

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>   | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| GDO               | GD0000878           | IIJA        | PacificCorp  | OREGON                | 99,633,723            |
| GDO               | GD0000880           | IIJA        | Entergy  | LOUISIANA             | 54,828,178            |
| GDO               | GD0000881           | IIJA        | Electric Power Board   | TENNESSEE             | 32,282,984            |
| GDO               | GD0000882           | IIJA        | Hawaiian Electric  | HAWAII                | 95,313,716            |
| GDO               | GD0000884           | IIJA        | Wildfire Mitigation and Extreme Weather Resilience for Xcel Energy | MINNESOTA             | 100,000,000           |
| GDO               | GD0000885           | IIJA        | Holy Cross   | COLORADO              | 99,328,430            |
| GDO               | GD0000888           | IIJA        | Sumter Electric Cooperative  | FLORIDA               | 52,857,560            |
| GDO               | GD0000889           | IIJA        | Southern Maryland Electric Cooperative                             | MARYLAND              | 32,485,154            |
| GDO               | GD0000890           | IIJA        | Fort Pierce Utilities Authority                                    | FLORIDA               | 5,828,993             |
| GDO               | GD0000891           | IIJA        | Tri-County Electric Cooperative                                    | SOUTH CAROLINA        | 4,665,803             |
| GDO               | GD0000892           | IIJA        | Midwest Energy   | KANSAS                | 96,922,280            |
| GDO               | GD0000893           | IIJA        | Mora-San Miguel Electric Cooperative                               | NEW MEXICO            | 11,270,193            |
| GDO               | GD0000897           | IIJA        | Duquesne Light Company   | PENNSYLVANIA          | 19,712,338            |
| GDO               | GD0000898           | IIJA        | PACIFICORP   | OREGON                | 49,951,103            |
| GDO               | GD0000899           | IIJA        | Empire District Electric Company                                   | MISSOURI              | 47,491,810            |
| GDO               | GD0000900           | IIJA        | Commonwealth Edison Company  | ILLINOIS              | 50,000,000            |
| GDO               | GD0000904           | IIJA        | Burlington Electric Department                                     | VERMONT               | 1,158,695             |
| GDO               | GD0000905           | IIJA        | Snohomish County Public Utility District                           | WASHINGTON            | 30,000,000            |
| GDO               | GD0000906           | IIJA        | Arkansas Valley Electric Cooperative                               | ARKANSAS              | 18,304,363            |
| GDO               | GD0000908           | IIJA        | Electric Power Research Institute                                  | CALIFORNIA            | 18,017,358            |
| GDO               | GD0000909           | IIJA        | City of Lake Worth   | FLORIDA               | 23,462,167            |
| GDO               | GD0000910           | IIJA        | The Narragansett Electric Company                                  | NEW YORK              | 50,000,000            |
| GDO               | GD0000912           | IIJA        | OKLAHOMA GAS AND ELECTRIC COMPANY                                  | OKLAHOMA              | 50,000,000            |
| GDO               | GD0000914           | IIJA        | Rappahannock Electric Cooperative                                  | VIRGINIA              | 38,162,015            |
| GDO               | GD0000917           | IIJA        | Cantral Maine Power Company  | MAINE                 | 30,306,795            |
| GDO               | GD0000918           | IIJA        | San Antonio City Public Services Board                             | TEXAS                 | 30,227,510            |
| GDO               | GD0000919           | IIJA        | E Source Companies   | COLORADO              | 38,398,616            |
| GDO               | GD0000920           | IIJA        | Virginia Electric and Power Company (dba Dominion Energy Virginia) | VIRGINIA              | 33,640,340            |
| GDO               | GD0000921           | IIJA        | Union Electric Company   | MISSOURI              | 47,130,781            |
| GDO               | GD0000922           | IIJA        | PPL Corporation  | PENNSYLVANIA          | 49,355,213            |
| GDO               | GD0000923           | IIJA        | Surry-Yadkin   | NORTH CAROLINA        | 7,486,808             |
| GDO               | GD0000924           | IIJA        | Allete   | MINNESOTA             | 50,000,000            |
| GDO               | GD0000925           | IIJA        | Missoula Electric Coop   | MONTANA               | 2,749,071             |
| GDO               | GD0000926           | IIJA        | American Electric Power Service Corporation                        | OHIO                  | 27,849,763            |
| GDO               | GD0000991           | IIJA        | Arizona Public Service Company                                     | ARIZONA               | 50,000,000            |
| GDO               | GD0000992           | IIJA        | BLACK HILLS ELECTRIC COOPERATIVE                                   | SOUTH DAKOTA          | 20,458,124            |
| GDO               | GD0000994           | IIJA        | DELAWARE COUNTY ELECTRIC COOPERATIVE                               | NEW YORK              | 27,681,725            |
| GDO               | GD0000995           | IIJA        | Entergy  | TEXAS                 | 53,755,375            |
| GDO               | GD0000996           | IIJA        | GAINESVILLE REGIONAL AUTHORITIES                                   | FLORIDA               | 47,514,590            |
| GDO               | GD0000997           | IIJA        | Georgia Transmission Corporation: START project                    | GEORGIA               | 97,910,605            |
| GDO               | GD0000998           | IIJA        | HOOSIER ENERGY RURAL ELECTRIC COOPERATIVE                          | INDIANA               | 102,785,519           |
| GDO               | GD0000999           | IIJA        | Jones-Onslow Electric Membership Corporation                       | NORTH CAROLINA        | 42,317,886            |
| GDO               | GD0001000           | IIJA        | Kotzebue Electric Association                                      | ALASKA                | 7,499,933             |
| GDO               | GD0001001           | IIJA        | PUGET SOUND ENERGY   | WASHINGTON            | 45,781,599            |
| GDO               | GD0001002           | IIJA        | RANDOLPH ELECTRIC MEMBERSHIP CORPORATION                           | NORTH CAROLINA        | 11,481,931            |
| GDO               | GD0001003           | IIJA        | RITA BLANCA ELECTRIC COOPERATIVE                                   | TEXAS                 | 40,750,000            |
| GDO               | GD0001004           | IIJA        | TENNESSEE VALLEY AUTHORITY   | TENNESSEE             | Not yet awarded       |
| GDO               | GD0001005           | IIJA        | UNS Electric   | ARIZONA               | 75,000,000            |
| GDO               | GD0001007           | IIJA        | Arizona Public Service Company                                     | ARIZONA               | 20,000,000            |
| GDO               | GD0001008           | IIJA        | Avista Corporation   | WASHINGTON            | 85,664,781            |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| GDO               | GD0001010           | IIJA        | University of Illinois  | ILLINOIS              | 15,594,518            |
| GDO               | GD0001012           | IIJA        | E Source Companies  | COLORADO              | 77,021,741            |
| GDO               | GD0001014           | IIJA        | Exelon Business Services Company  | MARYLAND              | 100,000,000           |
| GDO               | GD0001015           | IIJA        | Fayetteville Public Works   | NORTH CAROLINA        | 11,436,783            |
| GDO               | GD0001016           | IIJA        | FirstEnergy Corporation   | OHIO                  | 50,000,000            |
| GDO               | GD0001017           | IIJA        | Generac Power Systems   | WISCONSIN             | 49,445,046            |
| GDO               | GD0001018           | IIJA        | Georgia Power Company   | GEORGIA               | 160,296,888           |
| GDO               | GD0001019           | IIJA        | Maine Governor's Energy Office  | MAINE                 | 65,359,234            |
| GDO               | GD0001020           | IIJA        | Gridunity (Digital Integration for Grid Interconnection Tools, Analysis, and Logic (DIGITAL)) | NEW JERSEY            | 49,500,000            |
| GDO               | GD0001025           | IIJA        | Southern California Edison Company  | CALIFORNIA            | 49,971,078            |
| GDO               | GD0001027           | IIJA        | Switched Source   | ILLINOIS              | 47,704,894            |
| GDO               | GD0001028           | IIJA        | Tombigbee Electric Cooperative  | ALABAMA               | 11,176,150            |
| GDO               | GD0001032           | IIJA        | Wisconsin Power and Light   | IOWA                  | 50,000,000            |
| GDO               | GD0001040           | IIJA        | CITY OF TALLAHASSEE   | FLORIDA               | 28,696,679            |
| GDO               | GD0000886           | IIJA        | Kit Carson Electric Cooperative   | NEW MEXICO            | 15,430,118            |
| GDO               | GD0000887           | IIJA        | Jamestown Board of Public Utilities   | NEW YORK              | 17,377,945            |
| GDO               | GD0000895           | IIJA        | Liberty Utilities   | CALIFORNIA            | 13,071,300            |
| GDO               | GD0000896           | IIJA        | NATIONAL GRID USA SERVICE COMPANY   | MASSACHUSETTS         | 49,642,748            |
| GDO               | GD0000901           | IIJA        | Portland General Electric   | OREGON                | 50,000,000            |
| GDO               | GD0000902           | IIJA        | Sacramento Municipal Utility District   | CALIFORNIA            | 50,000,000            |
| GDO               | GD0000972           | IRA         | Public Service Commission of Wisconsin  | WISCONSIN             | 3,005,458             |
| GDO               | GD0000973           | IRA         | Alamosa County  | COLORADO              | 1,699,965             |
| GDO               | GD0000974           | IRA         | Pennsylvania Public Utility Commission  | PENNSYLVANIA          | 4,520,298             |
| GDO               | GD0000913           | IIJA        | Pecan Street  | TEXAS                 | 7,989,987             |
| GDO               | GD0000975           | IRA         | Montana Department of Commerce  | MONTANA               | 47,459,092            |
| GDO               | GD0000979           | IRA         | City of Willcox   | ARIZONA               | 10,708,054            |
| GDO               | GD0000982           | IRA         | Guymon Public Schools   | OKLAHOMA              | 50,000,000            |
| GDO               | GD0000983           | IRA         | Michigan Department of Labor and Economic Authority   | MICHIGAN              | 35,751,540            |
| GDO               | GD0000987           | IRA         | City of Guymon  | OKLAHOMA              | 17,650,000            |
| GDO               | GD0000988           | IRA         | Mott Opportunity Today and Tomorrow   | NORTH DAKOTA          | 14,284,567            |
| GDO               | GD0000989           | IRA         | Roosevelt Custer Regional Council   | NORTH DAKOTA          | 710,242               |
| GDO               | GD0000990           | IRA         | Virginia Department of Energy   | VIRGINIA              | 8,380,735             |
| GDO               | GD0001029           | IIJA        | Vier  | MASSACHUSETTS         | 29,302,948            |
| GDO               | GD0001006           | IIJA        | Ameresco  | MASSACHUSETTS         | 39,858,257            |
| GDO               | GD0001009           | IIJA        | Baltimore Gas & Electric Company  | MARYLAND              | 50,000,000            |
| GDO               | GD0001022           | IIJA        | Imperial Irrigation District  | CALIFORNIA            | 18,379,396            |
| FE                | FE0032321           | Base        | University of California - Los Angeles  | CALIFORNIA            | 1,600,000             |
| FE                | FE0032276           | Base        | Colorado State University   | COLORADO              | 19,499,432            |
| FE                | FE0032521           | Base        | Western Michigan University   | MICHIGAN              | 2,250,000             |
| FE                | FE0032510           | IIJA        | Overseas Shipholding Group, Inc.  | FLORIDA               | 2,478,350             |
| FE                | FE0032477           | Base        | Texas Tech University System  | TEXAS                 | 1,500,000             |
| FE                | FE0032467           | Base        | Ohio State University   | OHIO                  | 5,000,000             |
| FE                | FE0032465           | Base        | Calpine California CCUS Holdings, LLC   | TEXAS                 | 7,000,000             |
| FE                | FE0032463           | Base        | Ohio State University   | OHIO                  | 7,000,000             |
| FE                | FE0032453           | IIJA        | University of Alaska - Fairbanks  | ALASKA                | 8,880,349             |
| FE                | FE0032452           | IIJA        | Omnia Midstream Partners, LLC   | OKLAHOMA              | 8,925,950             |
| FE                | FE0032449           | IIJA        | Battelle Memorial Institute   | OHIO                  | 8,998,442             |
| FE                | FE0032448           | IIJA        | UNIVERSITY OF WYOMING   | WYOMING               | 8,997,490             |
| FE                | FE0032447           | IIJA        | Southern States Energy Board (SSEB)   | GEORGIA               | 9,000,000             |
| FE                | FE0032446           | IIJA        | Trifecta Renewable Solutions, LLC   | TEXAS                 | 8,618,299             |
| FE                | FE0032445           | IIJA        | Virginia Department of Energy   | VIRGINIA              | 4,296,915             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| FE                | FE0032444           | IIJA        | Tampa Electric Company                                | FLORIDA               | 97,559,107            |
| FE                | FE0032443           | IIJA        | River Parish Sequestration, LLC                       | TEXAS                 | 32,247,740            |
| FE                | FE0032441           | IIJA        | Southern States Energy Board (SSEB)                   | GEORGIA               | 55,248,172            |
