | 3,130.45                      | -  | -         | -                                      | 3,130.45           | 205.98                    | -            | 3,336.43         |                     |                              | TRAD             |
| 755181              | WORLD CONSERVATION UNION     | CARPENTER, K.                             | 6081              | 11,581.15                     | 4,008.12                                 | -         | 3,166.00                               | 18,755.27          | 4,676.79                  | -            | 23,432.06        |                     |                              | TRAD             |
| 326661              | US PUBLIC HEALTH SERVICE     | DAINES, D.                                | 6081              | 16,504.61                     | 14,432.53                                | -         | -                                      | 30,937.14          | 16,396.70                 | -            | 47,333.84        |                     |                              | TRAD             |
| 526521              | VA DEPT ENVIRON QUALITY      | DAUER, D.                                 | 6081              | 17,658.27                     | -  | -         | 23,697.05                              | 41,355.32          | 4,060.84                  | -            | 45,416.16        |                     |                              | TRAD             |
| 526524              | VA DEPT ENVIRON QUALITY      | DAUER, D.                                 | 6081              | 3,019.49                      | -  | -         | 9,971.63                               | 12,991.12          | 1,299.09                  | -            | 14,290.21        |                     |                              | TRAD             |
| 536921              | VA DEPT ENVIRON QUALITY      | DAUER, D.                                 | 6081              | 54,177.86                     | 16,038.00                                | -         | -                                      | 70,215.86          | 5,457.33                  | -            | 75,673.19        |                     |                              | TRAD             |
| 536924              | VA DEPT ENVIRON QUALITY      | DAUER, D.                                 | 6081              | 29,197.16                     | -  | -         | -                                      | 29,197.16          | 2,919.72                  | -            | 32,116.88        |                     |                              | TRAD             |
| 736241              | ELIZABETH RIVER PROJECT      | DAUER, D.                                 | 6081              | 4,583.34                      | -  | -         | -                                      | 4,583.34           | -                         | -            | 4,583.34         |                     |                              | TRAD             |
| 320281              | US DEPT OF ENERGY            | DAY, F.                                   | 6081              | 12,200.98                     | 9,009.22                                 | -         | -                                      | 21,210.20          | 11,241.42                 | -            | 32,451.62        |                     |                              | TRAD             |
| 523731              | UNIVERSITY OF VIRGINIA       | DAY, F.                                   | 6081              | 4,911.59                      | 132.63                                   | -         | -                                      | 5,044.22           | 1,311.49                  | -            | 6,355.71         |                     |                              | TRAD             |
| 525821              | ODU                          | EGERTON, T.                               | 6081              | 24,609.07                     | 233.90                                   | -         | -                                      | 24,842.97          | 2,484.30                  | -            | 27,327.27        |                     |                              | TRAD             |
| 536923              | VA DEPT ENVIRON QUALITY      | EGERTON, T.                               | 6081              | 14,113.22                     | 289.85                                   | -         | -                                      | 14,403.07          | 1,440.31                  | -            | 15,843.38        |                     |                              | TRAD             |
| 542911              | ODU                          | EGERTON, T.                               | 6081              | 6,231.68                      | 534.93                                   | -         | -                                      | 6,766.61           | 623.17                    | -            | 7,389.78         |                     |                              | TRAD             |
| 735431              | EVERLIFE S.A.                | EGERTON, T.                               | 6081              | 1,799.04                      | -  | -         | -                                      | 1,799.04           | 953.49                    | -            | 2,752.53         |                     |                              | TRAD             |
| 310481              | * NATL SCIENCE FOUNDATION    | GAFF, H.                                  | 6081              | 4,353.40                      | -  | -         | -                                      | 4,353.40           | 2,176.70                  | -            | 6,530.10         |                     |                              | TRAD             |
| 715781              | * HENRY M. JACKSON FDN       | GAFF, H.                                  | 6081              | 4,866.49                      | -  | -         | -                                      | 4,866.49           | 973.30                    | -            | 5,839.79         |                     |                              | TRAD             |
| 732021              | MATH ECOLOGY, LLC            | GAFF, H.                                  | 6081              | 4,803.36                      | -  | -         | -                                      | 4,803.36           | 2,545.78                  | -            | 7,349.14         |                     |                              | TRAD             |
| 735691              | SQUIRE, JAMES C.             | GAFF, H.                                  | 6081              | 2,901.67                      | -  | -         | 7.48                                   | 2,909.15           | -                         | -            | 2,909.15         |                     |                              | TRAD             |
| 597981              | * ODU                        | GORDON, A.                                | 6081              | -                             | (347.28)                                 | -         | -                                      | (347.28)           | -                         | -            | (347.28)         |                     |                              | TRAD             |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER            | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR |        | PROJECT DIRECT COST           |  |                 |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---------------------------|--------------------------------|---|--------|-------------------------------|--|-----------------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|                           |                                |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT       | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| 522241                    | MD DEPT. OF NATURAL RESOURCES  | HOLSINGER, J.                             | 6081   | 436.34                        | -  | -               | -                                      | 436.34             | -                         | -            | 436.34              | TRAD                         |                  |
| 310181                    | NATL SCIENCE FOUNDATION        | HORTH, L.                                 | 6081   | -                             | 1,494.36                                 | -               | (2.84)                                 | 1,491.52           | 745.77                    | -            | 2,237.29            | TRAD                         |                  |
| 310182                    | NATL SCIENCE FOUNDATION        | HORTH, L.                                 | 6081   | -                             | -  | -               | 1,001.68                               | 1,001.68           | -                         | -            | 1,001.68            | TRAD                         |                  |
| 535541                    | VA DEPT AGRICULTURE            | HORTH, L.                                 | 6081   | -                             | 1,236.36                                 | -               | -                                      | 1,236.36           | -                         | -            | 1,236.36            | TRAD                         |                  |
| 712951                    | VA ENVIRONMENTAL ENDOWMENT     | HORTH, L.                                 | 6081   | -                             | -  | -               | 0.23                                   | 0.23               | -                         | -            | 0.23                | TRAD                         |                  |
| 322651                    | NATL SCIENCE FOUNDATION        | HYNES, W.                                 | 6081   | -                             | 930.27                                   | -               | -                                      | 930.27             | 241.87                    | -            | 1,172.14            | TRAD                         |                  |
| 397561                    | * US DEPT OF EDUCATION         | HYNES, W.                                 | 6081   | 2,582.53                      | 1,728.21                                 | -               | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39           | TRAD                         |                  |
| 715781                    | * HENRY M. JACKSON FDN         | HYNES, W.                                 | 6081   | -                             | -  | -               | -                                      | -                  | -                         | -            | -                   | TRAD                         |                  |
| 526523                    | VA DEPT ENVIRON QUALITY        | MARSHALL, H.                              | 6081   | 9,988.64                      | -  | -               | 2,762.85                               | 12,751.49          | 1,275.14                  | -            | 14,026.63           | TRAD                         |                  |
| 591934                    | ODU                            | MARSHALL, H.                              | 6081   | 12,761.15                     | -  | -               | -                                      | 12,761.15          | 1,276.12                  | -            | 14,037.27           | TRAD                         |                  |
| 597981                    | * ODU                          | MARSHALL, H.                              | 6081   | -                             | (347.28)                                 | -               | -                                      | (347.28)           | -                         | -            | (347.28)            | TRAD                         |                  |
| 327391                    | US PUBLIC HEALTH SERVICE       | NEELAKANTA, G.                            | 6081   | 17,373.60                     | -  | -               | -                                      | 17,373.60          | 9,208.00                  | -            | 26,581.60           | TRAD                         |                  |
| 353151                    | * US PUBLIC HEALTH SERVICE     | OSGOOD, C.                                | 6081   | 10,987.86                     | 2,539.02                                 | 1,955.00        | -                                      | 15,481.89          | 5,681.29                  | -            | 21,163.18           | TRAD                         |                  |
| 724131                    | SIGMA XI.SCIENTIFIC RES SOC    | OSGOOD, C.                                | 6081   | -                             | -  | -               | 130.72                                 | 130.72             | -                         | -            | 130.72              | TRAD                         |                  |
| 735661                    | VIRGINIA ACADEMY OF SCIENCE    | OSGOOD, C.                                | 6081   | -                             | 1,162.76                                 | -               | -                                      | 1,162.76           | -                         | -            | 1,162.76            | TRAD                         |                  |
| 512301                    | NORTH CAROLINA STATE UNIV      | SONENSHINE, D.                            | 6081   | 4,830.57                      | -  | -               | -                                      | 4,830.57           | 2,415.28                  | -            | 7,245.85            | TRAD                         |                  |
| 565402                    | NORTH CAROLINA STATE UNIV      | SONENSHINE, D.                            | 6081   | 7,434.10                      | 9,519.97                                 | -               | 2,234.00                               | 19,188.07          | 7,120.71                  | -            | 26,308.78           | TRAD                         |                  |
| 327401                    | US PUBLIC HEALTH SERVICE       | SULTANA, H.                               | 6081   | 17,373.60                     | -  | -               | -                                      | 17,373.60          | 9,208.00                  | -            | 26,581.60           | TRAD                         |                  |
| 535391                    | UNIVERSITY OF DELAWARE         | WALTERS, E.                               | 6081   | 11,097.00                     | -  | -               | -                                      | 11,097.00          | 2,885.22                  | -            | 13,982.22           | TRAD                         |                  |
| 535461                    | VA DEPT ENVIRON QUALITY        | WALTERS, E.                               | 6081   | 13,417.28                     | 219.40                                   | -               | -                                      | 13,636.68          | 3,545.55                  | -            | 17,182.23           | TRAD                         |                  |
| 536111                    | MD DEPT. OF NATURAL RESOURCES  | WALTERS, E.                               | 6081   | 12,093.47                     | -  | -               | -                                      | 12,093.47          | 3,144.30                  | -            | 15,237.77           | TRAD                         |                  |
| 735651                    | VIRGINIA ACADEMY OF SCIENCE    | WALTERS, E.                               | 6081   | -                             | 1,041.29                                 | -               | -                                      | 1,041.29           | -                         | -            | 1,041.29            | TRAD                         |                  |
| 741661                    | COASTAL VIRGINIA WILDLIFE OBSV | WALTERS, E.                               | 6081   | 3,940.02                      | -  | -               | -                                      | 3,940.02           | -                         | -            | 3,940.02            | TRAD                         |                  |
| <b>6081 Total</b>         |                                |   |        | <b>464,234.59</b>             | <b>103,971.20</b>                        | <b>4,140.65</b> | <b>138,668.53</b>                      | <b>711,014.97</b>  | <b>127,976.20</b>         | <b>-</b>     | <b>838,991.18</b>   | <b>18.00%</b>                |                  |
| Biological Sciences - CBE |                                |   |        |                               |  |                 |  |                    |                           |              |                     |                              |                  |
| 213941                    | * ARMY MED RES COMMAND         | HARGRAVE, B.                              | 6081.2 | 5,977.39                      | 2,811.03                                 | -               | -                                      | 8,788.41           | 4,996.22                  | -            | 13,784.63           | CBE                          |                  |
| <b>6081.2 Total</b>       |                                |   |        | <b>5,977.39</b>               | <b>2,811.03</b>                          | <b>-</b>        | <b>-</b>                               | <b>8,788.41</b>    | <b>4,996.22</b>           | <b>-</b>     | <b>13,784.63</b>    | <b>56.85%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY               | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT                | PROJECT DIRECT COST           |  |                  |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|---------------------------------|---|---------------------|-------------------------------|--|------------------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|   |                                 |   |                     | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| <b>Chemistry and Biochemistry</b>   |                                 |   |                     |                               |  |                  |  |                    |                           |              |                     |                              |                  |
| 397561  | * US DEPT OF EDUCATION          | BAYSE, C.                                 | 6082                | 2,582.53                      | 1,728.21                                 | -                | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39           |                              | TRAD             |
| 126101  | NASA-GODDARD SPACEFLIGHT CNTR   | BERNATH, P.                               | 6082                | 39,767.75                     | 4,807.89                                 | 2,729.81         | -                                      | 47,305.45          | 23,625.08                 | -            | 70,930.53           |                              | TRAD             |
| 132481  | NASA-GODDARD SPACEFLIGHT CNTR   | BERNATH, P.                               | 6082                | 11,102.74                     | 2,392.64                                 | -                | -                                      | 13,495.38          | 7,152.55                  | -            | 20,647.93           |                              | TRAD             |
| 397561  | * US DEPT OF EDUCATION          | BERNATH, P.                               | 6082                | 2,582.53                      | 1,728.21                                 | -                | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39           |                              | TRAD             |
| 733121  | BATTELLE CORPORATION            | BERNATH, P.                               | 6082                | 3,940.24                      | 2,348.46                                 | 1,975.00         | -                                      | 8,263.70           | 3,333.02                  | -            | 11,596.72           |                              | TRAD             |
| 526522  | VA DEPT ENVIRON QUALITY         | DONAT, J.                                 | 6082                | 21,577.17                     | 22,362.81                                | -                | -                                      | 43,939.98          | (8,956.68)                | -            | 34,983.30           |                              | TRAD             |
| 536922  | VA DEPT ENVIRON QUALITY         | DONAT, J.                                 | 6082                | 109,922.63                    | 77,344.51                                | -                | -                                      | 187,267.14         | 11,029.50                 | -            | 198,296.64          |                              | TRAD             |
| 322421  | NATL OCEANIC/ATMOS ADMIN        | HATCHER, P.                               | 6082                | 7,876.64                      | -  | -                | -                                      | 7,876.64           | 787.68                    | -            | 8,664.32            |                              | TRAD             |
| 526211  | VA INST OF MARINE SCIENCE       | HATCHER, P.                               | 6082                | 4,860.62                      | -  | -                | -                                      | 4,860.62           | 1,263.76                  | -            | 6,124.38            |                              | TRAD             |
| 597981  | * ODU                           | HATCHER, P.                               | 6082                | -                             | (347.28)                                 | -                | -                                      | (347.28)           | -                         | -            | (347.28)            |                              | TRAD             |
| 727131  | TOTAL, S.A.                     | HATCHER, P.                               | 6082                | 13,576.80                     | 7,490.62                                 | -                | -                                      | 21,067.42          | 11,165.72                 | -            | 32,233.14           |                              | TRAD             |
| 340091  | NATL SCIENCE FOUNDATION         | HOLDER, A.                                | 6082                | -                             | 3,484.20                                 | -                | -                                      | 3,484.20           | -                         | -            | 3,484.20            |                              | TRAD             |
| 533571  | * ODU                           | LEE, J.                                   | 6082                | 16,209.11                     | 6,213.24                                 | -                | -                                      | 22,422.35          | -                         | -            | 22,422.35           |                              | TRAD             |
| 390781  | NATL SCIENCE FOUNDATION         | MAO, J.                                   | 6082                | 5,123.54                      | -  | -                | -                                      | 5,123.54           | 2,561.77                  | -            | 7,685.31            |                              | TRAD             |
| 511341  | LINCOLN UNIVERSITY              | MAO, J.                                   | 6082                | 23,115.31                     | 9,948.19                                 | -                | -                                      | 33,063.50          | 7,273.97                  | -            | 40,337.47           |                              | TRAD             |
| 327621  | NATL SCIENCE FOUNDATION         | MOPPER, K.                                | 6082                | 8,799.62                      | 303.21                                   | -                | -                                      | 9,102.83           | 4,824.49                  | -            | 13,927.32           |                              | TRAD             |