| FE                | FE0032439           | IIJA        | BP Carbon Solutions, LLC                              | TEXAS                 | 68,523,516            |
| FE                | FE0032438           | IIJA        | Advanced Resources International, Inc.                | VIRGINIA              | 20,909,305            |
| FE                | FE0032407           | Base        | Battelle Memorial Institute                           | OHIO                  | 2,499,665             |
| FE                | FE0032395           | Base        | University of Missouri                                | MISSOURI              | 2,000,000             |
| FE                | FE0032392           | IIJA        | Southern States Energy Board (SSEB)                   | GEORGIA               | 10,242,232            |
| FE                | FE0032391           | IIJA        | ARIZONA STATE UNIVERSITY                              | ARIZONA               | 11,266,391            |
| FE                | FE0032387           | IIJA        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION            | KENTUCKY              | 2,999,250             |
| FE                | FE0032385           | IIJA        | ASRC CONSULTING & ENVIRONMENTAL SERVICES, LLC         | ALASKA                | 2,831,999             |
| FE                | FE0032384           | IIJA        | FERVO ENERGY COMPANY                                  | CALIFORNIA            | 2,861,106             |
| FE                | FE0032381           | IIJA        | Louisiana State University                            | LOUISIANA             | 2,999,960             |
| FE                | FE0032379           | IIJA        | Chevron U.S.A., Inc.                                  | CALIFORNIA            | 3,000,000             |
| FE                | FE0032361           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                         | TEXAS                 | 2,476,301             |
| FE                | FE0032360           | Base        | Carbon Solutions, LLC                                 | MINNESOTA             | 2,499,984             |
| FE                | FE0032347           | IIJA        | Carbon Solutions, LLC                                 | MINNESOTA             | 3,000,000             |
| FE                | FE0032345           | IIJA        | Howard Energy Partners                                | TEXAS                 | 3,000,000             |
| FE                | FE0032343           | IIJA        | UNIVERSITY OF WYOMING                                 | WYOMING               | 43,298,228            |
| FE                | FE0032341           | IIJA        | Southern States Energy Board (SSEB)                   | GEORGIA               | 17,015,534            |
| FE                | FE0032339           | IIJA        | Magnolia Sequestration Hub, LLC                       | TEXAS                 | 19,777,436            |
| FE                | FE0032338           | IIJA        | Bluebonnet Sequestration Hub, LLC                     | TEXAS                 | 16,478,916            |
| FE                | FE0032332           | IIJA        | BP Carbon Solutions, LLC                              | TEXAS                 | 31,615,441            |
| FE                | FE0032331           | IIJA        | UNIVERSITY OF NORTH DAKOTA                            | NORTH DAKOTA          | 42,838,265            |
| FE                | FE0032330           | IIJA        | Timberlands Sequestration, LLC                        | TEXAS                 | 29,491,333            |
| FE                | FE0032312           | Base        | Battelle Memorial Institute                           | OHIO                  | 8,135,244             |
| FE                | FE0032311           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                         | TEXAS                 | 2,999,999             |
| FE                | FE0032299           | Base        | West Virginia University Research Corporation (WVURC) | WEST VIRGINIA         | 5,561,366             |
| FE                | FE0032291           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                         | TEXAS                 | 3,999,999             |
| FE                | FE0032285           | Base        | UNIVERSITY OF OKLAHOMA                                | OKLAHOMA              | 4,000,000             |
| FE                | FE0032270           | Base        | Southern States Energy Board (SSEB)                   | GEORGIA               | 8,441,915             |
| FE                | FE0032263           | Base        | UNIVERSITY OF ALABAMA                                 | ALABAMA               | 2,000,000             |
| FE                | FE0032255           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION            | KENTUCKY              | 2,999,681             |
| FE                | FE0032246           | Base        | Washington University                                 | MISSOURI              | 2,000,000             |
| FE                | FE0032243           | Base        | Susteon, Inc.   | NORTH CAROLINA        | 3,000,000             |
| FE                | FE0032133           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION            | KENTUCKY              | 4,999,965             |
| FE                | FE0031558           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                         | TEXAS                 | 13,110,005            |
| FE                | FE0032555           | IIJA        | University of Utah                                    | UTAH                  | 5,000,000             |
| FE                | FE0032543           | Base        | UNIVERSITY OF NORTH DAKOTA                            | NORTH DAKOTA          | 2,000,000             |
| FE                | FE0032542           | Base        | LEHIGH UNIVERSITY                                     | PENNSYLVANIA          | 2,954,021             |
| FE                | FE0032534           | Base        | Stevens Institute of Technology                       | NEW JERSEY            | 500,000               |
| FE                | FE0032531           | Base        | University of Connecticut (UConn)                     | CONNECTICUT           | 499,998               |
| FE                | FE0032529           | Base        | Baker Hughes Energy Transition, LLC                   | PENNSYLVANIA          | 688,133               |
| FE                | FE0032528           | Base        | Electric Power Research Institute (EPRI)              | CALIFORNIA            | 699,964               |
| FE                | FE0032522           | IIJA        | Microbeam Technologies, Inc.                          | NORTH DAKOTA          | 2,499,978             |
| FE                | FE0032519           | Base        | West Virginia University Research Corporation (WVURC) | WEST VIRGINIA         | 280,000               |
| FE                | FE0032517           | IIJA        | West Virginia University Research Corporation (WVURC) | WEST VIRGINIA         | 5,000,000             |
| FE                | FE0032516           | Base        | Helios-NRG, LLC                                       | NEW YORK              | 999,024               |
| FE                | FE0032515           | Base        | Washington University                                 | MISSOURI              | 250,000               |
| FE                | FE0032514           | Base        | UNIVERSITY OF NORTH DAKOTA                            | NORTH DAKOTA          | 11,600,000            |
| FE                | FE0032513           | Base        | NORTH CAROLINA STATE UNIVERSITY                       | NORTH CAROLINA        | 249,998               |
| FE                | FE0032512           | Base        | University of Illinois                                | ILLINOIS              | 999,947               |

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| FE                | FE0032511           | IJJA        | Carbon Solutions, LLC                                      | MINNESOTA             | 3,000,000             |
| FE                | FE0032507           | Base        | Catalytic and Redox Solutions, LLC                         | NORTH CAROLINA        | 249,999               |
| FE                | FE0032506           | Base        | MICROBIO ENGINEERING                                       | CALIFORNIA            | 1,000,000             |
| FE                | FE0032505           | IJJA        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                 | KENTUCKY              | 5,000,000             |
| FE                | FE0032504           | Base        | Electricore, Inc.  | CALIFORNIA            | 250,000               |
| FE                | FE0032503           | Base        | ARIZONA STATE UNIVERSITY                                   | ARIZONA               | 1,000,000             |
| FE                | FE0032502           | Base        | Global Algae Innovations, Inc.                             | CALIFORNIA            | 1,000,000             |
| FE                | FE0032501           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                 | KENTUCKY              | 249,989               |
| FE                | FE0032500           | Base        | Ohio State University                                      | OHIO                  | 249,778               |
| FE                | FE0032498           | IJJA        | Pennsylvania State University (PSU)                        | PENNSYLVANIA          | 4,999,801             |
| FE                | FE0032497           | Base        | UNIVERSITY OF ALABAMA                                      | ALABAMA               | 249,771               |
| FE                | FE0032496           | Base        | University of Utah   | UTAH                  | 250,000               |
| FE                | FE0032495           | Base        | LEHIGH UNIVERSITY  | PENNSYLVANIA          | 2,000,000             |
| FE                | FE0032494           | Base        | Texas Tech University System                               | TEXAS                 | 1,499,992             |
| FE                | FE0032492           | Base        | Virginia Polytechnic Institute and State University        | VIRGINIA              | 1,500,000             |
| FE                | FE0032491           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY              | NEW MEXICO            | 1,499,951             |
| FE                | FE0032490           | IJJA        | Tetra Tech, Inc.   | TEXAS                 | 5,389,456             |
| FE                | FE0032489           | IJJA        | University of Illinois                                     | ILLINOIS              | 4,000,000             |
| FE                | FE0032488           | IJJA        | Winner Water Services, Inc.                                | PENNSYLVANIA          | 7,993,082             |
| FE                | FE0032487           | Base        | Battelle Memorial Institute                                | OHIO                  | 499,728               |
| FE                | FE0032486           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY              | NEW MEXICO            | 1,488,618             |
| FE                | FE0032484           | Base        | University of Texas at El Paso                             | TEXAS                 | 1,499,999             |
| FE                | FE0032483           | Base        | North Carolina Agricultural and Technical State University | NORTH CAROLINA        | 999,987               |
| FE                | FE0032482           | Base        | UNIVERSITY OF HOUSTON                                      | TEXAS                 | 704,489               |
| FE                | FE0032481           | Base        | Washington University                                      | MISSOURI              | 499,683               |
| FE                | FE0032480           | Base        | Duke University  | NORTH CAROLINA        | 500,000               |
| FE                | FE0032478           | Base        | University of California - Riverside                       | CALIFORNIA            | 999,990               |
| FE                | FE0032476           | Base        | Tennessee State University                                 | TENNESSEE             | 800,000               |
| FE                | FE0032475           | Base        | UNIVERSITY OF WYOMING                                      | WYOMING               | 1,000,000             |
| FE                | FE0032474           | Base        | GEORGIA TECH RESEARCH CORPORATION                          | GEORGIA               | 500,000               |
| FE                | FE0032473           | Base        | UNIVERSITY OF HOUSTON                                      | TEXAS                 | 749,999               |
| FE                | FE0032472           | Base        | University of Hawaii                                       | HAWAII                | 692,097               |
| FE                | FE0032471           | Base        | University of Alaska - Fairbanks                           | ALASKA                | 749,165               |
| FE                | FE0032470           | Base        | Howard University  | DISTRICT OF COLUMBIA  | 499,971               |
| FE                | FE0032469           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                 | KENTUCKY              | 499,811               |
| FE                | FE0032468           | Base        | University of Utah   | UTAH                  | 748,988               |
| FE                | FE0032464           | Base        | Overseas Shipholding Group, Inc.                           | FLORIDA               | 320,000               |
| FE                | FE0032461           | Base        | Susteon, Inc.  | NORTH CAROLINA        | 4,793,680             |
| FE                | FE0032460           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                 | KENTUCKY              | 6,999,969             |
| FE                | FE0032455           | Base        | Aris Water Solutions, Inc.                                 | TEXAS                 | 3,178,086             |
| FE                | FE0032454           | Base        | OHIO UNIVERSITY  | OHIO                  | 1,500,000             |
| FE                | FE0032419           | Base        | Research Triangle Institute (RTI)                          | NORTH CAROLINA        | 400,000               |
| FE                | FE0032418           | Base        | UNIVERSITY OF NORTH DAKOTA                                 | NORTH DAKOTA          | 188,748               |
| FE                | FE0032417           | Base        | University of California - Davis                           | CALIFORNIA            | 200,000               |
| FE                | FE0032416           | Base        | Captura Corporation  | CALIFORNIA            | 199,975               |
| FE                | FE0032415           | Base        | UNIVERSITY OF TENNESSEE                                    | TENNESSEE             | 399,999               |
| FE                | FE0032414           | Base        | AirCapture, LLC  | CALIFORNIA            | 396,996               |
| FE                | FE0032413           | Base        | GE Vernova Operations, LLC                                 | NEW YORK              | 374,457               |
| FE                | FE0032412           | Base        | West Virginia University Research Corporation (WVURC)      | WEST VIRGINIA         | 400,000               |
| FE                | FE0032411           | Base        | Ebb Carbon, Inc.   | CALIFORNIA            | 199,999               |
| FE                | FE0032409           | Base        | Ocean Energy USA, LLC                                      | CALIFORNIA            | 200,000               |
| FE                | FE0032408           | Base        | UNIVERSITY OF HOUSTON                                      | TEXAS                 | 199,999               |

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| FE                | FE0032406           | Base        | Advanced Cooling Technologies, Inc.                           | PENNSYLVANIA          | 199,883               |
| FE                | FE0032405           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 399,999               |
| FE                | FE0032404           | Base        | E2H2NANO, LLC   | NEW YORK              | 400,000               |
| FE                | FE0032403           | Base        | WASHINGTON STATE UNIVERSITY                                   | WASHINGTON            | 399,999               |
| FE                | FE0032402           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                    | KENTUCKY              | 199,998               |
| FE                | FE0032401           | Base        | UNIVERSITY OF DELAWARE  | DELAWARE              | 400,000               |
| FE                | FE0032400           | Base        | TDA Research, Inc.  | COLORADO              | 400,000               |
| FE                | FE0032399           | Base        | Calcify, LLC  | CONNECTICUT           | 1,364,279             |
| FE                | FE0032398           | Base        | CORNELL UNIVERSITY  | NEW YORK              | 1,998,248             |
| FE                | FE0032397           | Base        | Susteon, Inc.   | NORTH CAROLINA        | 400,000               |
| FE                | FE0032394           | Base        | Pennsylvania Department of Conservation and Natural Resources | PENNSYLVANIA          | 998,011               |
| FE                | FE0032374           | Base        | UNIVERSITY OF OKLAHOMA  | OKLAHOMA              | 999,999               |
| FE                | FE0032373           | Base        | Geological Survey of Alabama                                  | ALABAMA               | 958,735               |
| FE                | FE0032372           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 998,968               |
| FE                | FE0032371           | Base        | UNIVERSITY OF NORTH DAKOTA                                    | NORTH DAKOTA          | 2,500,000             |
| FE                | FE0032370           | Base        | Alaska Department of Natural Resources                        | ALASKA                | 1,000,000             |
| FE                | FE0032369           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY                 | NEW MEXICO            | 906,966               |
| FE                | FE0032368           | Base        | Western Michigan University                                   | MICHIGAN              | 856,585               |
| FE                | FE0032367           | Base        | Utah Geological Survey  | UTAH                  | 904,713               |
| FE                | FE0032366           | Base        | University of Illinois  | ILLINOIS              | 999,985               |
| FE                | FE0032365           | Base        | Indiana University  | INDIANA               | 1,000,000             |
| FE                | FE0032363           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY                 | NEW MEXICO            | 2,499,040             |
| FE                | FE0032362           | Base        | Oklahoma State University                                     | OKLAHOMA              | 1,357,710             |
| FE                | FE0032359           | Base        | Susteon, Inc.   | NORTH CAROLINA        | 1,500,000             |
| FE                | FE0032358           | Base        | UNIVERSITY OF NORTH DAKOTA                                    | NORTH DAKOTA          | 1,500,000             |
| FE                | FE0032357           | Base        | State University of New York (SUNY)                           | NEW YORK              | 1,174,503             |
| FE                | FE0032355           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 1,249,960             |
| FE                | FE0032354           | Base        | University of California - Los Angeles                        | CALIFORNIA            | 1,418,256             |
| FE                | FE0032353           | Base        | University of California - Riverside                          | CALIFORNIA            | 2,000,000             |
| FE                | FE0032352           | Base        | Osmoses, Inc.   | MASSACHUSETTS         | 1,249,997             |
| FE                | FE0032351           | Base        | Gas Technology Institute (GTI)                                | ILLINOIS              | 1,400,000             |
| FE                | FE0032350           | Base        | Palo Alto Research Center (PARC), Inc.                        | CALIFORNIA            | 1,249,999             |
| FE                | FE0032349           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                                 | TEXAS                 | 1,483,490             |
| FE                | FE0032348           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                             | CONNECTICUT           | 1,250,000             |
| FE                | FE0032344           | Base        | Southwest Research Institute (SwRI)                           | TEXAS                 | 1,500,000             |
| FE                | FE0032337           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 4,997,679             |
| FE                | FE0032336           | Base        | Colorado School of Mines                                      | COLORADO              | 1,500,000             |
| FE                | FE0032335           | Base        | Susteon, Inc.   | NORTH CAROLINA        | 1,250,000             |
| FE                | FE0032334           | Base        | Massachusetts Institute of Technology (MIT)                   | MASSACHUSETTS         | 1,500,000             |
| FE                | FE0032333           | Base        | Ohio State University   | OHIO                  | 1,499,238             |
| FE                | FE0032328           | Base        | TDA Research, Inc.  | COLORADO              | 1,250,000             |
| FE                | FE0032327           | Base        | Virginia Polytechnic Institute and State University           | VIRGINIA              | 1,499,999             |
| FE                | FE0032322           | Base        | University of Tulsa   | OKLAHOMA              | 1,250,000             |
| FE                | FE0032320           | Base        | Virginia Polytechnic Institute and State University           | VIRGINIA              | 1,000,000             |
| FE                | FE0032319           | Base        | Pennsylvania State University (PSU)                           | PENNSYLVANIA          | 2,100,000             |
| FE                | FE0032315           | Base        | Ambler, City Of   | ALASKA                | 650,000               |
| FE                | FE0032313           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                    | KENTUCKY              | 4,669,907             |
| FE                | FE0032308           | Base        | Pennsylvania State University (PSU)                           | PENNSYLVANIA          | 841,740               |
| FE                | FE0032301           | Base        | Southwest Research Institute (SwRI)                           | TEXAS                 | 597,806               |
| FE                | FE0032300           | Base        | KANSAS STATE UNIVERSITY                                       | KANSAS                | 1,000,000             |
| FE                | FE0032294           | Base        | UNIVERSITY OF OKLAHOMA  | OKLAHOMA              | 999,440               |

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                                 | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| FE                | FE0032290           | Base        | UNIVERSITY OF NORTH DAKOTA                               | NORTH DAKOTA          | 999,941               |
| FE                | FE0032287           | Base        | Gas Technology Institute (GTI)                           | ILLINOIS              | 6,000,000             |
| FE                | FE0032283           | Base        | University of Illinois                                   | ILLINOIS              | 999,999               |
| FE                | FE0032282           | Base        | UNIVERSITY OF NORTH DAKOTA                               | NORTH DAKOTA          | 9,000,000             |
| FE                | FE0032280           | Base        | UNIVERSITY OF DELAWARE                                   | DELAWARE              | 1,000,000             |
| FE                | FE0032279           | Base        | UNIVERSITY OF WYOMING                                    | WYOMING               | 8,407,697             |
| FE                | FE0032278           | Base        | GEORGIA TECH RESEARCH CORPORATION                        | GEORGIA               | 1,326,312             |
| FE                | FE0032277           | Base        | OHIO UNIVERSITY  | OHIO                  | 1,000,000             |
| FE                | FE0032275           | Base        | OHIO UNIVERSITY  | OHIO                  | 998,648               |
| FE                | FE0032274           | Base        | Iowa State University                                    | IOWA                  | 999,915               |
| FE                | FE0032273           | Base        | TENNESSEE TECHNOLOGICAL UNIVERSITY                       | TENNESSEE             | 1,000,000             |
| FE                | FE0032269           | Base        | Holocene Climate Corporation                             | TENNESSEE             | 1,500,000             |
| FE                | FE0032268           | Base        | University of Illinois                                   | ILLINOIS              | 8,898,036             |
| FE                | FE0032267           | Base        | Southern States Energy Board (SSEB)                      | GEORGIA               | 7,944,918             |
| FE                | FE0032266           | Base        | University of Utah                                       | UTAH                  | 8,007,459             |
| FE                | FE0032265           | Base        | Port of Corpus Christi Authority of Nueces County, Texas | TEXAS                 | 9,000,000             |
| FE                | FE0032264           | Base        | Advanced Resources International, Inc.                   | VIRGINIA              | 9,312,293             |
| FE                | FE0032261           | Base        | TDA Research, Inc.                                       | COLORADO              | 1,499,599             |
| FE                | FE0032259           | Base        | University of Nebraska                                   | NEBRASKA              | 805,138               |
| FE                | FE0032258           | Base        | OHIO UNIVERSITY  | OHIO                  | 2,000,000             |
| FE                | FE0032257           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY            | NEW MEXICO            | 999,998               |
| FE                | FE0032256           | Base        | University of Illinois                                   | ILLINOIS              | 1,994,739             |
| FE                | FE0032252           | Base        | UNIVERSITY OF ARIZONA                                    | ARIZONA               | 932,602               |
| FE                | FE0032249           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                            | TEXAS                 | 989,655               |
| FE                | FE0032247           | Base        | Virginia Polytechnic Institute and State University      | VIRGINIA              | 999,432               |
| FE                | FE0032245           | Base        | University of Hawaii                                     | HAWAII                | 1,000,000             |
| FE                | FE0032244           | Base        | UNIVERSITY OF NORTH DAKOTA                               | NORTH DAKOTA          | 1,000,000             |
| FE                | FE0032241           | Base        | Research Triangle Institute (RTI)                        | NORTH CAROLINA        | 3,000,000             |
| FE                | FE0032237           | Base        | University of Texas at El Paso                           | TEXAS                 | 750,000               |
| FE                | FE0032236           | Base        | Michigan Technological University                        | MICHIGAN              | 749,980               |
| FE                | FE0032235           | Base        | University of Utah                                       | UTAH                  | 500,000               |
| FE                | FE0032232           | Base        | Pennsylvania State University (PSU)                      | PENNSYLVANIA          | 4,500,000             |
| FE                | FE0032231           | Base        | CLEMSON UNIVERSITY                                       | SOUTH CAROLINA        | 800,000               |
| FE                | FE0032228           | Base        | University of Central Florida                            | FLORIDA               | 798,964               |
| FE                | FE0032226           | Base        | Pennsylvania State University (PSU)                      | PENNSYLVANIA          | 675,000               |
| FE                | FE0032225           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                        | CONNECTICUT           | 799,674               |
| FE                | FE0032221           | Base        | University of Illinois                                   | ILLINOIS              | 3,959,328             |
| FE                | FE0032220           | Base        | Research Triangle Institute (RTI)                        | NORTH CAROLINA        | 3,831,818             |
| FE                | FE0032214           | Base        | AUBURN UNIVERSITY  | ALABAMA               | 1,574,002             |
| FE                | FE0032212           | Base        | West Virginia University (WVU)                           | WEST VIRGINIA         | 400,000               |
| FE                | FE0032207           | Base        | University of California - Riverside                     | CALIFORNIA            | 400,000               |
| FE                | FE0032206           | Base        | West Virginia University (WVU)                           | WEST VIRGINIA         | 499,846               |
| FE                | FE0032205           | Base        | CLARKSON UNIVERSITY                                      | NEW YORK              | 535,000               |