| 390921  | NATL SCIENCE FOUNDATION         | MOPPER, K.                                | 6082                | 635.00                        | 16.64                                    | -                | -                                      | 651.64             | 325.73                    | -            | 977.37              |                              | TRAD             |
| 330641  | NATL SCIENCE FOUNDATION         | WANG, G.                                  | 6082                | 6,569.77                      | 881.10                                   | -                | -                                      | 7,450.87           | 3,948.97                  | -            | 11,399.84           |                              | TRAD             |
| 530541  | UNIVERSITY OF PITTSBURGH        | WANG, G.                                  | 6082                | 8,730.80                      | 6,614.64                                 | -                | -                                      | 15,345.44          | 8,133.09                  | -            | 23,478.53           |                              | TRAD             |
| 351710  | NATL SCIENCE FOUNDATION         | XU, N.                                    | 6082                | (1,332.45)                    | 519.43                                   | -                | -                                      | (813.02)           | (430.90)                  | -            | (1,243.92)          |                              | TRAD             |
| 351785  | NATL SCIENCE FOUNDATION         | XU, N.                                    | 6082                | -                             | -  | -                | -                                      | -                  | (0.78)                    | -            | (0.78)              |                              | TRAD             |
| 351786  | NATL SCIENCE FOUNDATION         | XU, N.                                    | 6082                | 1,793.50                      | 973.04                                   | -                | -                                      | 2,766.54           | -                         | -            | 2,766.54            |                              | TRAD             |
| 353151  | * US PUBLIC HEALTH SERVICE      | XU, N.                                    | 6082                | 43,951.46                     | 10,156.10                                | 7,820.00         | -                                      | 61,927.55          | 22,725.18                 | -            | 84,652.73           |                              | TRAD             |
|   |                                 |   | <b>6082 Total</b>   | <b>331,385.32</b>             | <b>158,965.87</b>                        | <b>12,524.81</b> | <b>11,357.56</b>                       | <b>514,233.56</b>  | <b>99,451.87</b>          | <b>-</b>     | <b>613,685.42</b>   | <b>19.34%</b>                |                  |
| <b>Chemistry and Biochemistry - VCERC - Virginia Coastal Energy Research Consortium</b> |                                 |   |                     |                               |  |                  |  |                    |                           |              |                     |                              |                  |
| 323961  | * NATL SCIENCE FOUNDATION       | HATCHER, P.                               | 6082.7              | 18,239.71                     | 2,183.44                                 | -                | -                                      | 20,423.15          | 10,824.27                 | -            | 31,247.42           |                              | VCERC            |
| 510131  | TEXAS A & M UNIVERSITY          | HATCHER, P.                               | 6082.7              | 12,498.45                     | 639.54                                   | -                | -                                      | 13,137.99          | 6,569.00                  | -            | 19,706.99           |                              | VCERC            |
| 731591  | AQUA TERRA INTERNATIONAL, LLC   | HATCHER, P.                               | 6082.7              | 62,049.95                     | 1,320.29                                 | -                | -                                      | 63,370.24          | 16,476.26                 | -            | 79,846.50           |                              | VCERC            |
| 323961  | * NATL SCIENCE FOUNDATION       | WOZNIAK, A.                               | 6082.7              | 35,406.50                     | 4,238.44                                 | -                | -                                      | 39,644.94          | 21,011.81                 | -            | 60,656.75           |                              | VCERC            |
|   |                                 |   | <b>6082.7 Total</b> | <b>128,194.61</b>             | <b>8,381.71</b>                          | <b>-</b>         | <b>-</b>                               | <b>136,576.32</b>  | <b>54,881.34</b>          | <b>-</b>     | <b>191,457.66</b>   | <b>40.18%</b>                |                  |
| <b>Mathematics and Statistics</b>   |                                 |   |                     |                               |  |                  |  |                    |                           |              |                     |                              |                  |
| 127071  | NASA-LANGLEY RESEARCH CENTER    | BADAVI, F.                                | 6083                | 86,303.12                     | 8,143.37                                 | -                | -                                      | 94,446.49          | 24,556.09                 | -            | 119,002.58          |                              | TRAD             |
| 525651  | EASTERN VIRGINIA MED. SCHOOL    | CHAGANTY, R.                              | 6083                | 4,000.00                      | 303.65                                   | -                | -                                      | 4,303.65           | 344.29                    | -            | 4,647.94            |                              | TRAD             |
| 526525  | VA DEPT ENVIRON QUALITY         | CHAGANTY, R.                              | 6083                | 4,898.84                      | -  | -                | 1,281.70                               | 6,180.54           | 617.87                    | -            | 6,798.41            |                              | TRAD             |
| 717221  | * AMERICAN DIABETES ASSOCIATION | DIWARA, N.                                | 6083                | 1,465.14                      | (905.12)                                 | -                | 1,250.00                               | 1,810.01           | (103.50)                  | -            | 1,706.52            |                              | TRAD             |
| 397561  | * US DEPT OF EDUCATION          | DORREPAAL, M.                             | 6083                | 2,582.53                      | 1,728.21                                 | -                | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39           |                              | TRAD             |
| 112801  | NASA-HEADQUARTERS               | HU, F.                                    | 6083                | 24,002.55                     | -  | -                | -                                      | 24,002.55          | 12,001.28                 | -            | 36,003.83           |                              | TRAD             |
| 311391  | NATL SCIENCE FOUNDATION         | JOO, S.                                   | 6083                | 9,659.57                      | 5,947.91                                 | -                | 0.01                                   | 15,607.49          | 7,803.74                  | -            | 23,411.23           |                              | TRAD             |
| 333111  | * NATL SCIENCE FOUNDATION       | PENG, Y.                                  | 6083                | -                             | 573.76                                   | -                | -                                      | 573.76             | 304.09                    | -            | 877.85              |                              | TRAD             |
| 397561  | * US DEPT OF EDUCATION          | STROZAK, R.                               | 6083                | 2,582.53                      | 1,728.21                                 | -                | 5,678.78                               | 9,989.53           | 344.86                    | -            | 10,334.39           |                              | TRAD             |
| 192461  | NASA-LANGLEY RESEARCH CENTER    | TWEED, J.                                 | 6083                | 129,208.25                    | 2,345.52                                 | -                | -                                      | 131,553.77         | 34,203.97                 | -            | 165,757.74          |                              | TRAD             |
| 323091  | NATL SCIENCE FOUNDATION         | WANG, J.                                  | 6083                | 19,444.62                     | -  | -                | -                                      | 19,444.62          | 10,305.64                 | -            | 29,750.26           |                              | TRAD             |
| 326261  | * NATL SCIENCE FOUNDATION       | WANG, J.                                  | 6083                | 12,881.52                     | 1,228.89                                 | -                | -                                      | 14,110.41          | 7,478.52                  | -            | 21,588.92           |                              | TRAD             |
| 333111  | * NATL SCIENCE FOUNDATION       | WANG, J.                                  | 6083                | -                             | 382.50                                   | -                | -                                      | 382.50             | 202.73                    | -            | 585.23              |                              | TRAD             |
| 713771  | SIMONS FOUNDATION               | WANG, J.                                  | 6083                | -                             | 489.16                                   | -                | -                                      | 489.16             | 416.65                    | -            | 905.81              |                              | TRAD             |
| 533561  | * ODU                           | WANG, J.                                  | 6083                | 2,643.07                      | -  | -                | -                                      | 2,643.07           | -                         | -            | 2,643.07            |                              | TRAD             |
| 392781  | NATL SCIENCE FOUNDATION         | ZHOU, R.                                  | 6083                | 6,764.48                      | 333.32                                   | -                | -                                      | 7,097.80           | 3,548.91                  | -            | 10,646.71           |                              | TRAD             |
|   |                                 |   | <b>6083 Total</b>   | <b>306,436.23</b>             | <b>22,299.38</b>                         | <b>-</b>         | <b>13,889.27</b>                       | <b>342,624.88</b>  | <b>102,370.00</b>         | <b>-</b>     | <b>444,994.88</b>   | <b>29.88%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                        | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |            |  |                    | PROJECT IDC AND FEES      |              |            | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |  |
|---------------------------------------|----------------------------------|---|------|-------------------------------|--|------------|--|--------------------|---------------------------|--------------|------------|---------------------|------------------------------|------------------|--|
|                                       |                                  |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT  | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |            |                     |                              |                  |  |
| Ocean, Earth and Atmospheric Sciences |                                  |   |      |                               |  |            |  |                    |                           |              |            |                     |                              |                  |  |
| 316571                                | NATL SCIENCE FOUNDATION          | BOCHDANSKY, A.                            | 6085 | 7,310.44                      | 7,060.40                                 | 1,873.00   | -                                      | 16,243.84          | 7,616.54                  | -            | 23,860.38  |                     | TRAD                         |                  |  |
| 324281                                | NATL SCIENCE FOUNDATION          | BOCHDANSKY, A.                            | 6085 | 35,649.95                     | 13,431.51                                | -          | -                                      | 49,081.46          | 26,013.17                 | -            | 75,094.63  |                     | TRAD                         |                  |  |
| 501971                                | UNIV OF CALIFORNIA               | BOCHDANSKY, A.                            | 6085 | 4,939.03                      | 255.43                                   | -          | -                                      | 5,194.46           | 2,597.24                  | -            | 7,791.70   |                     | TRAD                         |                  |  |
| 325261                                | NATL SCIENCE FOUNDATION          | BURDIGE, D.                               | 6085 | 39,949.46                     | 12,650.35                                | -          | 53.25                                  | 52,653.06          | 27,877.90                 | -            | 80,530.96  |                     | TRAD                         |                  |  |
| 384331                                | NATL SCIENCE FOUNDATION          | BURDIGE, D.                               | 6085 | -                             | (670.60)                                 | -          | -                                      | (670.60)           | (281.65)                  | -            | (952.25)   |                     | TRAD                         |                  |  |
| 321321                                | NATL SCIENCE FOUNDATION          | CUTTER, G.                                | 6085 | 57,546.18                     | 55,167.00                                | 1,745.17   | -                                      | 114,458.35         | 56,356.60                 | -            | 170,814.95 |                     | TRAD                         |                  |  |
| 324231                                | NATL SCIENCE FOUNDATION          | CUTTER, G.                                | 6085 | 38,150.60                     | 21,438.63                                | 14,585.00  | -                                      | 74,174.23          | 31,582.29                 | -            | 105,756.52 |                     | TRAD                         |                  |  |
| 393441                                | NATL SCIENCE FOUNDATION          | CUTTER, G.                                | 6085 | 1,717.67                      | 1,045.00                                 | -          | -                                      | 2,762.67           | 1,381.34                  | -            | 4,144.01   |                     | TRAD                         |                  |  |
| 394621                                | NATL SCIENCE FOUNDATION          | CUTTER, G.                                | 6085 | 8,820.79                      | 5,780.70                                 | -          | -                                      | 14,601.49          | 7,300.75                  | -            | 21,902.24  |                     | TRAD                         |                  |  |
| 394631                                | NATL SCIENCE FOUNDATION          | CUTTER, G.                                | 6085 | 1,757.35                      | 10,165.16                                | 9,490.50   | -                                      | 21,413.01          | 5,961.26                  | -            | 27,374.27  |                     | TRAD                         |                  |  |
| 701871                                | OAK RIDGE ASSOCIATED UNIVERSIT   | CUTTER, G.                                | 6085 | 10,317.91                     | 2,202.09                                 | -          | -                                      | 12,520.00          | 6,260.01                  | -            | 18,780.01  |                     | TRAD                         |                  |  |
| 702771                                | * OAK RIDGE ASSOCIATED UNIVERSIT | CUTTER, G.                                | 6085 | 5,111.60                      | 761.63                                   | -          | -                                      | 5,873.23           | 2,936.63                  | -            | 8,809.85   |                     | TRAD                         |                  |  |
| 730551                                | HAMPTON UNIVERSITY               | CUTTER, G.                                | 6085 | 6,855.08                      | -  | -          | -                                      | 6,855.08           | 3,633.19                  | -            | 10,488.27  |                     | TRAD                         |                  |  |
| 312441                                | NATL SCIENCE FOUNDATION          | DARBY, D.                                 | 6085 | 14,567.15                     | 45,665.81                                | -          | -                                      | 60,232.96          | 30,116.49                 | -            | 90,349.45  |                     | TRAD                         |                  |  |
| 393211                                | NATL SCIENCE FOUNDATION          | DOBBS, F.                                 | 6085 | 58,311.92                     | 19,894.06                                | 1,505.00   | 9,653.00                               | 89,363.98          | 39,103.00                 | -            | 128,466.98 |                     | TRAD                         |                  |  |
| 525971                                | UNIVERSITY OF MARYLAND           | DOBBS, F.                                 | 6085 | 9,236.16                      | -  | -          | -                                      | 9,236.16           | 4,895.17                  | -            | 14,131.33  |                     | TRAD                         |                  |  |
| 394431                                | * NATL SCIENCE FOUNDATION        | GARGETT, A.                               | 6085 | 10,335.69                     | 610.86                                   | -          | -                                      | 10,946.55          | 5,473.28                  | -            | 16,419.83  |                     | TRAD                         |                  |  |
| 312521                                | NATL SCIENCE FOUNDATION          | HARVEY, R.                                | 6085 | (2,001.94)                    | 896.72                                   | -          | -                                      | (1,105.22)         | (552.61)                  | -            | (1,657.83) |                     | TRAD                         |                  |  |
| 323061                                | NORTH PACIFIC RESEARCH BOARD     | HARVEY, R.                                | 6085 | -                             | 100.00                                   | -          | -                                      | 100.00             | 53.00                     | -            | 153.00     |                     | TRAD                         |                  |  |
| 324141                                | * NATL SCIENCE FOUNDATION        | HARVEY, R.                                | 6085 | -                             | -  | 517,671.00 | -                                      | 517,671.00         | -                         | -            | 517,671.00 |                     | TRAD                         |                  |  |
| 324501                                | NATL SCIENCE FOUNDATION          | HARVEY, R.                                | 6085 | 3,952.81                      | 10,937.75                                | -          | -                                      | 14,890.56          | 7,892.00                  | -            | 22,782.56  |                     | TRAD                         |                  |  |
| 517501                                | UNIVERSITY OF TEXAS AT AUSTIN    | HARVEY, R.                                | 6085 | 14,303.67                     | 19,364.31                                | -          | 76.41                                  | 33,744.39          | 16,834.00                 | -            | 50,578.39  |                     | TRAD                         |                  |  |
| 300951                                | * NATL SCIENCE FOUNDATION        | JONES, C.                                 | 6085 | 15,938.27                     | 8,995.86                                 | -          | -                                      | 24,934.13          | 12,467.07                 | -            | 37,401.19  |                     | TRAD                         |                  |  |
| 512461                                | * STATE UNIVERSITY OF NEW JERSEY | JONES, C.                                 | 6085 | 20,229.17                     | 5,602.54                                 | -          | -                                      | 25,831.71          | 3,874.76                  | -            | 29,706.47  |                     | TRAD                         |                  |  |
| 513381                                | * KENAI PENINSULA BOROUGH        | JONES, C.                                 | 6085 | 25,980.33                     | 684.25                                   | -          | -                                      | 26,664.58          | -                         | -            | 26,664.58  |                     | TRAD                         |                  |  |
| 516661                                | VA MARINE RESOURCES COMM         | JONES, C.                                 | 6085 | 21,808.71                     | 2,632.05                                 | -          | -                                      | 24,440.76          | (1,205.73)                | -            | 23,235.03  |                     | TRAD                         |                  |  |
| 527291                                | VA MARINE RESOURCES COMM         | JONES, C.                                 | 6085 | 50,091.95                     | 5,881.83                                 | -          | -                                      | 55,973.78          | 13,993.45                 | -            | 69,967.23  |                     | TRAD                         |                  |  |