| FE                | FE0032204           | Base        | Ohio State University                                    | OHIO                  | 399,869               |
| FE                | FE0032203           | Base        | Prairie View A&M University                              | TEXAS                 | 399,680               |
| FE                | FE0032198           | Base        | Florida A&M University                                   | FLORIDA               | 399,528               |
| FE                | FE0032197           | Base        | Kentucky State University                                | KENTUCKY              | 399,197               |
| FE                | FE0032196           | Base        | The University of Alabama In Huntsville                  | ALABAMA               | 500,000               |
| FE                | FE0032195           | Base        | Nevada System of Higher Education                        | NEVADA                | 396,835               |
| FE                | FE0032194           | Base        | UNIVERSITY OF NORTH DAKOTA                               | NORTH DAKOTA          | 400,000               |
| FE                | FE0032193           | Base        | UNIVERSITY OF WYOMING                                    | WYOMING               | 399,284               |
| FE                | FE0032192           | Base        | Dastur International, Inc.                               | NEW JERSEY            | 5,994,689             |

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|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| FE                | FE0032191           | Base        | West Virginia University Research Corporation (WVURC)            | WEST VIRGINIA         | 1,498,751             |
| FE                | FE0032190           | Base        | Southwest Technologies, LLC                                      | GEORGIA               | 950,000               |
| FE                | FE0032189           | Base        | MICROBIO ENGINEERING   | CALIFORNIA            | 1,849,590             |
| FE                | FE0032188           | Base        | University of Maryland Center for Environmental Science          | MARYLAND              | 1,686,375             |
| FE                | FE0032187           | Base        | Global Algae Innovations, Inc.                                   | CALIFORNIA            | 2,000,000             |
| FE                | FE0032186           | Base        | Dioxide Materials, Inc.  | FLORIDA               | 1,314,437             |
| FE                | FE0032184           | Base        | Virginia Polytechnic Institute and State University              | VIRGINIA              | 400,000               |
| FE                | FE0032183           | Base        | UNIVERSITY OF NORTH DAKOTA                                       | NORTH DAKOTA          | 1,600,000             |
| FE                | FE0032182           | Base        | UNIVERSITY OF NORTH DAKOTA                                       | NORTH DAKOTA          | 1,600,000             |
| FE                | FE0032181           | Base        | Electricore, Inc.  | CALIFORNIA            | 5,878,261             |
| FE                | FE0032180           | Base        | Electric Power Research Institute (EPRI)                         | CALIFORNIA            | 1,128,034             |
| FE                | FE0032178           | Base        | Washington University  | MISSOURI              | 1,600,000             |
| FE                | FE0032175           | Base        | University of Utah   | UTAH                  | 1,593,376             |
| FE                | FE0032174           | Base        | University of Utah   | UTAH                  | 1,595,957             |
| FE                | FE0032168           | Base        | National Grid USA Service Company, Inc.                          | MASSACHUSETTS         | 950,188               |
| FE                | FE0032164           | Base        | Southern Ute Indian Tribe  | COLORADO              | 2,500,000             |
| FE                | FE0032162           | Base        | Community Office for Resource Efficiency                         | COLORADO              | 1,200,000             |
| FE                | FE0032161           | Base        | Region 2 Plg & Dev Council                                       | WEST VIRGINIA         | 4,000,000             |
| FE                | FE0032155           | Base        | Ground Water Protection Council                                  | OKLAHOMA              | 7,799,899             |
| FE                | FE0032148           | Base        | Sustainable Energy Solutions, LLC                                | UTAH                  | 5,895,276             |
| FE                | FE0032139           | Base        | UNIVERSITY OF NORTH DAKOTA                                       | NORTH DAKOTA          | 1,000,000             |
| FE                | FE0032138           | Base        | Cormetech, Inc.  | NORTH CAROLINA        | 2,500,000             |
| FE                | FE0032134           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                       | KENTUCKY              | 2,452,268             |
| FE                | FE0032128           | Base        | UNIVERSITY OF CINCINNATI   | OHIO                  | 1,499,999             |
| FE                | FE0032111           | Base        | University of South Carolina                                     | SOUTH CAROLINA        | 1,000,000             |
| FE                | FE0032110           | Base        | University of Louisiana at Lafayette                             | LOUISIANA             | 1,000,000             |
| FE                | FE0032108           | Base        | TEXAS A&M AGRILIFE RESEARCH                                      | TEXAS                 | 2,000,000             |
| FE                | FE0032106           | Base        | Solar Turbines, Inc.   | CALIFORNIA            | 4,500,000             |
| FE                | FE0032104           | Base        | Global Algae Innovations, Inc.                                   | CALIFORNIA            | 2,000,000             |
| FE                | FE0032103           | Base        | Helios-NRG, LLC  | NEW YORK              | 1,999,228             |
| FE                | FE0032095           | Base        | National Association of Regulatory Utility Commissioners (NARUC) | DISTRICT OF COLUMBIA  | 1,000,000             |
| FE                | FE0032092           | Base        | Howard University  | DISTRICT OF COLUMBIA  | 399,935               |
| FE                | FE0032089           | Base        | University of Texas at El Paso                                   | TEXAS                 | 400,000               |
| FE                | FE0032088           | Base        | National Association of State Energy Officials (NASEO)           | VIRGINIA              | 1,000,000             |
| FE                | FE0032080           | Base        | San Diego State University                                       | CALIFORNIA            | 616,000               |
| FE                | FE0032079           | Base        | GEORGIA TECH RESEARCH CORPORATION                                | GEORGIA               | 799,997               |
| FE                | FE0032078           | Base        | OHIO UNIVERSITY  | OHIO                  | 399,481               |
| FE                | FE0032074           | Base        | Purdue University  | INDIANA               | 800,000               |
| FE                | FE0032072           | Base        | University of Central Florida                                    | FLORIDA               | 1,200,000             |
| FE                | FE0032071           | Base        | Michigan Technological University                                | MICHIGAN              | 400,000               |
| FE                | FE0032070           | Base        | Pennsylvania State University (PSU)                              | PENNSYLVANIA          | 399,435               |
| FE                | FE0032068           | Base        | West Virginia University Research Corporation (WVURC)            | WEST VIRGINIA         | 400,000               |
| FE                | FE0032058           | Base        | Rice University  | TEXAS                 | 1,199,595             |
| FE                | FE0032056           | Base        | University of Kansas Center for Research                         | KANSAS                | 2,085,000             |
| FE                | FE0032027           | Base        | National Rural Electric Cooperative Association (NRECA)          | VIRGINIA              | 500,000               |
| FE                | FE0032026           | Base        | American Public Power Association (APPA)                         | VIRGINIA              | 500,000               |
| FE                | FE0031998           | Base        | CONSOL Energy, Inc.  | PENNSYLVANIA          | 15,007,045            |
| FE                | FE0031995           | Base        | University of Illinois   | ILLINOIS              | 20,458,990            |
| FE                | FE0031979           | Base        | UNIVERSITY OF CINCINNATI   | OHIO                  | 1,484,837             |
| FE                | FE0031969           | Base        | State University of New York (SUNY)                              | NEW YORK              | 800,000               |
| FE                | FE0031944           | Base        | Chevron U.S.A., Inc.   | CALIFORNIA            | 13,000,000            |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| FE                | FE0031929           | Base        | Southwest Research Institute (SwRI)   | TEXAS                 | 5,188,415             |
| FE                | FE0031926           | Base        | TDA Research, Inc.  | COLORADO              | 3,000,000             |
| FE                | FE0031925           | Base        | Washington University   | MISSOURI              | 5,336,410             |
| FE                | FE0031922           | Base        | Parametric Solutions, Inc.  | FLORIDA               | 12,000,000            |
| FE                | FE0031906           | Base        | Morgan State University   | MARYLAND              | 500,000               |
| FE                | FE0031902           | Base        | University of Maryland  | MARYLAND              | 500,000               |
| FE                | FE0031899           | Base        | MICHIGAN STATE UNIVERSITY   | MICHIGAN              | 496,475               |
| FE                | FE0031895           | Base        | UNIVERSITY OF MASSACHUSETTS   | MASSACHUSETTS         | 499,958               |
| FE                | FE0031894           | Base        | UNIVERSITY OF TEXAS AT SAN ANTONIO  | TEXAS                 | 499,982               |
| FE                | FE0031892           | Base        | University of Illinois  | ILLINOIS              | 19,721,780            |
| FE                | FE0031891           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 17,190,829            |
| FE                | FE0031875           | Base        | Gas Technology Institute (GTI)  | ILLINOIS              | 1,499,918             |
| FE                | FE0031867           | Base        | Stanford University   | CALIFORNIA            | 1,700,000             |
| FE                | FE0031861           | Base        | UNIVERSITY OF TEXAS AT AUSTIN   | TEXAS                 | 4,337,882             |
| FE                | FE0031859           | Base        | Subsea Shuttle, LLC   | TEXAS                 | 2,998,962             |
| FE                | FE0031838           | Base        | University of North Dakota Energy and Environmental Research Center (UNDEERC) | NORTH DAKOTA          | 15,000,000            |
| FE                | FE0031837           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY                                 | NEW MEXICO            | 12,988,580            |
| FE                | FE0031836           | Base        | Battelle Memorial Institute   | OHIO                  | 14,849,641            |
| FE                | FE0031830           | Base        | Southern States Energy Board (SSEB)   | GEORGIA               | 14,700,001            |
| FE                | FE0031826           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 1,000,000             |
| FE                | FE0031819           | Base        | West Virginia University Research Corporation (WVURC)                         | WEST VIRGINIA         | 5,752,968             |
| FE                | FE0031792           | Base        | Battelle Memorial Institute   | OHIO                  | 7,999,998             |
| FE                | FE0031790           | Base        | UNIVERSITY OF NORTH DAKOTA  | NORTH DAKOTA          | 7,997,077             |
| FE                | FE0031789           | Base        | University of North Dakota Energy and Environmental Research Center (UNDEERC) | NORTH DAKOTA          | 7,973,881             |
| FE                | FE0031787           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 8,000,000             |
| FE                | FE0031779           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 7,833,908             |
| FE                | FE0031775           | Base        | University of Utah  | UTAH                  | 8,000,000             |
| FE                | FE0031738           | Base        | UNIVERSITY OF WYOMING   | WYOMING               | 2,844,459             |
| FE                | FE0031730           | Base        | RENSSELAER POLYTECHNIC INSTITUTE  | NEW YORK              | 3,000,000             |
| FE                | FE0031694           | Base        | University of North Dakota Energy and Environmental Research Center (UNDEERC) | NORTH DAKOTA          | 3,495,588             |
| FE                | FE0031688           | Base        | RESPEC Company, LLC   | SOUTH DAKOTA          | 3,289,072             |
| FE                | FE0031588           | Base        | SRI INTERNATIONAL   | CALIFORNIA            | 17,499,828            |
| FE                | FE0031581           | Base        | University of Illinois  | ILLINOIS              | 57,762,896            |
| FE                | FE0024233           | Base        | University of North Dakota Energy and Environmental Research Center (UNDEERC) | NORTH DAKOTA          | 38,825,000            |
| FE                | FE0023919           | Base        | UNIVERSITY OF TEXAS AT AUSTIN   | TEXAS                 | 75,109,802            |
| FE                | FE0022596           | Base        | Southern Company Services, Inc.   | ALABAMA               | 251,005,250           |
| EERE              | EE0011605           | Base        | LOUISIANA CLEAN FUELS   | LOUISIANA             | 82,500                |
| EERE              | EE0011599           | Base        | LUXTECH LLC   | PENNSYLVANIA          | 1,000,000             |
| EERE              | EE0011567           | IJJA        | MIDWEST ENERGY EFFICIENCY ALLIANCE  | ILLINOIS              | 4,097,938             |
| EERE              | EE0011561           | IJJA        | CITY OF TUCSON  | ARIZONA               | 1,721,540             |
| EERE              | EE0011548           | Base        | SCHLUMBERGER TECHNOLOGY CORPORATION   | TEXAS                 | 8,000,000             |
| EERE              | EE0011547           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 4,280,182             |
| EERE              | EE0011536           | Base        | UNIVERSITY OF HOUSTON   | TEXAS                 | 999,604               |
| EERE              | EE0011535           | Base        | WAYNE STATE UNIVERSITY  | MICHIGAN              | 748,858               |
| EERE              | EE0011533           | Base        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS                                | VIRGINIA              | 1,000,000             |
| EERE              | EE0011529           | Base        | INTERNATIONAL CODE COUNCIL INC  | ILLINOIS              | 750,000               |
| EERE              | EE0011528           | Base        | KRUEGER TRANSPORT LLC   | CALIFORNIA            | 1,000,000             |
| EERE              | EE0011512           | Base        | GEORGIA TECH RESEARCH CORPORATION   | GEORGIA               | 250,000               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0011510           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                           | CALIFORNIA            | 250,000               |
| EERE              | EE0011499           | Base        | UNIVERSITY OF TENNESSEE                                       | TENNESSEE             | 600,000               |
| EERE              | EE0011426           | IJJA        | HYDRO RESEARCH FOUNDATION                                     | COLORADO              | 1,000,000             |
| EERE              | EE0011425           | Base        | TAU SCIENCE CORPORATION                                       | OREGON                | 1,768,595             |
| EERE              | EE0011423           | Base        | BRIGHTSPOT AUTOMATION LLC                                     | COLORADO              | 1,310,000             |
| EERE              | EE0011420           | Base        | FIRST SOLAR, INC.   | ARIZONA               | 5,197,154             |
| EERE              | EE0011416           | Base        | RCAM Technologies Inc   | COLORADO              | 648,371               |
| EERE              | EE0011414           | Base        | THE R&D LAB CO.   | CALIFORNIA            | 1,003,596             |
| EERE              | EE0011412           | Base        | SILFAB SOLAR WA INC   | WASHINGTON            | 399,995               |
| EERE              | EE0011411           | Base        | NORIA ENERGY HOLDINGS LLC                                     | CALIFORNIA            | 1,149,954             |
| EERE              | EE0011399           | Base        | UNIVERSITY OF LOUISVILLE 80668                                | KENTUCKY              | 110,000               |
| EERE              | EE0011385           | IJJA        | NEW MEXICO STATE UNIVERSITY                                   | NEW MEXICO            | 7,132,127             |
| EERE              | EE0011383           | Base        | Interstate Renewable Energy Council                           | NEW YORK              | 1,500,000             |
| EERE              | EE0011373           | Base        | MIDCONTINENT INDEPENDENT SYSTEM OPERATOR                      | INDIANA               | 2,200,000             |
| EERE              | EE0011372           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 3,098,342             |
| EERE              | EE0011364           | IJJA        | REACTION ENGINEERING INTERNATIONAL                            | UTAH                  | 5,543,221             |
| EERE              | EE0011363           | IJJA        | MOLG INC  | VIRGINIA              | 5,157,122             |
| EERE              | EE0011361           | IJJA        | UHV TECHNOLOGIES, INC   | INDIANA               | 4,000,000             |
| EERE              | EE0011359           | IJJA        | LI INDUSTRIES, INC.   | NORTH CAROLINA        | 6,700,000             |
| EERE              | EE0011336           | IJJA        | UNIVERSITY OF OKLAHOMA  | OKLAHOMA              | 3,141,250             |
| EERE              | EE0011335           | IJJA        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                 | WEST VIRGINIA         | 4,462,889             |
| EERE              | EE0011334           | IJJA        | UNIVERSITY OF NORTH DAKOTA                                    | NORTH DAKOTA          | 4,199,888             |
| EERE              | EE0011331           | IJJA        | TETRAMER TECHNOLOGIES LLC                                     | SOUTH CAROLINA        | 4,999,994             |
| EERE              | EE0011325           | IJJA        | CHEMTRONERGY, LLC   | UTAH                  | 2,600,196             |
| EERE              | EE0011323           | IJJA        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 4,902,057             |
| EERE              | EE0011321           | IJJA        | 3M COMPANY  | MINNESOTA             | 4,995,491             |
| EERE              | EE0011320           | IJJA        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                 | WEST VIRGINIA         | 9,279,968             |
| EERE              | EE0011318           | IJJA        | POWER TO HYDROGEN LLC   | OHIO                  | 6,602,155             |
| EERE              | EE0011314           | IJJA        | ESPIN TECHNOLOGIES, INC.                                      | TENNESSEE             | 6,344,564             |
| EERE              | EE0011302           | IJJA        | Proton Energy Systems Inc                                     | CONNECTICUT           | 49,550,000            |
| EERE              | EE0011279           | IJJA        | MAZAMA ENGERY, INC  | WASHINGTON            | 17,397,239            |
| EERE              | EE0011278           | IJJA        | CHEVRON USA, INC  | CALIFORNIA            | 11,880,000            |
| EERE              | EE0011277           | IJJA        | FERVO ENERGY COMPANY  | TEXAS                 | 22,082,025            |
| EERE              | EE0011268           | Base        | UNITED STATES ADVANCED BATTERY CONSORTIUM LLC                 | MICHIGAN              | 60,000,000            |
| EERE              | EE0011266           | IJJA        | UNIVERSITY OF ALASKA ANCHORAGE                                | ALASKA                | 9,500,000             |
| EERE              | EE0011265           | IJJA        | OCEAN RENEWABLE POWER CO LLC                                  | MAINE                 | 17,500,000            |
| EERE              | EE0011264           | IJJA        | ORCAS PWR & LIGHT COOPERATIVE                                 | WASHINGTON            | 17,500,000            |
| EERE              | EE0011253           | IJJA        | THE DANNON PROJECT  | ALABAMA               | 1,500,000             |
| EERE              | EE0011250           | IJJA        | OREGON TRADESWOMEN, INC.                                      | OREGON                | 1,256,363             |
| EERE              | EE0011249           | IJJA        | LOS ANGELES CLEANTECH INCUBATOR                               | CALIFORNIA            | 1,364,445             |
| EERE              | EE0011247           | IJJA        | REVEL TRANSIT INC.  | NEW YORK              | 405,500               |
| EERE              | EE0011246           | IJJA        | CHILDRENS MUSEUM OF INDIANAPOLIS INC                          | INDIANA               | 285,500               |
| EERE              | EE0011240           | IJJA        | CITIZEN ENERGY LLC  | DISTRICT OF COLUMBIA  | 1,478,244             |
| EERE              | EE0011234           | IJJA        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY               | IOWA                  | 919,997               |
| EERE              | EE0011233           | IJJA        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,125,000             |
| EERE              | EE0011232           | IJJA        | COLORADO STATE UNIVERSITY 67868                               | COLORADO              | 962,218               |
| EERE              | EE0011230           | Base        | WILLIAM MARSH RICE UNIVERSITY                                 | TEXAS                 | 1,500,000             |
| EERE              | EE0011229           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                                 | TEXAS                 | 1,000,000             |
| EERE              | EE0011227           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 1,693,054             |
| EERE              | EE0011226           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 3,000,000             |
| EERE              | EE0011225           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 2,799,204             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0011224           | Base        | BECK DISPLACEMENT PRESS LLC                   | WISCONSIN             | 2,185,300             |
| EERE              | EE0011223           | Base        | TRUSTEES OF PRINCETON UNIVERSITY, THE         | NEW JERSEY            | 3,032,125             |
| EERE              | EE0011222           | Base        | CALPORTLAND CO                                | NEVADA                | 4,000,000             |
| EERE              | EE0011221           | Base        | SUBLIME SYSTEMS, INC.                         | MASSACHUSETTS         | 6,690,175             |
| EERE              | EE0011219           | Base        | ASH GROVE CEMENT CO INC                       | KANSAS                | 4,287,347             |
| EERE              | EE0011218           | Base        | ADVANCED COOLING TECHNOLOGIES, INC            | PENNSYLVANIA          | 2,100,000             |
| EERE              | EE0011217           | Base        | University of Texas at Dallas                 | TEXAS                 | 2,200,000             |
| EERE              | EE0011216           | Base        | UNIVERSITY OF CALIFORNIA, DAVIS               | CALIFORNIA            | 1,982,350             |
| EERE              | EE0011215           | Base        | UNIVERSITY OF OREGON                          | OREGON                | 733,689               |
| EERE              | EE0011214           | Base        | SEERSTONE DEVELOPMENT LLC                     | UTAH                  | 8,888,183             |
| EERE              | EE0011213           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE            | PENNSYLVANIA          | 720,000               |
| EERE              | EE0011212           | Base        | Purdue University                             | INDIANA               | 7,158,034             |
| EERE              | EE0011209           | Base        | OHIO STATE UNIVERSITY, THE                    | OHIO                  | 3,000,000             |
| EERE              | EE0011208           | Base        | GINER, INC                                    | MASSACHUSETTS         | 3,000,000             |
| EERE              | EE0011207           | Base        | RESOURCE CHEMICAL CORP.                       | CALIFORNIA            | 5,400,000             |
| EERE              | EE0011206           | Base        | BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC     | ARIZONA               | 9,084,066             |
| EERE              | EE0011204           | Base        | ELECTRIFIED THERMAL SOLUTIONS, INC.           | MASSACHUSETTS         | 5,000,000             |
| EERE              | EE0011203           | Base        | NOBLE THERMODYNAMIC SYSTEMS, INC.             | CALIFORNIA            | 4,250,647             |
| EERE              | EE0011202           | Base        | LELAND STANFORD JUNIOR UNIVERSITY, THE        | CALIFORNIA            | 1,975,000             |
| EERE              | EE0011201           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES      | COLORADO              | 4,500,000             |
| EERE              | EE0011197           | Base        | UNIVERSITY OF LOUISVILLE 80668                | KENTUCKY              | 1,570,106             |
| EERE              | EE0011196           | Base        | INSTITUTE OF GAS TECHNOLOGY                   | ILLINOIS              | 3,000,000             |
| EERE              | EE0011195           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION | WEST VIRGINIA         | 2,500,000             |
| EERE              | EE0011194           | Base        | UNIVERSITY OF CINCINNATI                      | OHIO                  | 1,439,408             |
| EERE              | EE0011193           | Base        | GLASS MANUFACTURING INDUSTRY COUNCIL          | OHIO                  | 2,100,022             |
| EERE              | EE0011191           | Base        | LELAND STANFORD JUNIOR UNIVERSITY, THE        | CALIFORNIA            | 3,000,000             |
| EERE              | EE0011190           | Base        | ATMOSZERO, INC.                               | COLORADO              | 3,197,493             |
| EERE              | EE0011185           | Base        | UNIVERSITY OF TENNESSEE                       | TENNESSEE             | 1,000,000             |
| EERE              | EE0011184           | Base        | Regents of The University of Michigan         | MICHIGAN              | 1,000,000             |
| EERE              | EE0011183           | Base        | BIG BLUE TECHNOLOGIES LLC                     | WYOMING               | 2,000,000             |
| EERE              | EE0011182           | Base        | MAGRATHEA METALS INC                          | CALIFORNIA            | 1,170,817             |
| EERE              | EE0011181           | Base        | University of California, Berkeley            | CALIFORNIA            | 1,973,985             |
| EERE              | EE0011180           | Base        | UNIVERSITY OF UTAH, THE                       | UTAH                  | 1,547,901             |
| EERE              | EE0011179           | Base        | WASHINGTON STATE UNIVERSITY                   | WASHINGTON            | 1,650,000             |
| EERE              | EE0011177           | Base        | MAHLE POWERTRAIN, LLC                         | MICHIGAN              | 2,734,162             |
| EERE              | EE0011176           | Base        | CUMMINS INC                                   | INDIANA               | 2,555,001             |
| EERE              | EE0011175           | Base        | PACCAR, Inc.                                  | WASHINGTON            | 2,585,000             |
| EERE              | EE0011169           | Base        | UNIVERSITY OF SOUTH CAROLINA (INC)            | SOUTH CAROLINA        | 1,580,020             |
| EERE              | EE0011168           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES      | COLORADO              | 1,216,398             |
| EERE              | EE0011167           | Base        | University of California, Berkeley            | CALIFORNIA            | 1,520,000             |
| EERE              | EE0011166           | Base        | Purdue University                             | INDIANA               | 1,752,714             |
| EERE              | EE0011159           | Base        | Electric Power Research Institute, Inc.       | CALIFORNIA            | 249,984               |
| EERE              | EE0011158           | Base        | Purdue University                             | INDIANA               | 248,958               |
| EERE              | EE0011157           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES      | COLORADO              | 250,000               |