| 532911                                | VA MARINE RESOURCES COMM         | JONES, C.                                 | 6085 | -                             | 14,629.91                                | -          | -                                      | 14,629.91          | 3,657.48                  | -            | 18,287.39  |                     | TRAD                         |                  |  |
| 540021                                | VA MARINE RESOURCES COMM         | JONES, C.                                 | 6085 | 41,998.02                     | 1,607.80                                 | -          | -                                      | 43,605.82          | 10,901.45                 | -            | 54,507.27  |                     | TRAD                         |                  |  |
| 715431                                | VIRGINIA AQUARIUM FOUNDATION     | JONES, C.                                 | 6085 | 2,878.51                      | -  | -          | -                                      | 2,878.51           | 1,439.26                  | -            | 4,317.77   |                     | TRAD                         |                  |  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR |        | DEPT              | PROJECT DIRECT COST           |  |                  |  | PROJECT IDC AND FEES |                           |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRIZE CODE |
|---|----------------------------------|---|--------|-------------------|-------------------------------|--|------------------|--|----------------------|---------------------------|---------------------|------------------------------|------------------|
|   |                                  |   |        |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS   | REIMBURSED INDIRECT COSTS | SPECIAL FEES        |                              |                  |
| 320951  | NATL OCEANIC/ATMOS ADMIN         | MCCONAUGHA, J.                            | 6085   | 1,416.21          | 6,756.23                      | -  | -                | 8,172.44                               | 4,086.23             | -                         | 12,258.67           | TRAD                         |                  |
| 135301  | NASA-GODDARD SPACEFLIGHT CNTR    | MULHOLLAND, M.                            | 6085   | 484.17            | 9,029.50                      | -  | -                | 9,513.67                               | 5,042.23             | -                         | 14,555.90           | TRAD                         |                  |
| 186011  | NASA-GODDARD SPACEFLIGHT CNTR    | MULHOLLAND, M.                            | 6085   | 12,781.85         | (310.00)                      | -  | -                | 12,471.85                              | 5,238.18             | -                         | 17,710.03           | TRAD                         |                  |
| 320391  | NATL SCIENCE FOUNDATION          | MULHOLLAND, M.                            | 6085   | 23,267.16         | -                             | -  | -                | 23,267.16                              | 12,331.61            | -                         | 35,598.77           | TRAD                         |                  |
| 324251  | NATL SCIENCE FOUNDATION          | MULHOLLAND, M.                            | 6085   | -                 | -                             | -  | -                | -                                      | (0.19)               | -                         | (0.19)              | TRAD                         |                  |
| 330361  | NATL SCIENCE FOUNDATION          | MULHOLLAND, M.                            | 6085   | 484.15            | 452.72                        | -  | -                | 936.87                                 | 496.55               | -                         | 1,433.42            | TRAD                         |                  |
| 525781  | ODU                              | MULHOLLAND, M.                            | 6085   | 1,679.69          | (836.07)                      | -  | -                | 843.62                                 | 84.37                | -                         | 927.99              | TRAD                         |                  |
| 525791  | ODU                              | MULHOLLAND, M.                            | 6085   | 30,274.92         | 11,679.14                     | -  | -                | 41,954.06                              | 4,195.41             | -                         | 46,149.47           | TRAD                         |                  |
| 525801  | ODU                              | MULHOLLAND, M.                            | 6085   | 1,613.32          | 2,456.95                      | -  | -                | 4,070.27                               | 407.03               | -                         | 4,477.30            | TRAD                         |                  |
| 716301  | WATER ENVIRON RESEARCH FOUN      | MULHOLLAND, M.                            | 6085   | 23,561.59         | -                             | -  | -                | 23,561.59                              | 11,780.81            | -                         | 35,342.40           | TRAD                         |                  |
| 300951  | * NATL SCIENCE FOUNDATION        | SCHAFFLER, J.                             | 6085   | 15,938.27         | 8,995.86                      | -  | -                | 24,934.13                              | 12,467.07            | -                         | 37,401.19           | TRAD                         |                  |
| 512461  | * STATE UNIVERSITY OF NEW JERSEY | SCHAFFLER, J.                             | 6085   | -                 | -                             | -  | -                | -                                      | -                    | -                         | -                   | TRAD                         |                  |
| 323151  | NATL SCIENCE FOUNDATION          | SEDWICK, P.                               | 6085   | 12,385.05         | 5,632.50                      | -  | -                | 18,017.55                              | 9,549.30             | -                         | 27,566.85           | TRAD                         |                  |
| 330362  | NATL SCIENCE FOUNDATION          | SEDWICK, P.                               | 6085   | 2,162.00          | 3,448.87                      | 27,330.00                                | -                | 32,940.87                              | 2,973.77             | -                         | 35,914.64           | TRAD                         |                  |
| 394481  | NATL SCIENCE FOUNDATION          | SEDWICK, P.                               | 6085   | 12,385.05         | 2,474.49                      | -  | -                | 14,859.54                              | 7,429.79             | -                         | 22,289.33           | TRAD                         |                  |
| 396851  | NATL SCIENCE FOUNDATION          | SEDWICK, P.                               | 6085   | 32,176.31         | 5,948.52                      | 626.53                                   | -                | 38,751.36                              | 19,062.43            | -                         | 57,813.79           | TRAD                         |                  |
| 396852  | * NATL SCIENCE FOUNDATION        | SEDWICK, P.                               | 6085   | 8,865.71          | 688.58                        | -  | -                | 9,554.29                               | 4,777.15             | -                         | 14,331.45           | TRAD                         |                  |
| 702771  | * OAK RIDGE ASSOCIATED UNIVERSIT | SEDWICK, P.                               | 6085   | 5,111.60          | 761.63                        | -  | -                | 5,873.23                               | 2,936.63             | -                         | 8,809.85            | TRAD                         |                  |
| 534902  | * ODU                            | WHITTECAR, G.                             | 6085   | 29,434.32         | -                             | -  | -                | 29,434.32                              | 1,471.71             | -                         | 30,906.03           | TRAD                         |                  |
| 524481  | * ODU                            | WHITTECAR, G.                             | 6085   | 7,242.18          | 7,649.54                      | -  | 23,660.30        | 38,552.02                              | 1,191.33             | -                         | 39,743.36           | TRAD                         |                  |
| 532151  | * ODU                            | WHITTECAR, G.                             | 6085   | 9,161.30          | 1,578.15                      | -  | 265.68           | 11,005.13                              | 859.16               | -                         | 11,864.29           | TRAD                         |                  |
| 534901  | * ODU                            | WHITTECAR, G.                             | 6085   | 43,585.83         | 10,487.96                     | -  | 1,836.65         | 55,910.43                              | 2,703.70             | -                         | 58,614.12           | TRAD                         |                  |
| 532541  | ODU                              | WHITTECAR, R.                             | 6085   | 2,305.71          | 2,063.19                      | -  | -                | 4,368.90                               | 786.40               | -                         | 5,155.30            | TRAD                         |                  |
| 585981  | VA TECH                          | WHITTECAR, R.                             | 6085   | 21,057.91         | 3,031.99                      | -  | -                | 24,089.90                              | 8,431.47             | -                         | 32,521.37           | TRAD                         |                  |
| 711991  | WEANACK LAND LTD                 | WHITTECAR, R.                             | 6085   | 4,304.35          | 342.14                        | -  | -                | 4,646.49                               | 1,161.63             | -                         | 5,808.12            | TRAD                         |                  |
| 307291  | NATL SCIENCE FOUNDATION          | ZIMMERMAN, R.                             | 6085   | 56,477.42         | 6,381.72                      | -  | -                | 62,859.14                              | 31,429.58            | -                         | 94,288.72           | TRAD                         |                  |
| 524021  | VA INST OF MARINE SCIENCE        | ZIMMERMAN, R.                             | 6085   | 11,743.29         | 5,069.69                      | -  | -                | 16,812.98                              | 840.66               | -                         | 17,653.64           | TRAD                         |                  |
| <b>6085 Total</b>   |                                  |   |        | <b>875,655.82</b> | <b>360,574.34</b>             | <b>574,826.20</b>                        | <b>35,545.29</b> | <b>1,846,601.65</b>                    | <b>479,911.33</b>    | <b>-</b>                  | <b>2,326,512.98</b> | <b>25.99%</b>                |                  |
| Ocean, Earth and Atmospheric Sciences - SSRP - Self-Supporting Research Positions |                                  |   |        |                   |                               |  |                  |  |                      |                           |                     |                              |                  |
| 321481  | NATL SCIENCE FOUNDATION          | HILL, V.                                  | 6085.5 | 23,731.03         | 1,381.00                      | -  | -                | 25,112.03                              | 13,309.37            | -                         | 38,421.40           | SSRP-OEAS                    |                  |
| 596111  | UNIVERSITY OF WASHINGTON         | HILL, V.                                  | 6085.5 | 15,524.24         | -                             | -  | -                | 15,524.24                              | 7,762.12             | -                         | 23,286.36           | SSRP-OEAS                    |                  |
| <b>6085.5 Total</b>   |                                  |   |        | <b>39,255.27</b>  | <b>1,381.00</b>               | <b>-</b>                                 | <b>-</b>         | <b>40,636.27</b>                       | <b>21,071.49</b>     | <b>-</b>                  | <b>61,707.76</b>    | <b>51.85%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                           | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |      | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|--|--------------------------------|--|------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|  |                                |  |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| Center for Coastal Physical Oceanography |                                |  |      |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 512221                                   | STATE UNIVERSITY OF NEW JERSEY | ATKINSON, L.                                   | 6086 | 33,077.18                     | 6,031.78                                 | -         | -                                      | 39,108.96          | 19,554.49                 | -            | 58,663.45           |                              | TRAD             |
| 522771                                   | * VA INST OF MARINE SCIENCE    | ATKINSON, L.                                   | 6086 | 3,159.95                      | 258.88                                   | -         | -                                      | 3,418.84           | 1,811.99                  | -            | 5,230.82            |                              | TRAD             |
| 535611                                   | STATE UNIVERSITY OF NEW JERSEY | ATKINSON, L.                                   | 6086 | 52,518.39                     | -  | -         | -                                      | 52,518.39          | 5,251.83                  | -            | 57,770.22           |                              | TRAD             |
| 597981                                   | * ODU                          | ATKINSON, L.                                   | 6086 | -                             | (347.28)                                 | -         | -                                      | (347.28)           | -                         | -            | (347.28)            |                              | TRAD             |
| 300161                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 1,143.28                      | (47.60)                                  | -         | -                                      | 1,095.68           | 460.19                    | -            | 1,555.87            |                              | TRAD             |
| 306781                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 12,692.59                     | -  | -         | -                                      | 12,692.59          | 6,346.30                  | -            | 19,038.89           |                              | TRAD             |
| 386461                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 245.51                        | (14.41)                                  | -         | -                                      | 231.10             | 97.06                     | -            | 328.17              |                              | TRAD             |
| 394241                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 25,652.20                     | 407.00                                   | -         | -                                      | 26,059.20          | 13,029.60                 | -            | 39,088.80           |                              | TRAD             |
| 396852                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 8,865.71                      | 688.58                                   | -         | -                                      | 9,554.29           | 4,777.15                  | -            | 14,331.45           |                              | TRAD             |
| 397111                                   | * NATL SCIENCE FOUNDATION      | DINNIMAN, M.                                   | 6086 | 20,760.14                     | 449.80                                   | -         | -                                      | 21,209.94          | 10,604.97                 | -            | 31,814.91           |                              | TRAD             |
| 381461                                   | NATL OCEANIC/ATMOS ADMIN       | EZER, T.                                       | 6086 | 5,631.23                      | -  | -         | -                                      | 5,631.23           | 2,365.12                  | -            | 7,996.35            |                              | TRAD             |
| 513381                                   | * KENAI PENINSULA BOROUGH      | EZER, T.                                       | 6086 | 25,980.33                     | 684.25                                   | -         | -                                      | 26,664.58          | -                         | -            | 26,664.58           |                              | TRAD             |
| 783572                                   | TRACTEBEL ENGINEERING          | EZER, T.                                       | 6086 | -                             | 20.00                                    | -         | 919.40                                 | 939.40             | 394.55                    | -            | 1,333.95            |                              | TRAD             |
| 394431                                   | * NATL SCIENCE FOUNDATION      | GROSCH, C.                                     | 6086 | 10,335.69                     | 610.86                                   | -         | -                                      | 10,946.55          | 5,473.28                  | -            | 16,419.83           |                              | TRAD             |
| 300161                                   | * NATL SCIENCE FOUNDATION      | HOFFMANN, E.                                   | 6086 | 1,177.92                      | (49.04)                                  | -         | -                                      | 1,128.89           | 474.13                    | -            | 1,603.02            |                              | TRAD             |
| 386461                                   | * NATL SCIENCE FOUNDATION      | HOFFMANN, E.                                   | 6086 | 252.95                        | (14.84)                                  | -         | -                                      | 238.11             | 100.00                    | -            | 338.11              |                              | TRAD             |
| 392751                                   | * NATL SCIENCE FOUNDATION      | HOFFMANN, E.                                   | 6086 | 7,181.89                      | 291.04                                   | -         | -                                      | 7,472.93           | 3,736.47                  | -            | 11,209.40           |                              | TRAD             |
| 396852                                   | * NATL SCIENCE FOUNDATION      | HOFFMANN, E.                                   | 6086 | 8,865.71                      | 688.58                                   | -         | -                                      | 9,554.29           | 4,777.15                  | -            | 14,331.45           |                              | TRAD             |
| 322141                                   | * NATL SCIENCE FOUNDATION      | HOFFMANN, E.                                   | 6086 | 17,640.79                     | 16,072.02                                | -         | 75,810.71                              | 109,523.52         | 17,867.79                 | -            | 127,391.30          |                              | TRAD             |
| 382981                                   | NATL SCIENCE FOUNDATION        | HOFMANN, E.                                    | 6086 | 1,560.80                      | 710.00                                   | -         | -                                      | 2,270.80           | 953.73                    | -            | 3,224.53            |                              | TRAD             |
| 501411                                   | VA INST OF MARINE SCIENCE      | HOFMANN, E.                                    | 6086 | 22,329.14                     | 582.09                                   | -         | -                                      | 22,911.23          | 11,455.63                 | -            | 34,366.86           |                              | TRAD             |
| 300161                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 1,143.28                      | (47.60)                                  | -         | -                                      | 1,095.68           | 460.19                    | -            | 1,555.87            |                              | TRAD             |
| 306781                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 12,692.59                     | -  | -         | -                                      | 12,692.59          | 6,346.30                  | -            | 19,038.89           |                              | TRAD             |
| 322141                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 17,640.79                     | 16,072.02                                | -         | 75,810.71                              | 109,523.52         | 17,867.79                 | -            | 127,391.30          |                              | TRAD             |
| 386461                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 245.51                        | (14.41)                                  | -         | -                                      | 231.10             | 97.06                     | -            | 328.17              |                              | TRAD             |
| 392751                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 7,181.89                      | 291.04                                   | -         | -                                      | 7,472.93           | 3,736.47                  | -            | 11,209.40           |                              | TRAD             |
| 394241                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 25,652.20                     | 407.00                                   | -         | -                                      | 26,059.20          | 13,029.60                 | -            | 39,088.80           |                              | TRAD             |
| 396852                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 8,865.71                      | 688.58                                   | -         | -                                      | 9,554.29           | 4,777.15                  | -            | 14,331.45           |                              | TRAD             |
| 397111                                   | * NATL SCIENCE FOUNDATION      | KLINCK, J.                                     | 6086 | 20,760.14                     | 449.80                                   | -         | -                                      | 21,209.94          | 10,604.97                 | -            | 31,814.91           |                              | TRAD             |