| EERE              | EE0011156           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES      | COLORADO              | 200,000               |
| EERE              | EE0011155           | Base        | UNIVERSITY OF CALIFORNIA, DAVIS               | CALIFORNIA            | 188,804               |
| EERE              | EE0011154           | Base        | Regents of The University of Michigan         | MICHIGAN              | 250,000               |
| EERE              | EE0011153           | Base        | TRUSTEES OF DARTMOUTH COLLEGE                 | NEW HAMPSHIRE         | 250,000               |
| EERE              | EE0011152           | Base        | ARIZONA STATE UNIVERSITY                      | ARIZONA               | 250,000               |
| EERE              | EE0011151           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES      | COLORADO              | 399,997               |
| EERE              | EE0011150           | Base        | UNIVERSITY OF DAYTON                          | OHIO                  | 399,557               |
| EERE              | EE0011148           | Base        | TENNESSEE TECHNOLOGICAL UNIVERSITY            | TENNESSEE             | 400,000               |

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|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| EERE              | EE0011146           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES             | COLORADO              | 270,000               |
| EERE              | EE0011145           | Base        | American Lung Association                            | ILLINOIS              | 1,000,000             |
| EERE              | EE0011144           | Base        | GREATER SACRAMENTO REGIONAL CLEAN AIR COALITION, INC | CALIFORNIA            | 944,904               |
| EERE              | EE0011143           | Base        | UTAH CLEAN CITIES                                    | UTAH                  | 1,500,000             |
| EERE              | EE0011142           | Base        | JAMES MADISON UNIVERSITY                             | VIRGINIA              | 998,759               |
| EERE              | EE0011141           | Base        | PARTNERSHIP FOR CLEAN TRANSPORTATION INC             | GEORGIA               | 999,708               |
| EERE              | EE0011140           | Base        | METROPOLITAN ENERGY CENTER INC                       | MISSOURI              | 999,949               |
| EERE              | EE0011139           | Base        | WORLD RESOURCES INSTITUTE INC                        | DISTRICT OF COLUMBIA  | 1,000,000             |
| EERE              | EE0011137           | Base        | PENNSYLVANIA DEPARTMENT OF TRANSPORTATION            | PENNSYLVANIA          | 645,486               |
| EERE              | EE0011136           | Base        | MITRA EV, INC.                                       | CALIFORNIA            | 1,000,000             |
| EERE              | EE0011135           | Base        | CALSTART INC   | CALIFORNIA            | 998,772               |
| EERE              | EE0011134           | Base        | NEW YORK CITY LOWER HUDSON VALLEY CLEAN COMMUNITIES  | NEW YORK              | 999,999               |
| EERE              | EE0011122           | Base        | AMERICAN INSTITUTE OF CHEMICAL ENGINEERS             | NEW YORK              | 40,000,000            |
| EERE              | EE0011115           | Base        | ZYMOCHEM INC   | CALIFORNIA            | 2,750,000             |
| EERE              | EE0011114           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                  | WISCONSIN             | 2,500,000             |
| EERE              | EE0011113           | Base        | INVIZYNE TECHNOLOGIES, INC                           | CALIFORNIA            | 3,770,190             |
| EERE              | EE0011112           | Base        | OHIO STATE UNIVERSITY, THE                           | OHIO                  | 2,499,657             |
| EERE              | EE0011111           | Base        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)              | MICHIGAN              | 2,250,000             |
| EERE              | EE0011106           | Base        | GENERAL MOTORS LLC                                   | MICHIGAN              | 4,069,426             |
| EERE              | EE0011099           | Base        | WASHINGTON STATE UNIVERSITY                          | WASHINGTON            | 1,000,000             |
| EERE              | EE0011098           | Base        | JOHNS HOPKINS UNIVERSITY                             | MARYLAND              | 1,000,000             |
| EERE              | EE0011097           | Base        | UNIVERSITY OF TENNESSEE                              | TENNESSEE             | 746,269               |
| EERE              | EE0011096           | Base        | UNIVERSITY OF SOUTHERN CALIFORNIA                    | CALIFORNIA            | 660,000               |
| EERE              | EE0011095           | Base        | WILLIAM MARSH RICE UNIVERSITY                        | TEXAS                 | 1,000,000             |
| EERE              | EE0011094           | Base        | LOUISIANA STATE UNIVERSITY SYSTEM                    | LOUISIANA             | 999,975               |
| EERE              | EE0011093           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES             | COLORADO              | 983,764               |
| EERE              | EE0011092           | Base        | MARINESITU, INC                                      | WASHINGTON            | 817,777               |
| EERE              | EE0011091           | Base        | NATEL ENERGY HOLDINGS, INC.                          | CALIFORNIA            | 1,084,857             |
| EERE              | EE0011090           | Base        | Electric Power Research Institute, Inc.              | CALIFORNIA            | 1,300,000             |
| EERE              | EE0011089           | Base        | UNIVERSITY OF CALIFORNIA, DAVIS                      | CALIFORNIA            | 875,000               |
| EERE              | EE0011087           | Base        | UNIVERSITY OF MASSACHUSETTS                          | MASSACHUSETTS         | 758,517               |
| EERE              | EE0011086           | IIJA        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY      | IOWA                  | 750,000               |
| EERE              | EE0011085           | IIJA        | BOISE STATE UNIVERSITY                               | IDAHO                 | 999,904               |
| EERE              | EE0011081           | IIJA        | YUOK TRIBE   | CALIFORNIA            | 499,787               |
| EERE              | EE0011079           | IIJA        | GULF OF MAINE RESEARCH INSTITUTE                     | MAINE                 | 500,000               |
| EERE              | EE0011075           | IIJA        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY      | IOWA                  | 700,000               |
| EERE              | EE0011061           | Base        | Global Algae Innovations Inc                         | CALIFORNIA            | 1,750,000             |
| EERE              | EE0011060           | Base        | ARIZONA STATE UNIVERSITY                             | ARIZONA               | 1,500,000             |
| EERE              | EE0011057           | Base        | NEW MEXICO STATE UNIVERSITY                          | NEW MEXICO            | 2,000,000             |
| EERE              | EE0011056           | Base        | AEQUOR INC.  | CALIFORNIA            | 1,200,000             |
| EERE              | EE0011054           | Base        | UNIVERSITY OF TENNESSEE                              | TENNESSEE             | 3,883,552             |
| EERE              | EE0011053           | Base        | CORTEVA AGRISCIENCE LLC                              | INDIANA               | 5,004,663             |
| EERE              | EE0011052           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES                 | CALIFORNIA            | 31,000,000            |
| EERE              | EE0011051           | Base        | GE Vernova Operations LLC                            | NEW YORK              | 13,206,418            |
| EERE              | EE0011049           | IIJA        | Electric Power Research Institute, Inc.              | CALIFORNIA            | 2,348,972             |
| EERE              | EE0011048           | IIJA        | DROPS FOR WATTS, NONPROFIT INC.                      | IDAHO                 | 243,540               |
| EERE              | EE0011047           | IIJA        | RCAM Technologies Inc                                | COLORADO              | 3,950,000             |
| EERE              | EE0011046           | IIJA        | QUIDNET ENERGY INC.                                  | TEXAS                 | 2,084,165             |
| EERE              | EE0011044           | IIJA        | EMRGY, INC.  | GEORGIA               | 1,600,308             |
| EERE              | EE0011043           | IIJA        | TURBINE MONITORING AND SUPPORT SERVICES, LLC         | GEORGIA               | 52,258                |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0011039           | Base        | MOJAVE ENERGY SYSTEMS, INC.                                   | CALIFORNIA            | 2,215,200             |
| EERE              | EE0011038           | Base        | PRINCETON NUENERGY INC.                                       | NEW JERSEY            | 3,260,000             |
| EERE              | EE0011037           | Base        | HIT NANO, INC.  | NEW JERSEY            | 2,905,000             |
| EERE              | EE0011036           | Base        | ASCEND ELEMENTS, INC.   | MASSACHUSETTS         | 2,712,473             |
| EERE              | EE0011035           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY             | VIRGINIA              | 3,423,766             |
| EERE              | EE0011034           | Base        | NTH CYCLE INC   | MASSACHUSETTS         | 2,250,000             |
| EERE              | EE0011033           | Base        | Regents of The University of Michigan                         | MICHIGAN              | 1,600,000             |
| EERE              | EE0011032           | Base        | ADVANO, INC.  | LOUISIANA             | 2,825,524             |
| EERE              | EE0011031           | Base        | UNIVERSITY OF WASHINGTON                                      | WASHINGTON            | 1,198,361             |
| EERE              | EE0011030           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 1,202,500             |
| EERE              | EE0011029           | Base        | UNIVERSITY OF CONNECTICUT                                     | CONNECTICUT           | 1,999,139             |
| EERE              | EE0011028           | Base        | GENERAL ATOMICS   | CALIFORNIA            | 1,999,999             |
| EERE              | EE0011027           | Base        | SRI INTERNATIONAL   | CALIFORNIA            | 1,999,999             |
| EERE              | EE0011026           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                             | CONNECTICUT           | 1,449,784             |
| EERE              | EE0011025           | Base        | DOVER PUMPS & PROCESS SOLUTIONS SEGMENT, INC.                 | TEXAS                 | 1,162,000             |
| EERE              | EE0011024           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                                | MISSOURI              | 1,500,001             |
| EERE              | EE0011022           | Base        | DEXMAT INC.   | TEXAS                 | 1,120,016             |
| EERE              | EE0011021           | Base        | SOLAR SYNERGIES, INC.   | CALIFORNIA            | 200,000               |
| EERE              | EE0011020           | Base        | UNIVERSITY OF UTAH, THE                                       | UTAH                  | 300,000               |
| EERE              | EE0011019           | Base        | GENERAL MOTORS LLC  | MICHIGAN              | 299,984               |
| EERE              | EE0011018           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                    | COLORADO              | 300,000               |
| EERE              | EE0011014           | Base        | UNIVERSITY OF NORTH DAKOTA                                    | NORTH DAKOTA          | 2,900,000             |
| EERE              | EE0011003           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 32,250,000            |
| EERE              | EE0010996           | Base        | ST CLOUD, CITY OF   | MINNESOTA             | 3,675,000             |
| EERE              | EE0010995           | Base        | MILWAUKEE METROPOLITAN SEWERAGE DISTRICT                      | WISCONSIN             | 3,095,000             |
| EERE              | EE0010994           | Base        | AECOM TECHNICAL SERVICES, INC                                 | CALIFORNIA            | 4,000,000             |
| EERE              | EE0010991           | Base        | UNIVERSITY OF CONNECTICUT                                     | CONNECTICUT           | 2,000,000             |
| EERE              | EE0010987           | Base        | WASHINGTON SUBURBAN SANITARY COMMISSION                       | MARYLAND              | 2,231,636             |
| EERE              | EE0010986           | Base        | BLACK & VEATCH SPECIAL PROJECTS CORP.                         | KANSAS                | 1,918,133             |
| EERE              | EE0010985           | Base        | FLORIDA ATLANTIC UNIVERSITY                                   | FLORIDA               | 800,000               |
| EERE              | EE0010984           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 607,819               |
| EERE              | EE0010983           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 1,585,180             |
| EERE              | EE0010982           | Base        | ONEKA TECHNOLOGIES US INC.                                    | FLORIDA               | 1,395,579             |
| EERE              | EE0010981           | Base        | SEA POTENTIAL LLC   | MAINE                 | 1,789,178             |
| EERE              | EE0010980           | Base        | WATER BROS DESAL LIMITED LIABILITY COMPANY                    | NORTH CAROLINA        | 1,568,114             |
| EERE              | EE0010979           | Base        | ONEKA TECHNOLOGIES US INC.                                    | FLORIDA               | 1,989,795             |
| EERE              | EE0010969           | Base        | UNIVERSITY OF CONNECTICUT                                     | CONNECTICUT           | 7,979,346             |
| EERE              | EE0010968           | Base        | UNIVERSITY SYSTEM OF NEW HAMPSHIRE                            | NEW HAMPSHIRE         | 1,375,980             |
| EERE              | EE0010967           | Base        | CASCADE ENERGY, LLC   | OREGON                | 1,500,000             |
| EERE              | EE0010966           | Base        | OPTONY INC  | CALIFORNIA            | 1,292,451             |
| EERE              | EE0010965           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 1,499,799             |
| EERE              | EE0010964           | Base        | University of Illinois  | ILLINOIS              | 3,000,000             |
| EERE              | EE0010963           | Base        | HOUSTON ADVANCED RESEARCH CENT                                | TEXAS                 | 1,498,631             |
| EERE              | EE0010962           | Base        | WASHINGTON STATE UNIVERSITY                                   | WASHINGTON            | 1,238,268             |
| EERE              | EE0010961           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                            | PENNSYLVANIA          | 3,000,000             |
| EERE              | EE0010954           | IJJA        | ENERGY COMMISSION, CALIFORNIA                                 | CALIFORNIA            | 2,250,000             |
| EERE              | EE0010950           | IJJA        | NEW BUILDINGS INSTITUTE, INC.                                 | OREGON                | 1,000,000             |
| EERE              | EE0010948           | IJJA        | FORT COLLINS, CITY OF   | COLORADO              | 693,595               |
| EERE              | EE0010943           | IJJA        | ENERGY FUTURES GROUP, INC.                                    | VERMONT               | 1,000,000             |
| EERE              | EE0010942           | IJJA        | NEW BUILDINGS INSTITUTE, INC.                                 | OREGON                | 3,500,000             |
| EERE              | EE0010940           | IJJA        | CLEAN ENERGY GROUP INC  | VERMONT               | 1,000,000             |

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| EERE              | EE0010932           | IJJA        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE                                   | GEORGIA               | 986,575               |
| EERE              | EE0010931           | IJJA        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE                                   | GEORGIA               | 1,397,000             |
| EERE              | EE0010927           | Base        | CHANNING STREET COPPER COMPANY   | CALIFORNIA            | 1,498,389             |
| EERE              | EE0010926           | Base        | BLIP ENERGY INC  | ILLINOIS              | 950,000               |
| EERE              | EE0010925           | Base        | Purdue University  | INDIANA               | 1,250,000             |
| EERE              | EE0010924           | Base        | Electric Power Research Institute, Inc.                                | CALIFORNIA            | 620,000               |
| EERE              | EE0010923           | Base        | CENTER FOR ENERGY AND ENVIRONMENT                                      | MINNESOTA             | 622,097               |
| EERE              | EE0010922           | Base        | UNIVERSITY OF TENNESSEE  | TENNESSEE             | 1,050,000             |
| EERE              | EE0010921           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                                    | CALIFORNIA            | 471,968               |
| EERE              | EE0010919           | Base        | AIR-CONDITIONING, HEATING AND REFRIGERATION TECHNOLOGY INSTITUTE, INC. | VIRGINIA              | 950,000               |
| EERE              | EE0010918           | Base        | EATON CORPORATION  | WISCONSIN             | 884,100               |
| EERE              | EE0010916           | Base        | GEORGIA TECH RESEARCH CORPORATION                                      | GEORGIA               | 1,978,047             |
| EERE              | EE0010915           | Base        | COPELAND LP  | OHIO                  | 767,141               |
| EERE              | EE0010914           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY                          | NEW MEXICO            | 849,911               |
| EERE              | EE0010913           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES                               | COLORADO              | 1,499,356             |
| EERE              | EE0010912           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES                               | COLORADO              | 1,298,644             |
| EERE              | EE0010911           | Base        | STATE OF MARYLAND  | MARYLAND              | 1,259,642             |
| EERE              | EE0010910           | Base        | HIGHLAND PARK TECHNOLOGIES, LLC  | MASSACHUSETTS         | 983,173               |
| EERE              | EE0010909           | Base        | NORTH CAROLINA STATE UNIVERSITY  | NORTH CAROLINA        | 1,092,595             |
| EERE              | EE0010908           | Base        | D & R INTERNATIONAL LTD  | VIRGINIA              | 1,976,147             |
| EERE              | EE0010907           | Base        | SOUTHERN COMPANY SERVICES INC  | ALABAMA               | 1,499,999             |
| EERE              | EE0010906           | Base        | OTS R&D, INC.  | MARYLAND              | 964,573               |
| EERE              | EE0010905           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                                    | WISCONSIN             | 1,498,978             |
| EERE              | EE0010903           | Base        | LIATRIS INC.   | MARYLAND              | 808,887               |
| EERE              | EE0010902           | Base        | JOHNS HOPKINS UNIVERSITY   | MARYLAND              | 900,000               |
| EERE              | EE0010898           | Base        | UNIVERSITY OF CALIFORNIA, IRVINE                                       | CALIFORNIA            | 1,600,000             |
| EERE              | EE0010897           | Base        | Collaborative Composite Solutions Corporation                          | TENNESSEE             | 2,600,000             |
| EERE              | EE0010885           | Base        | UNIVERSITY OF VIRGINIA   | VIRGINIA              | 500,000               |
| EERE              | EE0010881           | Base        | WILLIAM MARSH RICE UNIVERSITY  | TEXAS                 | 500,000               |
| EERE              | EE0010880           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                                     | PENNSYLVANIA          | 500,000               |
| EERE              | EE0010879           | Base        | NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY                          | NEW MEXICO            | 500,000               |
| EERE              | EE0010878           | Base        | UNIVERSITY OF TEXAS AT AUSTIN  | TEXAS                 | 500,000               |
| EERE              | EE0010877           | Base        | University of Illinois   | ILLINOIS              | 500,000               |
| EERE              | EE0010876           | Base        | KALBACHER ASSOCIATES LLC   | VIRGINIA              | 5,000,000             |
| EERE              | EE0010875           | Base        | EXSORBTION INC.  | TEXAS                 | 1,800,000             |
| EERE              | EE0010874           | Base        | GE Vernova Operations LLC  | NEW YORK              | 5,115,949             |
| EERE              | EE0010868           | Base        | SIEMENS ENERGY INC   | FLORIDA               | 2,999,852             |
| EERE              | EE0010867           | Base        | STATE OF MARYLAND  | MARYLAND              | 1,963,745             |
| EERE              | EE0010866           | Base        | T2M GLOBAL, LLC  | CONNECTICUT           | 1,596,951             |
| EERE              | EE0010864           | Base        | Purdue University  | INDIANA               | 2,545,743             |
| EERE              | EE0010862           | Base        | Western Michigan University  | MICHIGAN              | 1,772,000             |
| EERE              | EE0010860           | Base        | NORTH CAROLINA STATE UNIVERSITY  | NORTH CAROLINA        | 2,105,000             |
| EERE              | EE0010859           | Base        | GEORGIA TECH RESEARCH CORPORATION                                      | GEORGIA               | 2,200,954             |
| EERE              | EE0010858           | Base        | SIEMENS ENERGY INC   | FLORIDA               | 4,793,256             |
| EERE              | EE0010857           | Base        | MICRO NANO TECHNOLOGIES LLC  | FLORIDA               | 1,904,019             |
| EERE              | EE0010856           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                             | KENTUCKY              | 1,936,624             |
| EERE              | EE0010853           | Base        | SKYNANO LLC  | TENNESSEE             | 3,450,000             |
| EERE              | EE0010851           | Base        | SRI INTERNATIONAL  | CALIFORNIA            | 5,494,319             |
| EERE              | EE0010850           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION                               | TEXAS                 | 2,825,000             |
| EERE              | EE0010849           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                          | WEST VIRGINIA         | 2,166,000             |
| EERE              | EE0010848           | Base        | TRUSTEES OF TUFTS COLLEGE INC  | MASSACHUSETTS         | 1,000,000             |

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| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                                     | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| EERE              | EE0010847           | Base        | INSTITUTE OF GAS TECHNOLOGY                                  | ILLINOIS              | 3,051,786             |
| EERE              | EE0010846           | Base        | CASE WESTERN RESERVE UNIVERSITY                              | OHIO                  | 850,000               |
| EERE              | EE0010845           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                           | PENNSYLVANIA          | 1,335,018             |
| EERE              | EE0010844           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                       | MINNESOTA             | 2,940,609             |
| EERE              | EE0010843           | Base        | Purdue University  | INDIANA               | 8,861,243             |
| EERE              | EE0010842           | Base        | CARNEGIE MELLON UNIVERSITY                                   | PENNSYLVANIA          | 3,109,435             |
| EERE              | EE0010841           | Base        | UNIVERSITY OF VIRGINIA                                       | VIRGINIA              | 1,245,281             |
| EERE              | EE0010839           | Base        | WILLIAM MARSH RICE UNIVERSITY                                | TEXAS                 | 2,165,607             |
| EERE              | EE0010837           | Base        | GEORGIA TECH RESEARCH CORPORATION                            | GEORGIA               | 2,287,690             |
| EERE              | EE0010835           | Base        | REDOXBLOX, INC.  | CALIFORNIA            | 6,700,000             |
| EERE              | EE0010834           | Base        | VIA SEPARATIONS, INC.  | MASSACHUSETTS         | 2,167,208             |
| EERE              | EE0010831           | IJJA        | ADAPTIVE CONSTRUCTION SOLUTIONS INC                          | TEXAS                 | 1,125,000             |
| EERE              | EE0010830           | IJJA        | WORKSYSTEMS, INC.  | OREGON                | 1,000,000             |
| EERE              | EE0010828           | IJJA        | CEC STUYVESANT COVE INC                                      | NEW YORK              | 749,876               |
| EERE              | EE0010826           | Base        | EMERALD CITIES COLLABORATIVE INC                             | DISTRICT OF COLUMBIA  | 702,301               |
| EERE              | EE0010824           | IJJA        | SOLAR LANDSCAPE LLC  | NEW JERSEY            | 849,967               |
| EERE              | EE0010749           | Base        | GENERAL MOTORS LLC   | MICHIGAN              | 2,983,173             |
| EERE              | EE0010747           | Base        | OCO, INC.  | WASHINGTON            | 2,031,989             |
| EERE              | EE0010744           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                               | MISSOURI              | 1,295,844             |
| EERE              | EE0010743           | Base        | UNIVERSITY OF GEORGIA RESEACH FOUNDATION INC                 | GEORGIA               | 999,611               |
| EERE              | EE0010742           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY              | IOWA                  | 1,299,931             |
| EERE              | EE0010741           | Base        | INDRIO TECHNOLOGIES INC                                      | CALIFORNIA            | 1,097,958             |
| EERE              | EE0010740           | Base        | UNIVERSITY OF TOLEDO, THE                                    | OHIO                  | 1,000,000             |
| EERE              | EE0010738           | Base        | WILLIAM MARSH RICE UNIVERSITY                                | TEXAS                 | 1,000,000             |
| EERE              | EE0010737           | Base        | UNIVERSITY OF HAWAII SYSTEMS                                 | HAWAII                | 1,000,000             |
| EERE              | EE0010736           | Base        | CALIFORNIA INSTITUTE OF TECHNOLOGY                           | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010734           | Base        | YALE UNIVERSITY  | CONNECTICUT           | 1,000,000             |
| EERE              | EE0010733           | Base        | THE WASHINGTON UNIVERSITY                                    | MISSOURI              | 998,860               |
| EERE              | EE0010732           | Base        | ARIZONA STATE UNIVERSITY                                     | ARIZONA               | 1,000,000             |
| EERE              | EE0010731           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                   | COLORADO              | 1,000,000             |
| EERE              | EE0010730           | Base        | Regents of The University of Michigan                        | MICHIGAN              | 1,000,000             |
| EERE              | EE0010729           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                   | COLORADO              | 1,000,000             |
| EERE              | EE0010728           | Base        | NRECA Research   | VIRGINIA              | 846,451               |
| EERE              | EE0010727           | Base        | UPPER SALINAS/LAS TABLAS RESOURCE CONSERVATION DISTRICT      | CALIFORNIA            | 949,332               |
| EERE              | EE0010725           | Base        | ARIZONA STATE UNIVERSITY                                     | ARIZONA               | 69,242,000            |
| EERE              | EE0010723           | Base        | PLANTED SOLAR, INC.  | CALIFORNIA            | 1,598,696             |
| EERE              | EE0010672           | Base        | PROJECT INNERSPACE INC.                                      | MASSACHUSETTS         | 7,841,508             |
| EERE              | EE0010670           | Base        | UNIVERSITY OF OKLAHOMA                                       | OKLAHOMA              | 7,739,423             |
| EERE              | EE0010669           | Base        | INSTITUTE OF GAS TECHNOLOGY                                  | ILLINOIS              | 581,883               |