| <b>6086 Total</b>                        |                                |  |      | <b>353,253.48</b>             | <b>44,868.15</b>                         | <b>-</b>  | <b>152,540.82</b>                      | <b>550,662.46</b>  | <b>166,450.97</b>         | <b>-</b>     | <b>717,113.42</b>   | <b>30.23%</b>                |                  |



**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER    | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |               |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-------------------|--------------------------------|---|------|-------------------------------|--|---------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|                   |                                |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT     | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| Psychology        |                                |   |      |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |
| 332831            | * NATL SCIENCE FOUNDATION      | ASH, I.                                   | 6087 | -                             | 171.87                                   | -             | -                                      | 171.87             | 91.09                     | -            | 262.96            |                     |                              | TRAD             |
| 301511            | US PUBLIC HEALTH SERVICE       | BARRACO, C.                               | 6087 | 55,645.68                     | 6,922.21                                 | -             | -                                      | 62,567.89          | 5,005.44                  | -            | 67,573.33         |                     |                              | TRAD             |
| 313921            | * US PUBLIC HEALTH SERVICE     | BARRACO, C.                               | 6087 | 8,777.30                      | 931.65                                   | -             | -                                      | 9,708.95           | 5,145.74                  | -            | 14,854.69         |                     |                              | TRAD             |
| 734781            | ADV ANTI-TERROR TECHNOLOGIES   | BLISS, J.                                 | 6087 | 29,423.90                     | 3,882.24                                 | -             | 1,666.00                               | 34,972.14          | -                         | -            | 34,972.14         |                     |                              | TRAD             |
| 315331            | US PUBLIC HEALTH SERVICE       | BRAITMAN, A.                              | 6087 | -                             | 5,640.98                                 | -             | 20,625.06                              | 26,266.04          | -                         | -            | 26,266.04         |                     |                              | TRAD             |
| 737511            | BATTELLE CORPORATION           | BRILL, C.                                 | 6087 | 5,442.25                      | 798.04                                   | -             | -                                      | 6,240.29           | 1,622.48                  | -            | 7,862.77          |                     |                              | TRAD             |
| 516242            | COLORADO STATE UNIVERSITY      | CIGULAROV, K.                             | 6087 | 1,919.46                      | -  | -             | -                                      | 1,919.46           | 479.87                    | -            | 2,399.33          |                     |                              | TRAD             |
| 390181            | * US PUBLIC HEALTH SERVICE     | HENSON, M.                                | 6087 | 7,419.69                      | 642.82                                   | -             | -                                      | 8,062.51           | 4,031.26                  | -            | 12,093.77         |                     |                              | TRAD             |
| 704271            | ABMRF/FDTN-ALCOHOL RESERACH    | HENSON, M.                                | 6087 | -                             | 2,097.61                                 | -             | -                                      | 2,097.61           | 314.64                    | -            | 2,412.25          |                     |                              | TRAD             |
| 390181            | * US PUBLIC HEALTH SERVICE     | KELLEY, M.                                | 6087 | 66,777.23                     | 5,785.40                                 | -             | -                                      | 72,562.63          | 36,281.32                 | -            | 108,843.95        |                     |                              | TRAD             |
| 390182            | US PUBLIC HEALTH SERVICE       | KELLEY, M.                                | 6087 | 5,836.60                      | 2,407.66                                 | -             | -                                      | 8,244.26           | 659.54                    | -            | 8,903.80          |                     |                              | TRAD             |
| 396311            | * US PUBLIC HEALTH SERVICE     | KELLEY, M.                                | 6087 | 2,731.84                      | 186.38                                   | -             | -                                      | 2,918.22           | 1,459.09                  | -            | 4,377.31          |                     |                              | TRAD             |
| 313921            | * US PUBLIC HEALTH SERVICE     | KELLEY, M.                                | 6087 | 8,777.30                      | 931.65                                   | -             | -                                      | 9,708.95           | 5,145.74                  | -            | 14,854.69         |                     |                              | TRAD             |
| 313921            | * US PUBLIC HEALTH SERVICE     | LEWIS, R.                                 | 6087 | 19,310.06                     | 2,049.63                                 | -             | -                                      | 21,359.69          | 11,320.63                 | -            | 32,680.32         |                     |                              | TRAD             |
| 525891            | VA INST OF MARINE SCIENCE      | MADHAVEN, P.                              | 6087 | 5,736.24                      | 542.60                                   | -             | -                                      | 6,278.84           | 3,327.78                  | -            | 9,606.62          |                     |                              | TRAD             |
| 332521            | NATL SCIENCE FOUNDATION        | MAJOR, D.                                 | 6087 | 26,363.24                     | 7,125.65                                 | -             | -                                      | 33,488.89          | 17,749.12                 | -            | 51,238.01         |                     |                              | TRAD             |
| 395151            | NATL SCIENCE FOUNDATION        | MAJOR, D.                                 | 6087 | 4,838.32                      | 2,636.33                                 | -             | -                                      | 7,474.65           | 3,737.33                  | -            | 11,211.98         |                     |                              | TRAD             |
| 395152            | * NATL SCIENCE FOUNDATION      | MAJOR, D.                                 | 6087 | 3,437.52                      | 9,725.74                                 | -             | -                                      | 13,163.25          | 3,290.82                  | -            | 16,454.07         |                     |                              | TRAD             |
| 395152            | * NATL SCIENCE FOUNDATION      | ORVIS, K.                                 | 6087 | 3,437.52                      | 9,725.74                                 | -             | -                                      | 13,163.25          | 3,290.82                  | -            | 16,454.07         |                     |                              | TRAD             |
| 313921            | * US PUBLIC HEALTH SERVICE     | PADILLA, M.                               | 6087 | 12,873.37                     | 1,366.42                                 | -             | -                                      | 14,239.79          | 7,547.09                  | -            | 21,786.88         |                     |                              | TRAD             |
| 524921            | VA DMV                         | PORTER, B.                                | 6087 | 28,193.75                     | 12,811.32                                | -             | 0.01                                   | 41,005.08          | 4,100.50                  | -            | 45,105.58         |                     |                              | TRAD             |
| 524931            | VA DMV                         | PORTER, B.                                | 6087 | 35,170.18                     | 25,720.52                                | -             | 4,085.00                               | 64,975.70          | 6,089.07                  | -            | 71,064.77         |                     |                              | TRAD             |
| 537781            | VA DMV                         | PORTER, B.                                | 6087 | 7,985.40                      | -  | -             | -                                      | 7,985.40           | 798.55                    | -            | 8,783.95          |                     |                              | TRAD             |
| 537791            | VA DMV                         | PORTER, B.                                | 6087 | 18,509.90                     | 15,340.19                                | -             | -                                      | 33,850.09          | 3,385.01                  | -            | 37,235.10         |                     |                              | TRAD             |
| 304941            | * US PUBLIC HEALTH SERVICE     | SCERBO, M.                                | 6087 | 19,724.00                     | 2,226.67                                 | 327.61        | 45,398.09                              | 67,676.36          | 11,633.86                 | -            | 79,310.22         |                     |                              | TRAD             |
| 506651            | * EASTERN VIRGINIA MED. SCHOOL | SCERBO, M.                                | 6087 | 8,181.23                      | 941.67                                   | -             | -                                      | 9,122.90           | 2,371.95                  | -            | 11,494.86         |                     |                              | TRAD             |
| 531742            | * ODU                          | SCERBO, M.                                | 6087 | 131.53                        | -  | 75.39         | 74.28                                  | 281.20             | -                         | -            | 281.20            |                     |                              | TRAD             |
| 531743            | * ODU                          | SCERBO, M.                                | 6087 | -                             | -  | -             | 4.85                                   | 4.85               | -                         | -            | 4.85              |                     |                              | TRAD             |
| 540723            | * ODU                          | SCERBO, M.                                | 6087 | 1,880.94                      | 87.66                                    | -             | -                                      | 1,968.59           | -                         | -            | 1,968.59          |                     |                              | TRAD             |
| 540724            | * ODU                          | SCERBO, M.                                | 6087 | 2,012.14                      | -  | -             | -                                      | 2,012.14           | -                         | -            | 2,012.14          |                     |                              | TRAD             |
| 714851            | MEDICAL CYBERWORLDS, INC.      | SCERBO, M.                                | 6087 | 25,233.37                     | -  | -             | -                                      | 25,233.37          | 13,373.68                 | -            | 38,607.05         |                     |                              | TRAD             |
| 313921            | * US PUBLIC HEALTH SERVICE     | WINSTEAD, B.                              | 6087 | 8,777.30                      | 931.65                                   | -             | -                                      | 9,708.95           | 5,145.74                  | -            | 14,854.69         |                     |                              | TRAD             |
| <b>6087 Total</b> |                                |   |      | <b>424,547.24</b>             | <b>121,630.28</b>                        | <b>403.00</b> | <b>71,853.28</b>                       | <b>618,433.80</b>  | <b>157,398.15</b>         | <b>-</b>     | <b>775,831.96</b> | <b>25.45%</b>       |                              |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |            | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRIZE CODE |
|----------------|--------------------------------|---|------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|------------|---------------------|------------------------------|------------------|
|                |                                |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |            |                     |                              |                  |
| 350314         | * US DEPT OF ENERGY            | AMARIAN, M.                               | 6090 | 38,206.28                     | 2,653.10                                 | 25.68     | -                                      | 40,885.05          | 20,429.69                 | -            | 61,314.75  | TRAD                |                              |                  |
| 310491         | * NATL SCIENCE FOUNDATION      | ARETI, H.                                 | 6090 | -                             | -  | -         | 27,555.03                              | 27,555.03          | 4,500.00                  | -            | 32,055.03  | TRAD                |                              |                  |
| 370662         | * US DEPT OF ENERGY            | BALITSKY, I.                              | 6090 | -                             | 248.89                                   | -         | -                                      | 248.89             | 124.45                    | -            | 373.34     | TRAD                |                              |                  |
| 370663         | * US DEPT OF ENERGY            | BALITSKY, I.                              | 6090 | 6,970.21                      | 297.54                                   | -         | 1,652.80                               | 8,920.55           | 3,851.91                  | -            | 12,772.46  | TRAD                |                              |                  |
| 300701         | * NATL SCIENCE FOUNDATION      | BUELTMANN, S.                             | 6090 | 6,740.17                      | 3,133.35                                 | 3,646.58  | 22,797.65                              | 36,317.75          | 4,936.77                  | -            | 41,254.51  | TRAD                |                              |                  |
| 310491         | * NATL SCIENCE FOUNDATION      | BUELTMANN, S.                             | 6090 | -                             | -  | -         | 9,185.01                               | 9,185.01           | 1,500.00                  | -            | 10,685.01  | TRAD                |                              |                  |
| 350314         | * US DEPT OF ENERGY            | BUELTMANN, S.                             | 6090 | 38,206.28                     | 2,653.10                                 | 25.68     | -                                      | 40,885.05          | 20,429.69                 | -            | 61,314.75  | TRAD                |                              |                  |
| 706141         | * JEFFERSON SCIENCE ASSOCIATES | BUELTMANN, S.                             | 6090 | 10,109.59                     | 3,301.06                                 | -         | -                                      | 13,410.64          | 3,620.87                  | -            | 17,031.52  | TRAD                |                              |                  |
| 303981         | NATL SCIENCE FOUNDATION        | DE PAOR, D.                               | 6090 | 33,728.23                     | 19,398.95                                | -         | -                                      | 53,127.18          | 26,563.60                 | -            | 79,690.78  | TRAD                |                              |                  |
| 304931         | * NATL SCIENCE FOUNDATION      | DE PAOR, D.                               | 6090 | 695.52                        | -  | -         | -                                      | 695.52             | 347.76                    | -            | 1,043.28   | TRAD                |                              |                  |
| 340681         | * NATL SCIENCE FOUNDATION      | DE PAOR, D.                               | 6090 | -                             | 1,431.81                                 | -         | -                                      | 1,431.81           | 758.86                    | -            | 2,190.67   | TRAD                |                              |                  |
| 306582         | FERMI NATIONAL ACCELERATOR LAB | DELAYEN, J.                               | 6090 | -                             | -  | -         | 5,029.51                               | 5,029.51           | 2,666.00                  | -            | 7,695.51   | TRAD                |                              |                  |
| 330131         | * US DEPT OF ENERGY            | DELAYEN, J.                               | 6090 | 7,845.90                      | -  | -         | -                                      | 7,845.90           | 4,158.33                  | -            | 12,004.23  | TRAD                |                              |                  |
| 396741         | US DEPT OF ENERGY              | DELAYEN, J.                               | 6090 | 12,650.80                     | 11,754.74                                | 54,590.00 | -                                      | 78,995.54          | 12,202.78                 | -            | 91,198.32  | TRAD                |                              |                  |
| 706051         | NIOWAVE, INC.                  | DELAYEN, J.                               | 6090 | -                             | 4,384.36                                 | -         | 17,531.81                              | 21,916.17          | 10,958.54                 | -            | 32,874.71  | TRAD                |                              |                  |
| 706053         | NIOWAVE, INC.                  | DELAYEN, J.                               | 6090 | 37,106.32                     | 5,353.26                                 | -         | -                                      | 42,459.58          | 21,229.81                 | -            | 63,689.39  | TRAD                |                              |                  |
| 706055         | NIOWAVE, INC.                  | DELAYEN, J.                               | 6090 | 44,734.94                     | 35,062.54                                | 1,999.92  | -                                      | 81,797.40          | 39,898.76                 | -            | 121,696.16 | TRAD                |                              |                  |
| 724841         | NIOWAVE, INC.                  | DELAYEN, J.                               | 6090 | 14,917.09                     | -  | -         | -                                      | 14,917.09          | 7,906.04                  | -            | 22,823.13  | TRAD                |                              |                  |
| 350314         | * US DEPT OF ENERGY            | DODGE, G.                                 | 6090 | 38,229.21                     | 2,654.69                                 | 25.70     | -                                      | 40,909.60          | 20,441.95                 | -            | 61,351.55  | TRAD                |                              |                  |
| 706141         | * JEFFERSON SCIENCE ASSOCIATES | DODGE, G.                                 | 6090 | 5,054.79                      | 1,650.53                                 | -         | -                                      | 6,705.32           | 1,810.44                  | -            | 8,515.76   | TRAD                |                              |                  |
| 310581         | US DEPT OF ENERGY              | DUDEK, J.                                 | 6090 | -                             | 14,865.71                                | -         | -                                      | 14,865.71          | 3,865.09                  | -            | 18,730.80  | TRAD                |                              |                  |
| 370662         | * US DEPT OF ENERGY            | DUDEK, J.                                 | 6090 | -                             | 248.89                                   | -         | -                                      | 248.89             | 124.45                    | -            | 373.34     | TRAD                |                              |                  |
| 370663         | * US DEPT OF ENERGY            | DUDEK, J.                                 | 6090 | 6,970.21                      | 297.54                                   | -         | 1,652.80                               | 8,920.55           | 3,851.91                  | -            | 12,772.46  | TRAD                |                              |                  |
| 510881         | ODU                            | DUDEK, J.                                 | 6090 | 52,117.52                     | 2,770.76                                 | -         | -                                      | 54,888.28          | 27,444.17                 | -            | 82,332.45  | TRAD                |                              |                  |
| 330131         | * US DEPT OF ENERGY            | GUREVICH, A.                              | 6090 | 7,845.90                      | -  | -         | -                                      | 7,845.90           | 4,158.33                  | -            | 12,004.23  | TRAD                |                              |                  |
| 312001         | NATL SCIENCE FOUNDATION        | HAVEY, M.                                 | 6090 | 33,450.08                     | 13,776.36                                | 4,795.00  | -                                      | 52,021.44          | 23,613.23                 | -            | 75,634.67  | TRAD                |                              |                  |
| 316981         | BROOKHAVEN NATIONAL LABORATORY | HYDE, C.                                  | 6090 | 4,243.96                      | -  | -         | -                                      | 4,243.96           | 2,249.30                  | -            | 6,493.26   | TRAD                |                              |                  |
| 350314         | * US DEPT OF ENERGY            | HYDE, C.                                  | 6090 | 38,229.21                     | 2,654.69                                 | 25.70     | -                                      | 40,909.60          | 20,441.95                 | -            | 61,351.55  | TRAD                |                              |                  |
| 300701         | * NATL SCIENCE FOUNDATION      | KUHN, S.                                  | 6090 | 6,740.17                      | 3,133.35                                 | 3,646.58  | 22,797.65                              | 36,317.75          | 4,936.77                  | -            | 41,254.51  | TRAD                |                              |                  |
| 317371         | * US DEPT OF ENERGY            | KUHN, S.                                  | 6090 | 18,336.42                     | 2,670.97                                 | -         | -                                      | 21,007.38          | 10,503.70                 | -            | 31,511.08  | TRAD                |                              |                  |
| 350314         | * US DEPT OF ENERGY            | KUHN, S.                                  | 6090 | 38,229.21                     | 2,654.69                                 | 25.70     | -                                      | 40,909.60          | 20,441.95                 | -            | 61,351.55  | TRAD                |                              |                  |
| 370662         | * US DEPT OF ENERGY            | RADYUSHKIN, A.                            | 6090 | -                             | 248.89                                   | -         | -                                      | 248.89             | 124.45                    | -            | 373.34     | TRAD                |                              |                  |
| 370663         | * US DEPT OF ENERGY            | RADYUSHKIN, A.                            | 6090 | 6,970.21                      | 297.54                                   | -         | 1,652.80                               | 8,920.55           | 3,851.91                  | -            | 12,772.46  | TRAD                |                              |                  |
| 370662         | * US DEPT OF ENERGY            | SCHIAVILLA, R.                            | 6090 | -                             | 248.89                                   | -         | -                                      | 248.89             | 124.45                    | -            | 373.34     | TRAD                |                              |                  |
| 370663         | * US DEPT OF ENERGY            | SCHIAVILLA, R.                            | 6090 | 6,970.21                      | 297.54                                   | -         | 1,652.80                               | 8,920.55           | 3,851.91                  | -            | 12,772.46  | TRAD                |                              |                  |

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SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER    | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |      | PROJECT DIRECT COST           |  |                  |  |                     | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-------------------|--------------------------------|--|------|-------------------------------|--|------------------|--|---------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|                   |                                |  |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT        | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS  | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| 325901            | ARGONNE NATIONAL LABORATORIES  | SUKENIK, C.                                    | 6090 | 1,004.35                      | -  | -                | -                                      | 1,004.35            | 261.13                    | -            | 1,265.48            | TRAD                         |                  |
| 391441            | NATL SCIENCE FOUNDATION        | SUKENIK, C.                                    | 6090 | 2,805.92                      | 4,979.31                                 | -                | -                                      | 7,785.23            | 3,892.62                  | -            | 11,677.85           | TRAD                         |                  |
| 712331            | JEFFERSON SCIENCE ASSOCIATES   | SUKENIK, C.                                    | 6090 | 100,762.56                    | -  | -                | -                                      | 100,762.56          | -                         | -            | 100,762.56          | TRAD                         |                  |
| 730231            | JEFFERSON SCIENCE ASSOCIATES   | SUKENIK, C.                                    | 6090 | 131,529.50                    | -  | -                | -                                      | 131,529.50          | -                         | -            | 131,529.50          | TRAD                         |                  |
| 730232            | JEFFERSON SCIENCE ASSOCIATES   | SUKENIK, C.                                    | 6090 | 87,769.71                     | -  | -                | -                                      | 87,769.71           | -                         | -            | 87,769.71           | TRAD                         |                  |
| 730671            | JEFFERSON SCIENCE ASSOCIATES   | SUKENIK, C.                                    | 6090 | -                             | -  | -                | 1,999.98                               | 1,999.98            | -                         | -            | 1,999.98            | TRAD                         |                  |
| 737401            | JEFFERSON SCIENCE ASSOCIATES   | SUKENIK, C.                                    | 6090 | -                             | -  | -                | 5,684.22                               | 5,684.22            | -                         | -            | 5,684.22            | TRAD                         |                  |
| 370662            | * US DEPT OF ENERGY            | VAN ORDEN, J.                                  | 6090 | -                             | 248.89                                   | -                | -                                      | 248.89              | 124.45                    | -            | 373.34              | TRAD                         |                  |
| 370663            | * US DEPT OF ENERGY            | VAN ORDEN, J.                                  | 6090 | 6,970.21                      | 297.54                                   | -                | 1,652.80                               | 8,920.55            | 3,851.91                  | -            | 12,772.46           | TRAD                         |                  |
| 127221            | NASA-LANGLEY RESEARCH CENTER   | VUSKOVIC, L.                                   | 6090 | -                             | -  | -                | 39.98                                  | 39.98               | 9.96                      | -            | 49.94               | TRAD                         |                  |
| 325111            | US DEPT OF ENERGY              | VUSKOVIC, L.                                   | 6090 | 37,961.37                     | 18,709.81                                | 5,325.15         | -                                      | 61,996.33           | 30,035.72                 | -            | 92,032.05           | TRAD                         |                  |
| 730681            | NATL INST AEROSPACE ASSOC      | VUSKOVIC, L.                                   | 6090 | 68.57                         | -  | -                | -                                      | 68.57               | 17.83                     | -            | 86.40               | TRAD                         |                  |
| 731511            | JEFFERSON SCIENCE ASSOCIATES   | VUSKOVIC, L.                                   | 6090 | 52,462.67                     | 11,661.68                                | -                | -                                      | 64,124.35           | -                         | -            | 64,124.35           | TRAD                         |                  |
| 317371            | * US DEPT OF ENERGY            | WEINSTEIN, L.                                  | 6090 | 18,336.42                     | 2,670.97                                 | -                | -                                      | 21,007.38           | 10,503.70                 | -            | 31,511.08           | TRAD                         |                  |
| 350314            | * US DEPT OF ENERGY            | WEINSTEIN, L.                                  | 6090 | 38,229.21                     | 2,654.69                                 | 25.70            | -                                      | 40,909.60           | 20,441.95                 | -            | 61,351.55           | TRAD                         |                  |
| 706141            | * JEFFERSON SCIENCE ASSOCIATES | WEINSTEIN, L.                                  | 6090 | 10,109.59                     | 3,301.06                                 | -                | -                                      | 13,410.64           | 3,620.87                  | -            | 17,031.52           | TRAD                         |                  |
| <b>6090 Total</b> |                                |  |      | <b>1,003,308.53</b>           | <b>182,667.67</b>                        | <b>74,157.36</b> | <b>120,884.84</b>                      | <b>1,381,018.40</b> | <b>410,679.94</b>         | <b>-</b>     | <b>1,791,698.34</b> | <b>29.74%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER        | SPONSORING AGENCY               | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT | PROJECT DIRECT COST           |  |                      |  |                        | PROJECT IDC AND FEES      |              |                        | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|-----------------------|---------------------------------|---|------|-------------------------------|--|----------------------|--|------------------------|---------------------------|--------------|------------------------|------------------------------|------------------|
|                       |                                 |   |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT            | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS     | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS    |                              |                  |
| Computer Sciences     |                                 |   |      |                               |  |                      |  |                        |                           |              |                        |                              |                  |
| 311072                | * NATL SCIENCE FOUNDATION       | CHERNIKOV, A.                             | 6093 | 1,122.27                      | -  | -                    | 316.66                                 | 1,438.94               | 280.57                    | -            | 1,719.50               |                              | TRAD             |
| 314082                | * NATL SCIENCE FOUNDATION       | CHERNIKOV, A.                             | 6093 | 3,451.29                      | -  | -                    | -                                      | 3,451.29               | 862.82                    | -            | 4,314.11               |                              | TRAD             |
| 311072                | * NATL SCIENCE FOUNDATION       | CHRISOCHOIDES, N.                         | 6093 | 280.57                        | -  | -                    | 79.17                                  | 359.73                 | 70.14                     | -            | 429.88                 |                              | TRAD             |
| 314071                | NATL SCIENCE FOUNDATION         | CHRISOCHOIDES, N.                         | 6093 | 38,705.37                     | 2,515.78                                 | -                    | -                                      | 41,221.15              | 20,610.59                 | -            | 61,831.74              |                              | TRAD             |
| 314081                | NATL SCIENCE FOUNDATION         | CHRISOCHOIDES, N.                         | 6093 | 404.12                        | -  | -                    | -                                      | 404.12                 | 202.06                    | -            | 606.18                 |                              | TRAD             |
| 314082                | * NATL SCIENCE FOUNDATION       | CHRISOCHOIDES, N.                         | 6093 | 862.82                        | -  | -                    | -                                      | 862.82                 | 215.71                    | -            | 1,078.53               |                              | TRAD             |
| 336931                | NATL SCIENCE FOUNDATION         | CHRISOCHOIDES, N.                         | 6093 | -                             | 900.00                                   | -                    | 8,856.48                               | 9,756.48               | 477.00                    | -            | 10,233.48              |                              | TRAD             |
| 523941                | * ODU                           | HE, J.                                    | 6093 | -                             | -  | -                    | (5.38)                                 | (5.38)                 | -                         | -            | (5.38)                 |                              | TRAD             |
| 332831                | * NATL SCIENCE FOUNDATION       | HE, W.                                    | 6093 | -                             | 171.87                                   | -                    | -                                      | 171.87                 | 91.09                     | -            | 262.96                 |                              | TRAD             |
| 316291                | NATL SCIENCE FOUNDATION         | JI, S.                                    | 6093 | 31,047.88                     | 3,283.16                                 | -                    | -                                      | 34,331.04              | 18,195.45                 | -            | 52,526.49              |                              | TRAD             |
| 533531                | ODU                             | JI, S.                                    | 6093 | 18,483.07                     | 1,000.56                                 | -                    | -                                      | 19,483.63              | -                         | -            | 19,483.63              |                              | TRAD             |
| 332831                | * NATL SCIENCE FOUNDATION       | LI, L.                                    | 6093 | -                             | 171.87                                   | -                    | -                                      | 171.87                 | 91.09                     | -            | 262.96                 |                              | TRAD             |
| 310631                | NATL SCIENCE FOUNDATION         | LI, Y.                                    | 6093 | 24,439.56                     | 3,223.75                                 | -                    | -                                      | 27,663.31              | 13,831.67                 | -            | 41,494.98              |                              | TRAD             |
| 533561                | * ODU                           | LI, Y.                                    | 6093 | 7,929.21                      | -  | -                    | -                                      | 7,929.21               | -                         | -            | 7,929.21               |                              | TRAD             |
| 525911                | HMPPT ROADS PLAN DISTRICT COMM  | MALY, K.                                  | 6093 | -                             | -  | -                    | 302.09                                 | 302.09                 | 78.88                     | -            | 380.97                 |                              | TRAD             |
| 720841                | CHIRPXM, INC.                   | MALY, K.                                  | 6093 | 823.15                        | -  | -                    | -                                      | 823.15                 | 214.02                    | -            | 1,037.17               |                              | TRAD             |
| 726221                | SIMIS, INC.                     | MALY, K.                                  | 6093 | 22,349.89                     | -  | -                    | -                                      | 22,349.89              | 5,810.97                  | -            | 28,160.86              |                              | TRAD             |
| 726991                | MIND MATTERS, LLC               | MALY, K.                                  | 6093 | -                             | -  | -                    | 41.05                                  | 41.05                  | 10.68                     | -            | 51.73                  |                              | TRAD             |
| 731701                | E&E ENTERPRISES                 | MALY, K.                                  | 6093 | 31,439.83                     | -  | -                    | -                                      | 31,439.83              | 8,174.35                  | -            | 39,614.18              |                              | TRAD             |
| 736721                | ABS ENTERPRISE SERVICES GROUP   | MALY, K.                                  | 6093 | 10,256.39                     | -  | -                    | -                                      | 10,256.39              | 2,666.66                  | -            | 12,923.05              |                              | TRAD             |
| 737411                | RESITE ONLINE, INC.             | MALY, K.                                  | 6093 | 16,518.84                     | -  | -                    | -                                      | 16,518.84              | 4,294.89                  | -            | 20,813.73              |                              | TRAD             |
| 774451                | PRENTICE HALL BUS PUBLISHING    | MALY, K.                                  | 6093 | -                             | 585.99                                   | -                    | -                                      | 585.99                 | -                         | -            | 585.99                 |                              | TRAD             |
| 733861                | * LMI                           | MUKKAMALA, R.                             | 6093 | 3,371.30                      | 128.35                                   | -                    | -                                      | 3,499.65               | 1,854.81                  | -            | 5,354.46               |                              | TRAD             |
| 334001                | NATL SCIENCE FOUNDATION         | NADEEM, T.                                | 6093 | -                             | -  | -                    | 17,905.95                              | 17,905.95              | -                         | -            | 17,905.95              |                              | TRAD             |
| 523911                | * ODU                           | NADEEM, T.                                | 6093 | -                             | (398.33)                                 | -                    | -                                      | (398.33)               | -                         | -            | (398.33)               |                              | TRAD             |
| 724371                | SIEMENS AUTOMOTIVE INC.         | NADEEM, T.                                | 6093 | -                             | -  | -                    | 38.55                                  | 38.55                  | 20.23                     | -            | 58.78                  |                              | TRAD             |
| 302781                | NATL SCIENCE FOUNDATION         | NELSON, M.                                | 6093 | 43,166.21                     | 6,857.84                                 | -                    | -                                      | 50,024.05              | 25,012.04                 | -            | 75,036.09              |                              | TRAD             |
| 305601                | LIBRARY OF CONGRESS             | NELSON, M.                                | 6093 | 14,334.44                     | 1,361.95                                 | -                    | -                                      | 15,696.39              | 7,848.20                  | -            | 23,544.59              |                              | TRAD             |
| 722811                | NATL INFORMATION STANDARDS ORG  | NELSON, M.                                | 6093 | 9,228.38                      | -  | -                    | -                                      | 9,228.38               | 1,107.41                  | -            | 10,335.79              |                              | TRAD             |
| 736411                | ANDREW W. MELLON FOUNDATION     | NELSON, M.                                | 6093 | 19,189.34                     | -  | -                    | -                                      | 19,189.34              | -                         | -            | 19,189.34              |                              | TRAD             |
| 313011                | * NATL SCIENCE FOUNDATION       | OLARIU, S.                                | 6093 | 23,315.43                     | 997.30                                   | -                    | -                                      | 24,312.73              | 12,156.37                 | -            | 36,469.10              |                              | TRAD             |
| 313012                | * NATL SCIENCE FOUNDATION       | OLARIU, S.                                | 6093 | 2,970.45                      | -  | -                    | -                                      | 2,970.45               | -                         | -            | 2,970.45               |                              | TRAD             |
| 712336                | * JEFFERSON SCIENCE ASSOCIATES  | RANJAN, D.                                | 6093 | 2,997.97                      | -  | -                    | -                                      | 2,997.97               | -                         | -            | 2,997.97               |                              | TRAD             |
| 731311                | LIBERTY TAX SERVICE             | RANJAN, D.                                | 6093 | 11,868.58                     | -  | -                    | -                                      | 11,868.58              | 6,290.33                  | -            | 18,158.91              |                              | TRAD             |
| 313011                | * NATL SCIENCE FOUNDATION       | WEIGLE, M.                                | 6093 | 23,315.43                     | 997.30                                   | -                    | -                                      | 24,312.73              | 12,156.37                 | -            | 36,469.10              |                              | TRAD             |
| 313012                | * NATL SCIENCE FOUNDATION       | WEIGLE, M.                                | 6093 | 2,970.45                      | -  | -                    | -                                      | 2,970.45               | -                         | -            | 2,970.45               |                              | TRAD             |
| 330981                | NATL ENDOWMENT/HUMANITIES       | WEIGLE, M.                                | 6093 | 14,795.95                     | 529.53                                   | -                    | -                                      | 15,325.48              | 8,122.49                  | -            | 23,447.97              |                              | TRAD             |
| 730771                | * WORLD TECH INTERNATIONAL, LLC | WEIGLE, M.                                | 6093 | 775.81                        | -  | -                    | -                                      | 775.81                 | -                         | -            | 775.81                 |                              | TRAD             |
| 332831                | * NATL SCIENCE FOUNDATION       | XU, L.                                    | 6093 | -                             | 171.87                                   | -                    | -                                      | 171.87                 | 91.09                     | -            | 262.96                 |                              | TRAD             |
| 526526                | VA DEPT ENVIRON QUALITY         | ZUBAIR, M.                                | 6093 | 2,299.44                      | -  | -                    | 3,664.70                               | 5,964.14               | 596.22                    | -            | 6,560.36               |                              | TRAD             |
| 712336                | * JEFFERSON SCIENCE ASSOCIATES  | ZUBAIR, M.                                | 6093 | 2,997.97                      | -  | -                    | -                                      | 2,997.97               | -                         | -            | 2,997.97               |                              | TRAD             |
| 780051                | IBM                             | ZUBAIR, M.                                | 6093 | 18,357.79                     | -  | -                    | -                                      | 18,357.79              | -                         | -            | 18,357.79              |                              | TRAD             |
| <b>6093 Total</b>     |                                 |   |      | 404,069.19                    | 22,498.79                                | -                    | 31,199.27                              | 457,767.25             | 151,434.20                | -            | 609,201.45             | 33.08%                       |                  |
| <b>TOTAL SCIENCES</b> |                                 |   |      | <b>\$ 4,338,900.20</b>        | <b>\$ 1,025,823.06</b>                   | <b>\$ 664,471.37</b> | <b>\$ 575,938.87</b>                   | <b>\$ 6,597,273.05</b> | <b>\$ 1,776,621.70</b>    | <b>\$ -</b>  | <b>\$ 8,373,894.75</b> | <b>26.93%</b>                |                  |

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**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                              | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT   | PROJECT DIRECT COST           |  |               |  |                    | PROJECT IDC AND FEES      |              |                   | TOTAL PROJECT COSTS | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|--------------------------------|---|--------|-------------------------------|--|---------------|--|--------------------|---------------------------|--------------|-------------------|---------------------|------------------------------|------------------|
|   |                                |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT     | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES |                   |                     |                              |                  |
| <b>OFFICE OF RESEARCH AND OTHER UNITS</b>   |                                |   |        |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |
| CBE - Frank Reidy Center for Bioelectronics |                                |   |        |                               |  |               |  |                    |                           |              |                   |                     |                              |                  |
| 213941                                      | * ARMY MED RES COMMAND         | BEEBE, S.                                 | 9010.2 | 6,774.37                      | 3,185.83                                 | -             | -                                      | 9,960.20           | 5,662.38                  | -            | 15,622.58         |                     | CBE                          |                  |
| 522541                                      | * CENTER INNOVATIVE TECHNOLOGY | BEEBE, S.                                 | 9010.2 | 2,757.18                      | 5,019.16                                 | -             | -                                      | 7,776.34           | -                         | -            | 7,776.34          |                     | CBE                          |                  |
| 213941                                      | * ARMY MED RES COMMAND         | CHEN, Y.                                  | 9010.2 | 6,774.37                      | 3,185.83                                 | -             | -                                      | 9,960.20           | 5,662.38                  | -            | 15,622.58         |                     | CBE                          |                  |
| 522541                                      | * CENTER INNOVATIVE TECHNOLOGY | CHEN, Y.                                  | 9010.2 | 1,930.03                      | 3,513.41                                 | -             | -                                      | 5,443.44           | -                         | -            | 5,443.44          |                     | CBE                          |                  |
| 734462                                      | ONCOSEC MEDICAL, INC.          | HELLER, R.                                | 9010.2 | 6,141.72                      | 3,877.24                                 | -             | -                                      | 10,018.96          | 5,310.05                  | -            | 15,329.01         |                     | CBE                          |                  |
| 734463                                      | ONCOSEC MEDICAL, INC.          | HELLER, R.                                | 9010.2 | 6,141.72                      | 1,702.40                                 | -             | -                                      | 7,844.12           | 4,157.38                  | -            | 12,001.50         |                     | CBE                          |                  |
| 533501                                      | * CENTER INNOVATIVE TECHNOLOGY | MALIK, M.                                 | 9010.2 | 10,368.95                     | 720.08                                   | -             | -                                      | 11,089.03          | 3,326.71                  | -            | 14,415.74         |                     | CBE                          |                  |
| 302401                                      | * US PUBLIC HEALTH SERVICE     | PAKHOMOV, A.                              | 9010.2 | 20,062.57                     | 6,020.89                                 | -             | -                                      | 26,083.46          | 13,041.74                 | -            | 39,125.21         |                     | CBE                          |                  |
| 523941                                      | * ODU                          | PAKHOMOV, A.                              | 9010.2 | -                             | -  | -             | (0.89)                                 | (0.89)             | -                         | -            | (0.89)            |                     | CBE                          |                  |
| 786307                                      | * GENERAL DYNAMICS             | PAKHOMOV, A.                              | 9010.2 | 32,427.90                     | 708.33                                   | -             | -                                      | 33,136.23          | 16,568.12                 | -            | 49,704.34         |                     | CBE                          |                  |
| 302401                                      | * US PUBLIC HEALTH SERVICE     | PAKHOMOVA, O.                             | 9010.2 | 4,299.12                      | 1,290.19                                 | -             | -                                      | 5,589.31           | 2,794.66                  | -            | 8,383.97          |                     | CBE                          |                  |
| 523941                                      | * ODU                          | PAKHOMOVA, O.                             | 9010.2 | -                             | -  | -             | (0.89)                                 | (0.89)             | -                         | -            | (0.89)            |                     | CBE                          |                  |
| 786307                                      | * GENERAL DYNAMICS             | PAKHOMOVA, O.                             | 9010.2 | 32,427.90                     | 708.33                                   | -             | -                                      | 33,136.23          | 16,568.12                 | -            | 49,704.34         |                     | CBE                          |                  |
| 533501                                      | * CENTER INNOVATIVE TECHNOLOGY | SCHOENBACH, K.                            | 9010.2 | 5,184.48                      | 360.04                                   | -             | -                                      | 5,544.51           | 1,663.36                  | -            | 7,207.87          |                     | CBE                          |                  |
| 786306                                      | * GENERAL DYNAMICS             | SCHOENBACH, K.                            | 9010.2 | 11,017.89                     | 427.59                                   | 395.40        | -                                      | 11,840.89          | 5,722.75                  | -            | 17,563.64         |                     | CBE                          |                  |
| 330801                                      | * US PUBLIC HEALTH SERVICE     | STACEY, M.                                | 9010.2 | 22,552.66                     | 28,027.08                                | -             | 2,531.00                               | 53,110.74          | 26,807.26                 | -            | 79,918.00         |                     | CBE                          |                  |
| 736891                                      | LIFENET TRANSPLANT SERVICES    | ZEMLIN, C.                                | 9010.2 | 99.43                         | 2,562.67                                 | -             | -                                      | 2,662.10           | 1,410.92                  | -            | 4,073.02          |                     | CBE                          |                  |
| <b>9010.2 Total</b>                         |                                |   |        | <b>168,960.28</b>             | <b>61,309.07</b>                         | <b>395.40</b> | <b>2,529.22</b>                        | <b>233,193.97</b>  | <b>108,695.81</b>         | <b>-</b>     | <b>341,889.78</b> | <b>46.61%</b>       |                              |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
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**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER  | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |        | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|----------------------------------|--|--------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|   |                                  |  |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| VMASC - Virginia Modeling, Analysis & Simulation Center |                                  |  |        |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 736821  | * CUBIC APPLICATIONS, INC.       | BARRACO, C.                                    | 9010.3 | 44,368.63                     | 3,934.99                                 | -         | 823.26                                 | 49,126.87          | 26,332.95                 | -            | 75,459.82           | VMASC                        |                  |
| 311871  | * US PUBLIC HEALTH SERVICE       | BEHR, J.                                       | 9010.3 | 22,678.04                     | 1,903.69                                 | -         | -                                      | 24,581.73          | 13,028.31                 | -            | 37,610.04           | VMASC                        |                  |
| 530101  | * VA DEP OF EMERGENCY MANAGEMENT | BEHR, J.                                       | 9010.3 | 2,960.40                      | -  | -         | 4,843.70                               | 7,804.10           | 769.70                    | -            | 8,573.80            | VMASC                        |                  |
| 540723  | * ODU                            | BEHR, J.                                       | 9010.3 | 1,253.96                      | 58.44                                    | -         | -                                      | 1,312.40           | -                         | -            | 1,312.40            | VMASC                        |                  |
| 540724  | * ODU                            | BEHR, J.                                       | 9010.3 | 1,341.42                      | -  | -         | -                                      | 1,341.42           | -                         | -            | 1,341.42            | VMASC                        |                  |
| 540721  | * ODU                            | BERRY, C.                                      | 9010.3 | 38,721.88                     | 1,600.00                                 | -         | -                                      | 40,321.88          | -                         | -            | 40,321.88           | VMASC                        |                  |
| 540723  | * ODU                            | BERRY, C.                                      | 9010.3 | 3,918.62                      | 182.62                                   | -         | -                                      | 4,101.24           | -                         | -            | 4,101.24            | VMASC                        |                  |
| 540724  | * ODU                            | BERRY, C.                                      | 9010.3 | 4,191.95                      | -  | -         | -                                      | 4,191.95           | -                         | -            | 4,191.95            | VMASC                        |                  |
| 531742  | * ODU                            | BERRY, C.                                      | 9010.3 | 526.13                        | -  | 301.56    | 297.12                                 | 1,124.82           | -                         | -            | 1,124.82            | VMASC                        |                  |
| 531743  | * ODU                            | BERRY, C.                                      | 9010.3 | -                             | -  | -         | 19.38                                  | 19.38              | -                         | -            | 19.38               | VMASC                        |                  |
| 537561  | * EASTERN VIRGINIA MED. SCHOOL   | BERRY, C.                                      | 9010.3 | 1,779.28                      | -  | -         | -                                      | 1,779.28           | 177.93                    | -            | 1,957.21            | VMASC                        |                  |
| 514421  | * VA DEPT OF TRANSPORTATION      | CETIN, M.                                      | 9010.3 | -                             | -  | -         | 9.26                                   | 9.26               | 0.96                      | -            | 10.22               | VMASC                        |                  |
| 533071  | * CITY OF VIRGINIA BEACH         | CETIN, M.                                      | 9010.3 | 58,333.24                     | 2,950.49                                 | -         | 23,983.75                              | 85,267.48          | 32,480.38                 | -            | 117,747.86          | VMASC                        |                  |
| 530722  | * VA DEP OF EMERGENCY MANAGEMENT | COLLINS, A.                                    | 9010.3 | 292.18                        | 182.91                                   | -         | -                                      | 475.09             | 123.52                    | -            | 598.62              | VMASC                        |                  |
| 530723  | * VA DEP OF EMERGENCY MANAGEMENT | COLLINS, A.                                    | 9010.3 | 33,245.32                     | 14,644.54                                | -         | -                                      | 47,889.86          | 16,761.45                 | -            | 64,651.31           | VMASC                        |                  |
| 225071  | * ARMY MED RES COMMAND           | CROLL, M.                                      | 9010.3 | 6,830.69                      | 221.50                                   | -         | 10,837.36                              | 17,889.55          | 4,231.32                  | -            | 22,120.87           | VMASC                        |                  |
| 282020  | * NAVSUP FLEET LOGISTICS NORFOLK | CROLL, M.                                      | 9010.3 | 5,898.17                      | 285.68                                   | 104.58    | -                                      | 6,288.42           | 2,597.22                  | -            | 8,885.64            | VMASC                        |                  |
| 304941  | * US PUBLIC HEALTH SERVICE       | CROLL, M.                                      | 9010.3 | 6,574.67                      | 742.22                                   | 109.20    | 15,132.70                              | 22,558.79          | 3,877.95                  | -            | 26,436.74           | VMASC                        |                  |
| 537561  | * EASTERN VIRGINIA MED. SCHOOL   | CROLL, M.                                      | 9010.3 | 6,159.06                      | -  | -         | -                                      | 6,159.06           | 615.91                    | -            | 6,774.97            | VMASC                        |                  |
| 736861  | * BOSH GLOBAL SERVICES, INC.     | CROLL, M.                                      | 9010.3 | 247.15                        | 112.23                                   | -         | 167.51                                 | 526.88             | 279.39                    | -            | 806.27              | VMASC                        |                  |
| 740651  | * VIRGINIA STEAM ACADEMY         | CROLL, M.                                      | 9010.3 | 3,268.98                      | -  | -         | -                                      | 3,268.98           | 1,732.56                  | -            | 5,001.54            | VMASC                        |                  |
| 282020  | * NAVSUP FLEET LOGISTICS NORFOLK | DIALLO, S.                                     | 9010.3 | 15,728.46                     | 761.80                                   | 278.87    | -                                      | 16,769.13          | 6,925.91                  | -            | 23,695.04           | VMASC                        |                  |
| 736821  | * CUBIC APPLICATIONS, INC.       | DIALLO, S.                                     | 9010.3 | 44,368.63                     | 3,934.99                                 | -         | 823.26                                 | 49,126.87          | 26,332.95                 | -            | 75,459.82           | VMASC                        |                  |
| 311871  | * US PUBLIC HEALTH SERVICE       | DIAZ, R.                                       | 9010.3 | 22,150.64                     | 1,859.42                                 | -         | -                                      | 24,010.06          | 12,725.32                 | -            | 36,735.38           | VMASC                        |                  |
| 530101  | * VA DEP OF EMERGENCY MANAGEMENT | DIAZ, R.                                       | 9010.3 | 2,960.40                      | -  | -         | 4,843.70                               | 7,804.10           | 769.70                    | -            | 8,573.80            | VMASC                        |                  |
| 540723  | * ODU                            | DIAZ, R.                                       | 9010.3 | 1,410.70                      | 65.74                                    | -         | -                                      | 1,476.45           | -                         | -            | 1,476.45            | VMASC                        |                  |
| 540724  | * ODU                            | DIAZ, R.                                       | 9010.3 | 1,509.10                      | -  | -         | -                                      | 1,509.10           | -                         | -            | 1,509.10            | VMASC                        |                  |
| 204531  | * SPACE AND NAVAL WARFARE SYSTEM | EZELL, B.                                      | 9010.3 | 2,604.29                      | 495.00                                   | -         | -                                      | 3,099.29           | 1,859.57                  | -            | 4,958.86            | VMASC                        |                  |
| 530101  | * VA DEP OF EMERGENCY MANAGEMENT | EZELL, B.                                      | 9010.3 | 1,268.74                      | -  | -         | 2,075.87                               | 3,344.61           | 329.87                    | -            | 3,674.49            | VMASC                        |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER      | SPONSORING AGENCY                | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT   | PROJECT DIRECT COST           |  |                 |  |                     | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---------------------|----------------------------------|---|--------|-------------------------------|--|-----------------|--|---------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|                     |                                  |   |        | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT       | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS  | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| 540501              | HMPY ROADS PLAN DISTRICT COMM    | EZELL, B.                                 | 9010.3 | 3,202.94                      | -  | -               | (0.98)                                 | 3,201.96            | 1,697.04                  | -            | 4,899.00            | VMASC                        |                  |
| 541041              | VA DEP OF EMERGENCY MANAGEMENT   | EZELL, B.                                 | 9010.3 | 15,790.90                     | 2,122.63                                 | -               | -                                      | 17,913.53           | 9,494.17                  | -            | 27,407.70           | VMASC                        |                  |
| 530722              | * VA DEP OF EMERGENCY MANAGEMENT | EZELL, B.                                 | 9010.3 | 365.22                        | 228.64                                   | -               | -                                      | 593.87              | 154.41                    | -            | 748.27              | VMASC                        |                  |
| 525531              | * VA DEP OF EMERGENCY MANAGEMENT | EZELL, B.                                 | 9010.3 | -                             | -  | -               | (0.89)                                 | (0.89)              | (0.61)                    | -            | (1.50)              | VMASC                        |                  |
| 530723              | * VA DEP OF EMERGENCY MANAGEMENT | FOYTIK, P.                                | 9010.3 | 16,622.66                     | 7,322.27                                 | -               | -                                      | 23,944.93           | 8,380.73                  | -            | 32,325.65           | VMASC                        |                  |
| 537561              | * EASTERN VIRGINIA MED. SCHOOL   | GARCIA, H.                                | 9010.3 | 5,748.45                      | -  | -               | -                                      | 5,748.45            | 574.85                    | -            | 6,323.30            | VMASC                        |                  |
| 530101              | * VA DEP OF EMERGENCY MANAGEMENT | GILES, B.                                 | 9010.3 | 1,268.74                      | -  | -               | 2,075.87                               | 3,344.61            | 329.87                    | -            | 3,674.49            | VMASC                        |                  |
| 540723              | * ODU                            | GILES, B.                                 | 9010.3 | 1,253.96                      | 58.44                                    | -               | -                                      | 1,312.40            | -                         | -            | 1,312.40            | VMASC                        |                  |
| 540724              | * ODU                            | GILES, B.                                 | 9010.3 | 1,341.42                      | -  | -               | -                                      | 1,341.42            | -                         | -            | 1,341.42            | VMASC                        |                  |
| 530723              | * VA DEP OF EMERGENCY MANAGEMENT | JORDAN, C.                                | 9010.3 | 16,622.66                     | 7,322.27                                 | -               | -                                      | 23,944.93           | 8,380.73                  | -            | 32,325.65           | VMASC                        |                  |
| 530722              | * VA DEP OF EMERGENCY MANAGEMENT | PADILLA, J.                               | 9010.3 | 219.13                        | 137.19                                   | -               | -                                      | 356.32              | 92.64                     | -            | 448.96              | VMASC                        |                  |
| 282020              | * NAVSUP FLEET LOGISTICS NORFOLK | PADILLA, J.                               | 9010.3 | 11,796.35                     | 571.35                                   | 209.15          | -                                      | 12,576.85           | 5,194.43                  | -            | 17,771.28           | VMASC                        |                  |
| 225071              | * ARMY MED RES COMMAND           | PAPELIS, Y.                               | 9010.3 | 27,322.77                     | 886.00                                   | -               | 43,349.43                              | 71,558.20           | 16,925.26                 | -            | 88,483.46           | VMASC                        |                  |
| 531742              | * ODU                            | PAPELIS, Y.                               | 9010.3 | 526.13                        | -  | 301.56          | 297.12                                 | 1,124.82            | -                         | -            | 1,124.82            | VMASC                        |                  |
| 531743              | * ODU                            | PAPELIS, Y.                               | 9010.3 | -                             | -  | -               | 19.38                                  | 19.38               | -                         | -            | 19.38               | VMASC                        |                  |
| 540723              | * ODU                            | PAPELIS, Y.                               | 9010.3 | 2,037.68                      | 94.96                                    | -               | -                                      | 2,132.64            | -                         | -            | 2,132.64            | VMASC                        |                  |
| 540724              | * ODU                            | PAPELIS, Y.                               | 9010.3 | 2,179.82                      | -  | -               | -                                      | 2,179.82            | -                         | -            | 2,179.82            | VMASC                        |                  |
| 716522              | * WR SYSTEMS LTD                 | PAPELIS, Y.                               | 9010.3 | 29,176.90                     | -  | -               | -                                      | 29,176.90           | 15,463.76                 | -            | 44,640.66           | VMASC                        |                  |
| 726292              | * OPPORTUNITY, INC.              | PAPELIS, Y.                               | 9010.3 | 5,414.41                      | 760.75                                   | -               | -                                      | 6,175.16            | 617.51                    | -            | 6,792.67            | VMASC                        |                  |
| 736861              | * BOSH GLOBAL SERVICES, INC.     | PAPELIS, Y.                               | 9010.3 | 247.15                        | 112.23                                   | -               | 167.51                                 | 526.88              | 279.39                    | -            | 806.27              | VMASC                        |                  |
| 726291              | * OPPORTUNITY, INC.              | PAPELIS, Y.                               | 9010.3 | 4,397.06                      | -  | -               | 3,033.29                               | 7,430.35            | 439.71                    | -            | 7,870.06            | VMASC                        |                  |
| 225071              | * ARMY MED RES COMMAND           | PARODI, A.                                | 9010.3 | 81,968.32                     | 2,658.01                                 | -               | 130,048.28                             | 214,674.60          | 50,775.79                 | -            | 265,450.39          | VMASC                        |                  |
| 726291              | * OPPORTUNITY, INC.              | REESE, T.                                 | 9010.3 | 3,517.65                      | -  | -               | 2,426.63                               | 5,944.28            | 351.76                    | -            | 6,296.04            | VMASC                        |                  |
| 702971              | * ADV ANTI-TERROR TECHNOLOGIES   | RINGLEB, S.                               | 9010.3 | -                             | -  | -               | -                                      | -                   | -                         | -            | -                   | VMASC                        |                  |
| 514421              | * VA DEPT OF TRANSPORTATION      | ROBINSON, M.                              | 9010.3 | -                             | -  | -               | 9.26                                   | 9.26                | 0.96                      | -            | 10.22               | VMASC                        |                  |
| 516861              | * VA DEPT OF TRANSPORTATION      | ROBINSON, M.                              | 9010.3 | 324.59                        | -  | -               | (0.00)                                 | 324.59              | 38.95                     | -            | 363.54              | VMASC                        |                  |
| 521701              | * UNIVERSITY OF IDAHO            | ROBINSON, M.                              | 9010.3 | 3,959.71                      | 219.49                                   | -               | -                                      | 4,179.20            | 2,214.98                  | -            | 6,394.18            | VMASC                        |                  |
| 521702              | * UNIVERSITY OF IDAHO            | ROBINSON, M.                              | 9010.3 | 6,601.70                      | -  | -               | -                                      | 6,601.70            | 3,498.90                  | -            | 10,100.60           | VMASC                        |                  |
| 521705              | * UNIVERSITY OF IDAHO            | ROBINSON, M.                              | 9010.3 | 742.00                        | -  | -               | -                                      | 742.00              | 393.26                    | -            | 1,135.26            | VMASC                        |                  |
| 521706              | * UNIVERSITY OF IDAHO            | ROBINSON, M.                              | 9010.3 | 1,914.11                      | 346.50                                   | -               | -                                      | 2,260.61            | 1,198.12                  | -            | 3,458.73            | VMASC                        |                  |
| 530722              | * VA DEP OF EMERGENCY MANAGEMENT | ROBINSON, R.                              | 9010.3 | 584.36                        | 365.83                                   | -               | -                                      | 950.18              | 247.05                    | -            | 1,197.23            | VMASC                        |                  |
| 530723              | * VA DEP OF EMERGENCY MANAGEMENT | ROBINSON, R.                              | 9010.3 | 83,113.31                     | 36,611.34                                | -               | -                                      | 119,724.65          | 41,903.63                 | -            | 161,628.27          | VMASC                        |                  |
| 533071              | * CITY OF VIRGINIA BEACH         | ROBINSON, R.                              | 9010.3 | 24,999.96                     | 1,264.50                                 | -               | 10,278.75                              | 36,543.21           | 13,920.16                 | -            | 50,463.37           | VMASC                        |                  |
| 530723              | * VA DEP OF EMERGENCY MANAGEMENT | SHERFEY, S.                               | 9010.3 | 16,622.66                     | 7,322.27                                 | -               | -                                      | 23,944.93           | 8,380.73                  | -            | 32,325.65           | VMASC                        |                  |
| 534361              | VA DEP OF EMERGENCY MANAGEMENT   | SHERFEY, S.                               | 9010.3 | 6,466.44                      | 19,599.00                                | -               | -                                      | 26,065.44           | 13,814.68                 | -            | 39,880.12           | VMASC                        |                  |
| 543481              | VA DEP OF EMERGENCY MANAGEMENT   | SHERFEY, S.                               | 9010.3 | 3,455.47                      | -  | -               | -                                      | 3,455.47            | 1,831.40                  | -            | 5,286.87            | VMASC                        |                  |
| 525531              | * VA DEP OF EMERGENCY MANAGEMENT | SHERFEY, S.                               | 9010.3 | -                             | -  | -               | (0.89)                                 | (0.89)              | (0.61)                    | -            | (1.50)              | VMASC                        |                  |
| 286033              | NAVSUP FLEET LOGISTICS NORFOLK   | SOKOLOWSKI, J.                            | 9010.3 | 33,858.45                     | -  | -               | -                                      | 33,858.45           | 11,850.46                 | -            | 45,708.91           | VMASC                        |                  |
| 540723              | * ODU                            | SOKOLOWSKI, J.                            | 9010.3 | 3,918.62                      | 182.62                                   | -               | -                                      | 4,101.24            | -                         | -            | 4,101.24            | VMASC                        |                  |
| 540724              | * ODU                            | SOKOLOWSKI, J.                            | 9010.3 | 4,191.95                      | -  | -               | -                                      | 4,191.95            | -                         | -            | 4,191.95            | VMASC                        |                  |
| <b>9010.3 Total</b> |                                  |   |        | <b>756,364.37</b>             | <b>122,122.51</b>                        | <b>1,304.93</b> | <b>255,559.62</b>                      | <b>1,135,351.43</b> | <b>370,396.99</b>         | <b>-</b>     | <b>1,505,748.41</b> | <b>32.62%</b>                |                  |

**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                     | SPONSORING AGENCY              | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR DEPT |      | PROJECT DIRECT COST           |  |           |  |                    | PROJECT IDC AND FEES      |              |                     | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|--|--------------------------------|--|------|-------------------------------|--|-----------|--|--------------------|---------------------------|--------------|---------------------|------------------------------|------------------|
|  |                                |  |      | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS |                              |                  |
| ODU Business Gateway                               |                                |  |      |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 700201   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 26,329.30                     | 1,575.75                                 | -         | -                                      | 27,905.05          | 7,255.30                  | -            | 35,160.35           |                              | TRAD             |
| 700202   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 302.61                        | 159.71                                   | -         | -                                      | 462.32             | 15,338.07                 | -            | 15,800.39           |                              | TRAD             |
| 700209   | CITY OF NORFOLK                | BRINKER, J.                                    | 9520 | 2,554.00                      | 52.38                                    | -         | -                                      | 2,606.38           | -                         | -            | 2,606.38            |                              | TRAD             |
| 700210   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | -                             | (13.56)                                  | -         | -                                      | (13.56)            | (3.53)                    | -            | (17.09)             |                              | TRAD             |
| 700212   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 2,976.92                      | 208.49                                   | -         | -                                      | 3,185.41           | 828.20                    | -            | 4,013.61            |                              | TRAD             |
| 700213   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 3,804.59                      | 13.55                                    | -         | 1,759.52                               | 5,577.66           | 1,453.70                  | -            | 7,031.36            |                              | TRAD             |
| 700217   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | -                             | -  | -         | 1,366.70                               | 1,366.70           | 355.35                    | -            | 1,722.05            |                              | TRAD             |
| 700218   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 4,280.66                      | 4,399.81                                 | -         | -                                      | 8,680.47           | 2,256.92                  | -            | 10,937.39           |                              | TRAD             |
| 700219   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 3,120.32                      | 31.93                                    | -         | -                                      | 3,152.25           | 819.58                    | -            | 3,971.83            |                              | TRAD             |
| 700221   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 1,583.59                      | 216.95                                   | -         | -                                      | 1,800.54           | 468.14                    | -            | 2,268.68            |                              | TRAD             |
| 700222   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 205.26                        | 2,500.00                                 | -         | -                                      | 2,705.26           | 703.37                    | -            | 3,408.63            |                              | TRAD             |
| 700223   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | -                             | 1,026.68                                 | -         | -                                      | 1,026.68           | 266.94                    | -            | 1,293.62            |                              | TRAD             |
| 700224   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 13,554.35                     | 99.44                                    | -         | -                                      | 13,653.79          | -                         | -            | 13,653.79           |                              | TRAD             |
| 700225   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 1,043.17                      | 6.21                                     | -         | -                                      | 1,049.38           | 272.83                    | -            | 1,322.21            |                              | TRAD             |
| 700226   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 2,014.91                      | 107.92                                   | -         | -                                      | 2,122.83           | 551.94                    | -            | 2,674.77            |                              | TRAD             |
| 700227   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 2,957.00                      | 31.07                                    | -         | -                                      | 2,988.07           | 776.90                    | -            | 3,764.97            |                              | TRAD             |
| 700228   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 6,671.82                      | 2,853.35                                 | -         | -                                      | 9,525.17           | 2,476.55                  | -            | 12,001.72           |                              | TRAD             |
| 700229   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 10,558.19                     | 88.19                                    | -         | -                                      | 10,646.38          | 2,768.05                  | -            | 13,414.43           |                              | TRAD             |
| 700230   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 4,410.02                      | 392.26                                   | -         | -                                      | 4,802.28           | 1,248.59                  | -            | 6,050.87            |                              | TRAD             |
| 700231   | PRIVATE SPONSORS               | BRINKER, J.                                    | 9520 | 692.17                        | -  | -         | -                                      | 692.17             | 179.96                    | -            | 872.13              |                              | TRAD             |
| 709219   | CITY OF NORFOLK                | BRINKER, J.                                    | 9520 | -                             | 21.75                                    | -         | -                                      | 21.75              | -                         | -            | 21.75               |                              | TRAD             |
| 730621   | GENEDGE ALLIANCE               | BRINKER, J.                                    | 9520 | (3,365.79)                    | -  | -         | -                                      | (3,365.79)         | -                         | -            | (3,365.79)          |                              | TRAD             |
| 730622   | GENEDGE ALLIANCE               | BRINKER, J.                                    | 9520 | 96,635.96                     | 813.96                                   | -         | -                                      | 97,449.92          | -                         | -            | 97,449.92           |                              | TRAD             |
| 304617   | SMALL BUSINESS ADMIN           | DORSEY, C.                                     | 9520 | 57,440.72                     | 5,445.42                                 | -         | -                                      | 62,886.14          | 16,350.39                 | -            | 79,236.53           |                              | TRAD             |
| 326841   | SMALL BUSINESS ADMIN           | DORSEY, C.                                     | 9520 | 17,113.38                     | 2,553.68                                 | -         | -                                      | 19,667.06          | 3,933.41                  | -            | 23,600.47           |                              | TRAD             |
| 326842   | SMALL BUSINESS ADMIN           | DORSEY, C.                                     | 9520 | 19,278.97                     | 5,524.32                                 | -         | -                                      | 24,803.29          | 4,960.66                  | -            | 29,763.95           |                              | TRAD             |
| 334441   | US DEPT OF TRANSPORTATION      | DORSEY, C.                                     | 9520 | 36,060.03                     | 4,502.46                                 | -         | -                                      | 40,562.49          | 10,546.26                 | -            | 51,108.75           |                              | TRAD             |
| 334442   | US DEPT OF TRANSPORTATION      | DORSEY, C.                                     | 9520 | 6,816.54                      | 27.80                                    | -         | -                                      | 6,844.34           | 1,779.53                  | -            | 8,623.87            |                              | TRAD             |
| 524831   | CRATER PLANNING DISTRICT COMM  | DORSEY, C.                                     | 9520 | 9,213.32                      | 3,489.41                                 | -         | -                                      | 12,702.73          | 3,302.71                  | -            | 16,005.44           |                              | TRAD             |
| 524832   | CRATER PLANNING DISTRICT COMM  | DORSEY, C.                                     | 9520 | 22,832.19                     | 2,162.02                                 | -         | -                                      | 24,994.21          | 6,498.49                  | -            | 31,492.70           |                              | TRAD             |
| 530711   | ODU                            | DORSEY, C.                                     | 9520 | 48,354.11                     | 31,174.44                                | -         | 2,592.25                               | 82,120.80          | -                         | -            | 82,120.80           |                              | TRAD             |
| 540191   | GEORGE MASON UNIVERISTY        | DORSEY, C.                                     | 9520 | -                             | 3,195.10                                 | -         | -                                      | 3,195.10           | 639.02                    | -            | 3,834.12            |                              | TRAD             |
| 304615   | SMALL BUSINESS ADMIN           | ROBERTSON, J.                                  | 9520 | 6,652.25                      | 21,665.01                                | -         | -                                      | 28,317.26          | 7,362.49                  | -            | 35,679.75           |                              | TRAD             |
| 331881   | SMALL BUSINESS ADMIN           | ROBERTSON, J.                                  | 9520 | 1,046.93                      | 14,653.37                                | -         | -                                      | 15,700.30          | -                         | -            | 15,700.30           |                              | TRAD             |
| <b>9520 Total</b>                                  |                                |  |      | <b>405,137.49</b>             | <b>108,978.87</b>                        | <b>-</b>  | <b>5,718.47</b>                        | <b>519,834.83</b>  | <b>93,389.82</b>          | <b>-</b>     | <b>613,224.65</b>   | <b>17.97%</b>                |                  |
| Virginia Tidewater Consortium for Higher Education |                                |  |      |                               |  |           |  |                    |                           |              |                     |                              |                  |
| 315681   | US DEPT OF EDUCATION           | DOTOLO, L.                                     | 9602 | 202,515.86                    | 28,427.49                                | -         | -                                      | 230,943.35         | 17,845.49                 | -            | 248,788.84          |                              | TRAD             |
| 525061   | VA DEP OF EMERGENCY MANAGEMENT | DOTOLO, L.                                     | 9602 | 20,060.75                     | 374.74                                   | -         | 26,220.62                              | 46,656.11          | 5,313.22                  | -            | 51,969.33           |                              | TRAD             |
| 533481   | SSTATE COUNCIL HIGHER ED IN VA | DOTOLO, L.                                     | 9602 | 54,106.67                     | 2,193.88                                 | -         | -                                      | 56,300.55          | 4,504.05                  | -            | 60,804.60           |                              | TRAD             |
| 730511   | RIVERA CONSULTING GROUP, INC.  | DOTOLO, L.                                     | 9602 | 1,249.68                      | -  | -         | 476.77                                 | 1,726.45           | 448.90                    | -            | 2,175.35            |                              | TRAD             |
| <b>9602 Total</b>                                  |                                |  |      | <b>277,932.96</b>             | <b>30,996.11</b>                         | <b>-</b>  | <b>26,697.39</b>                       | <b>335,626.46</b>  | <b>28,111.66</b>          | <b>-</b>     | <b>363,738.12</b>   | <b>8.38%</b>                 |                  |



**OLD DOMINION UNIVERSITY RESEARCH FOUNDATION  
INDIRECT COST ALLOCATION REPORT  
SPONSORED PROGRAM EXPENDITURES BY INDIVIDUAL PROJECT**

**FOR THE SIX-MONTH PERIOD ENDED DECEMBER 31, 2013**

| PROJECT NUMBER                                  | SPONSORING AGENCY               | PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR | DEPT              | PROJECT DIRECT COST           |  |                        |  |                         | PROJECT IDC AND FEES      |              |                         | EFFECTIVE INDIRECT COST RATE | ENTER-PRISE CODE |
|---|---------------------------------|---|-------------------|-------------------------------|--|------------------------|--|-------------------------|---------------------------|--------------|-------------------------|------------------------------|------------------|
|   |                                 |   |                   | PERSONNEL AND FRINGE BENEFITS | SUPPLIES, CONTRACTUAL, GENERAL, & TRAVEL | EQUIPMENT              | STIPENDS, SUBCONTRACTS, TUITION, OTHER | TOTAL DIRECT COSTS      | REIMBURSED INDIRECT COSTS | SPECIAL FEES | TOTAL PROJECT COSTS     |                              |                  |
| Virginia Space Grant Consortium                 |                                 |   |                   |                               |  |                        |  |                         |                           |              |                         |                              |                  |
| 142351  | NASA-GODDARD SPACEFLIGHT CNTR   | CARTER, C.                                | 9701              | -                             | 215.82                                   | -                      | -                                      | 215.82                  | 56.11                     | -            | 271.93                  |                              | VSGC             |
| 331761  | NATL SCIENCE FOUNDATION         | CARTER, C.                                | 9701              | 19,867.32                     | 79,360.23                                | -                      | 27,158.62                              | 126,386.17              | 25,799.17                 | -            | 152,185.34              |                              | VSGC             |
| 392181  | NATL SCIENCE FOUNDATION         | CARTER, C.                                | 9701              | -                             | -  | -                      | 18,334.20                              | 18,334.20               | -                         | -            | 18,334.20               |                              | VSGC             |
| 526341  | LONGWOOD UNIVERSITY             | CARTER, C.                                | 9701              | 950.39                        | 10,734.45                                | -                      | 6,108.33                               | 17,793.17               | 934.79                    | -            | 18,727.96               |                              | VSGC             |
| 526342  | LONGWOOD UNIVERSITY             | CARTER, C.                                | 9701              | 5,453.01                      | 3,077.10                                 | -                      | 841.90                                 | 9,372.01                | 682.42                    | -            | 10,054.43               |                              | VSGC             |
| 590891  | HAMPTON PUBLIC SCHOOLS          | CARTER, C.                                | 9701              | 37,921.39                     | 44,173.68                                | -                      | 3,563.32                               | 85,658.39               | 6,567.60                  | -            | 92,225.99               |                              | VSGC             |
| 104762  | NASA-GODDARD SPACEFLIGHT CNTR   | SANDY, M.                                 | 9701              | -                             | -  | -                      | 1,983.66                               | 1,983.66                | 9,801.19                  | -            | 11,784.85               |                              | VSGC             |
| 104763  | NASA-GODDARD SPACEFLIGHT CNTR   | SANDY, M.                                 | 9701              | 38,316.94                     | 3,378.62                                 | -                      | 46,683.23                              | 88,378.79               | 20,847.79                 | -            | 109,226.58              |                              | VSGC             |
| 104764  | NASA-GODDARD SPACEFLIGHT CNTR   | SANDY, M.                                 | 9701              | 50,669.12                     | 12,087.27                                | -                      | 8,326.06                               | 71,082.45               | 31,378.21                 | -            | 102,460.66              |                              | VSGC             |
| 122501  | NASA-LANGLEY RESEARCH CENTER    | SANDY, M.                                 | 9701              | 30,975.91                     | -  | -                      | -                                      | 30,975.91               | 8,053.74                  | -            | 39,029.65               |                              | VSGC             |
| 122502  | NASA-LANGLEY RESEARCH CENTER    | SANDY, M.                                 | 9701              | -                             | 11.30                                    | -                      | -                                      | 11.30                   | 2.94                      | -            | 14.24                   |                              | VSGC             |
| 197531  | NASA-LANGLEY RESEARCH CENTER    | SANDY, M.                                 | 9701              | 93,486.36                     | 15,151.19                                | -                      | -                                      | 108,637.55              | 54,318.78                 | -            | 162,956.33              |                              | VSGC             |
| 390911  | FEDERAL AVIATION ADMIN          | SANDY, M.                                 | 9701              | 34,963.80                     | 23,066.51                                | -                      | -                                      | 58,030.31               | 24,372.72                 | -            | 82,403.03               |                              | VSGC             |
| 390912  | FEDERAL AVIATION ADMIN          | SANDY, M.                                 | 9701              | 12,834.46                     | 2,156.81                                 | -                      | -                                      | 14,991.27               | 6,296.33                  | -            | 21,287.60               |                              | VSGC             |
| 390913  | FEDERAL AVIATION ADMIN          | SANDY, M.                                 | 9701              | 5,725.26                      | 6,495.51                                 | -                      | -                                      | 12,220.77               | 5,132.73                  | -            | 17,353.50               |                              | VSGC             |
| 397562  | US DEPT OF EDUCATION            | SANDY, M.                                 | 9701              | 5,866.30                      | 266.58                                   | -                      | 7,500.00                               | 13,632.88               | 490.62                    | -            | 14,123.50               |                              | VSGC             |
| 501271  | SSTATE COUNCIL HIGHES ED IN VA  | SANDY, M.                                 | 9701              | 82,409.43                     | 86,434.24                                | -                      | 71,305.34                              | 240,149.01              | -                         | -            | 240,149.01              |                              | VSGC             |
| 523751  | SSTATE COUNCIL HIGHES ED IN VA  | SANDY, M.                                 | 9701              | -                             | -  | -                      | 10,000.00                              | 10,000.00               | -                         | -            | 10,000.00               |                              | VSGC             |
| 527481  | ODU                             | SANDY, M.                                 | 9701              | 48,902.54                     | 34,469.33                                | -                      | 8,750.79                               | 92,122.66               | -                         | -            | 92,122.66               |                              | VSGC             |
| 527491  | UNIVERSITY OF VIRGINIA          | SANDY, M.                                 | 9701              | 13,422.27                     | 31,496.68                                | -                      | 74,310.94                              | 119,229.89              | -                         | -            | 119,229.89              |                              | VSGC             |
| 527501  | VA TECH                         | SANDY, M.                                 | 9701              | 106,356.44                    | 18,395.21                                | -                      | -                                      | 124,751.65              | -                         | -            | 124,751.65              |                              | VSGC             |
| 704231  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | -                             | (25.58)                                  | -                      | -                                      | (25.58)                 | (6.65)                    | -            | (32.23)                 |                              | VSGC             |
| 704791  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | -                             | 231.60                                   | -                      | 1,325.52                               | 1,557.12                | 60.21                     | -            | 1,617.33                |                              | VSGC             |
| 722621  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | 13,658.57                     | -  | -                      | -                                      | 13,658.57               | 3,551.24                  | -            | 17,209.81               |                              | VSGC             |
| 722631  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | 1,850.47                      | 4.18                                     | -                      | 1,174.48                               | 3,029.13                | 482.21                    | -            | 3,511.34                |                              | VSGC             |
| 735451  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | 30,026.36                     | 869.71                                   | -                      | 152,948.45                             | 183,844.52              | 8,032.98                  | -            | 191,877.50              |                              | VSGC             |
| 764466  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | -                             | -  | -                      | (700.00)                               | (700.00)                | -                         | -            | (700.00)                |                              | VSGC             |
| 764467  | NATL INST AEROSPACE ASSOC       | SANDY, M.                                 | 9701              | 43,151.50                     | 2,942.92                                 | -                      | 396,274.84                             | 442,369.26              | 11,984.50                 | -            | 454,353.76              |                              | VSGC             |
| 793286  | NEW HORIZONS REGIONAL EDU CTRS  | SANDY, M.                                 | 9701              | -                             | 219.16                                   | -                      | -                                      | 219.16                  | 56.98                     | -            | 276.14                  |                              | VSGC             |
| 793287  | NEW HORIZONS REGIONAL EDU CTRS  | SANDY, M.                                 | 9701              | -                             | 7.37                                     | -                      | -                                      | 7.37                    | 1.92                      | -            | 9.29                    |                              | VSGC             |
| 797161  | NATL SPACE GRANT FOUNDATION     | SANDY, M.                                 | 9701              | -                             | -  | -                      | 37,400.00                              | 37,400.00               | -                         | -            | 37,400.00               |                              | VSGC             |
|   |                                 |   | <b>9701 Total</b> | <b>676,807.84</b>             | <b>375,219.89</b>                        | <b>-</b>               | <b>873,289.68</b>                      | <b>1,925,317.41</b>     | <b>218,898.53</b>         | <b>-</b>     | <b>2,144,215.94</b>     | <b>11.37%</b>                |                  |
| Other Miscellaneous Units                       |                                 |   |                   |                               |  |                        |  |                         |                           |              |                         |                              |                  |
| 104773  | * NASA-GODDARD SPACEFLIGHT CNTR | FORBES, B.                                | 9910              | 7,121.75                      | -  | -                      | -                                      | 7,121.75                | -                         | -            | 7,121.75                |                              | TRAD             |
| 302512  | ODU                             | HINES, J.                                 | 9801              | 64,862.01                     | 972.88                                   | -                      | 7,068.60                               | 72,903.49               | 5,266.79                  | -            | 78,170.28               |                              | TRAD             |
| 302513  | ODU                             | HINES, J.                                 | 9801              | 61,771.97                     | 669.91                                   | -                      | 9,620.00                               | 72,061.88               | 4,995.35                  | -            | 77,057.23               |                              | TRAD             |
| 532381  | ODU                             | HUCKLESS, M.                              | 9910              | 3,590.00                      | -  | -                      | -                                      | 3,590.00                | -                         | -            | 3,590.00                |                              | TRAD             |
| 512931  | VA TECH                         | LEWIS, B.                                 | 9910              | -                             | 240.88                                   | -                      | -                                      | 240.88                  | 120.44                    | -            | 361.32                  |                              | TRAD             |
| 323571  | ODU                             | TOLLIVER, O.                              | 9910              | 135,711.16                    | 2,884.19                                 | -                      | 11,252.96                              | 149,848.31              | 11,087.63                 | -            | 160,935.94              |                              | TRAD             |
| 104773  | NASA-GODDARD SPACEFLIGHT CNTR   | WUNDERLICH, T.                            | 9910              | 791.31                        | -  | -                      | -                                      | 791.31                  | -                         | -            | 791.31                  |                              | TRAD             |
|   |                                 |   | <b>9910 Total</b> | <b>273,848.20</b>             | <b>4,767.86</b>                          | <b>-</b>               | <b>27,941.56</b>                       | <b>306,557.62</b>       | <b>21,470.21</b>          | <b>-</b>     | <b>328,027.83</b>       | <b>7.00%</b>                 |                  |
| <b>TOTAL OFFICE OF RESEARCH AND OTHER UNITS</b> |                                 |   |                   | <b>\$ 2,559,051.14</b>        | <b>\$ 703,394.31</b>                     | <b>\$ 1,700.33</b>     | <b>\$ 1,191,735.94</b>                 | <b>\$ 4,455,881.72</b>  | <b>\$ 840,963.02</b>      | <b>\$ -</b>  | <b>\$ 5,296,844.73</b>  | <b>18.87%</b>                |                  |
| <b>GRAND TOTAL</b>                              |                                 |   |                   | <b>\$ 12,498,617.90</b>       | <b>\$ 4,404,592.41</b>                   | <b>\$ 1,062,977.08</b> | <b>\$ 18,954,187.50</b>                | <b>\$ 36,920,374.89</b> | <b>\$ 4,267,073.67</b>    | <b>\$ -</b>  | <b>\$ 41,187,448.56</b> |                              |                  |