| EERE              | EE0010668           | Base        | SEWARD, CITY OF  | ALASKA                | 192,150               |
| EERE              | EE0010667           | Base        | ENERGY & ENVIRONMENTAL PROTECTION, CONNECTICUT DEPARTMENT OF | CONNECTICUT           | 717,771               |
| EERE              | EE0010666           | Base        | CITY OF DULUTH   | MINNESOTA             | 619,159               |
| EERE              | EE0010665           | Base        | ANN ARBOR, CITY OF   | MICHIGAN              | 11,341,417            |
| EERE              | EE0010664           | Base        | Electric Power Research Institute, Inc.                      | CALIFORNIA            | 738,318               |
| EERE              | EE0010663           | Base        | CLEAN ENERGY ECONOMY FOR THE REGION                          | COLORADO              | 516,258               |
| EERE              | EE0010662           | Base        | HOME ENERGY EFFICIENCY TEAM INC                              | MASSACHUSETTS         | 9,263,592             |
| EERE              | EE0010661           | Base        | BIG, NFP   | ILLINOIS              | 747,506               |
| EERE              | EE0010660           | Base        | KAWERAK INC  | ALASKA                | 397,351               |
| EERE              | EE0010659           | Base        | Collaborative Composite Solutions Corporation                | TENNESSEE             | 22,750,000            |
| EERE              | EE0010650           | Base        | INSTITUTE OF GAS TECHNOLOGY                                  | ILLINOIS              | 1,250,000             |

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|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| EERE              | EE0010649           | Base        | Rocky Mountain Institute                     | COLORADO              | 1,233,642             |
| EERE              | EE0010648           | Base        | CUMMINS INC                                  | INDIANA               | 1,250,000             |
| EERE              | EE0010647           | Base        | NATIONAL GRID USA SERVICE COMPANY            | MASSACHUSETTS         | 1,222,000             |
| EERE              | EE0010646           | Base        | LOS ANGELES CLEANTECH INCUBATOR              | CALIFORNIA            | 687,844               |
| EERE              | EE0010645           | Base        | CALSTART INC                                 | CALIFORNIA            | 1,250,000             |
| EERE              | EE0010644           | Base        | UTAH STATE UNIVERSITY                        | UTAH                  | 1,107,593             |
| EERE              | EE0010641           | Base        | GEORGE WASHINGTON UNIVERSITY, THE            | VIRGINIA              | 386,838               |
| EERE              | EE0010640           | Base        | CARNEGIE MELLON UNIVERSITY                   | PENNSYLVANIA          | 400,000               |
| EERE              | EE0010639           | Base        | AK LONGLINE FISHERMANS ASSOCIATION           | ALASKA                | 631,158               |
| EERE              | EE0010637           | Base        | SAN FRANCISCO CITY & COUNTY                  | CALIFORNIA            | 605,620               |
| EERE              | EE0010636           | Base        | AQUA SUPERPOWER (USA), INC.                  | CALIFORNIA            | 500,950               |
| EERE              | EE0010635           | Base        | ARLINGTON, CITY OF (INC)                     | TEXAS                 | 780,182               |
| EERE              | EE0010634           | Base        | Interstate Renewable Energy Council          | NEW YORK              | 755,208               |
| EERE              | EE0010633           | Base        | NEW BUILDINGS INSTITUTE, INC.                | OREGON                | 999,961               |
| EERE              | EE0010632           | Base        | Electric Power Research Institute, Inc.      | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010631           | Base        | JAMES MADISON UNIVERSITY                     | VIRGINIA              | 602,483               |
| EERE              | EE0010630           | Base        | EAST TENNESSEE CLEAN FUELS COALITION         | TENNESSEE             | 1,669,342             |
| EERE              | EE0010629           | Base        | LOUISIANA CLEAN FUELS                        | LOUISIANA             | 1,250,000             |
| EERE              | EE0010627           | Base        | KERN COMMUNITY COLLEGE DISTRICT              | CALIFORNIA            | 847,404               |
| EERE              | EE0010626           | Base        | MARIN CLEAN ENERGY                           | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010625           | Base        | ALASKA ENERGY AUTHORITY                      | ALASKA                | 1,669,983             |
| EERE              | EE0010620           | Base        | SOUTHERN ALLIANCE FOR CLEAN ENERGY           | TENNESSEE             | 1,400,000             |
| EERE              | EE0010612           | Base        | DRIVE OREGON                                 | OREGON                | 2,000,000             |
| EERE              | EE0010611           | Base        | ELECTROTEMPO, INC.                           | VIRGINIA              | 2,000,000             |
| EERE              | EE0010605           | Base        | CUMMINS INC                                  | INDIANA               | 5,000,000             |
| EERE              | EE0010604           | Base        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)      | MICHIGAN              | 2,540,848             |
| EERE              | EE0010603           | Base        | ACELLENT TECHNOLOGIES, INC                   | CALIFORNIA            | 3,737,047             |
| EERE              | EE0010602           | Base        | UNIVERSITY OF VIRGINIA                       | VIRGINIA              | 2,500,000             |
| EERE              | EE0010600           | Base        | GENERAL MOTORS LLC                           | MICHIGAN              | 3,750,000             |
| EERE              | EE0010597           | Base        | UNIVERSITY OF TENNESSEE                      | TENNESSEE             | 5,000,000             |
| EERE              | EE0010586           | Base        | South Florida Regional Planning Council      | FLORIDA               | 232,000               |
| EERE              | EE0010585           | Base        | UNIVERSITY OF SOUTH FLORIDA                  | FLORIDA               | 220,000               |
| EERE              | EE0010584           | Base        | NJ CLEAN CITIES COALITION                    | NEW JERSEY            | 220,000               |
| EERE              | EE0010583           | Base        | CLEAN FUELS OHIO                             | OHIO                  | 220,000               |
| EERE              | EE0010582           | Base        | NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS   | TEXAS                 | 220,000               |
| EERE              | EE0010581           | Base        | CAPITAL DISTRICT TRANSPORTATION COMMITTEE    | NEW YORK              | 220,000               |
| EERE              | EE0010580           | Base        | LIVE GREEN CONNECTICUT! INC                  | CONNECTICUT           | 226,000               |
| EERE              | EE0010579           | Base        | CAPITAL CLEAN CITIES OF CONNECTICUT INC      | CONNECTICUT           | 220,000               |
| EERE              | EE0010578           | Base        | GREATER NEW HAVEN CLEAN CITIES COALITION INC | CONNECTICUT           | 220,000               |
| EERE              | EE0010577           | Base        | DRIVE CLEAN INDIANA, INC.                    | INDIANA               | 220,000               |
| EERE              | EE0010576           | Base        | METROPOLITAN ENERGY CENTER INC               | MISSOURI              | 220,000               |
| EERE              | EE0010575           | Base        | DRIVE CLEAN COLORADO                         | COLORADO              | 232,000               |
| EERE              | EE0010573           | Base        | SUNLINE TRANSIT AGENCY                       | CALIFORNIA            | 110,000               |
| EERE              | EE0010509           | IIJA        | AMERICAN RIVERS, INC                         | DISTRICT OF COLUMBIA  | 3,676,825             |
| EERE              | EE0010501           | IIJA        | ELECTRONINKS INCORPORATED                    | TEXAS                 | 390,000               |
| EERE              | EE0010500           | IIJA        | LOCUSVIEW SOLUTIONS INCORPORATED             | ILLINOIS              | 744,627               |
| EERE              | EE0010498           | IIJA        | UNIVERSITY OF CALIFORNIA, SAN DIEGO          | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010496           | IIJA        | UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC | KANSAS                | 715,000               |
| EERE              | EE0010495           | IIJA        | SOLARCYCLE, INC.                             | ARIZONA               | 808,469               |
| EERE              | EE0010494           | IIJA        | University of Central Florida                | FLORIDA               | 1,494,910             |
| EERE              | EE0010479           | Base        | FIRST SOLAR, INC.                            | ARIZONA               | 8,008,544             |
| EERE              | EE0010477           | Base        | MAKAI OCEAN ENGINEERING INC                  | HAWAII                | 449,770               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0010473           | Base        | MISSION SUN CORP.                                 | NEW YORK              | 1,226,552             |
| EERE              | EE0010472           | Base        | VITRO FLAT GLASS LLC                              | PENNSYLVANIA          | 1,600,000             |
| EERE              | EE0010468           | Base        | MARQUIS R&D ENERGY LLC                            | ILLINOIS              | 8,547,047             |
| EERE              | EE0010467           | Base        | RENEWCO2 LLC                                      | NEW JERSEY            | 499,953               |
| EERE              | EE0010466           | Base        | GREEN PLAINS INC.                                 | NEBRASKA              | 200,104               |
| EERE              | EE0010465           | Base        | LINCOLNWAY ENERGY LLC                             | IOWA                  | 378,000               |
| EERE              | EE0010464           | Base        | AVAPCO LLC  | GEORGIA               | 100,000,000           |
| EERE              | EE0010463           | Base        | ALDER ENERGY, LLC                                 | DISTRICT OF COLUMBIA  | 1,550,000             |
| EERE              | EE0010462           | Base        | MICROBIO ENGINEERING                              | CALIFORNIA            | 329,673               |
| EERE              | EE0010461           | Base        | LANZATECH, INC                                    | ILLINOIS              | 1,490,201             |
| EERE              | EE0010460           | Base        | Global Algae Innovations Inc                      | CALIFORNIA            | 3,600,000             |
| EERE              | EE0010459           | Base        | ALGENESIS CORPORATION                             | CALIFORNIA            | 4,897,974             |
| EERE              | EE0010458           | Base        | MICROBIO ENGINEERING                              | CALIFORNIA            | 2,838,188             |
| EERE              | EE0010457           | Base        | RESEARCH TRIANGLE INSTITUTE                       | NORTH CAROLINA        | 2,000,000             |
| EERE              | EE0010456           | Base        | CAPTIS AIRE LLC                                   | TENNESSEE             | 1,300,000             |
| EERE              | EE0010455           | Base        | UNIVERSITY OF CALIFORNIA, RIVERSIDE               | CALIFORNIA            | 2,000,000             |
| EERE              | EE0010453           | Base        | UNIVERSITY OF UTAH, THE                           | UTAH                  | 1,759,865             |
| EERE              | EE0010452           | Base        | VIRIDOS, INC.                                     | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010451           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY | VIRGINIA              | 400,000               |
| EERE              | EE0010447           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION        | KENTUCKY              | 1,023,311             |
| EERE              | EE0010445           | Base        | GEYSERS POWER COMPANY LLC                         | TEXAS                 | 5,759,822             |
| EERE              | EE0010444           | Base        | OXY USA INC                                       | TEXAS                 | 9,050,814             |
| EERE              | EE0010443           | Base        | SOLAR & STORAGE INDUSTRIES INSTITUTE              | DISTRICT OF COLUMBIA  | 489,843               |
| EERE              | EE0010442           | Base        | UNIVERSITY OF ALASKA ANCHORAGE                    | ALASKA                | 1,350,000             |
| EERE              | EE0010438           | Base        | UNIVERSITY OF ARIZONA                             | ARIZONA               | 1,023,125             |
| EERE              | EE0010437           | Base        | BOULDER ENVIRONMENTAL SCIENCES & TECHNOLOGY, LLC  | COLORADO              | 600,000               |
| EERE              | EE0010433           | Base        | UNIVERSITY OF CALIFORNIA, RIVERSIDE               | CALIFORNIA            | 300,000               |
| EERE              | EE0010432           | Base        | UNIVERSITY OF CALIFORNIA, RIVERSIDE               | CALIFORNIA            | 300,000               |
| EERE              | EE0010431           | Base        | UNIV OF TEXAS AT EL PASO                          | TEXAS                 | 300,000               |
| EERE              | EE0010430           | Base        | CAL STATE LA UNIVERSITY AUXILIARY SERVICES INC    | CALIFORNIA            | 300,000               |
| EERE              | EE0010429           | Base        | UNIV OF TEXAS AT EL PASO                          | TEXAS                 | 300,000               |
| EERE              | EE0010427           | Base        | FLORIDA A & M UNIVERSITY                          | FLORIDA               | 2,600,000             |
| EERE              | EE0010426           | Base        | COLORADO STATE UNIVERSITY 67868                   | COLORADO              | 1,782,468             |
| EERE              | EE0010423           | Base        | Slipstream Group, Inc.                            | WISCONSIN             | 1,427,474             |
| EERE              | EE0010420           | Base        | NAVAJO TECHNICAL COLLEGE                          | NEW MEXICO            | 911,027               |
| EERE              | EE0010419           | Base        | CITY OF DULUTH                                    | MINNESOTA             | 977,813               |
| EERE              | EE0010418           | Base        | University of Central Florida                     | FLORIDA               | 1,000,000             |
| EERE              | EE0010417           | Base        | NORTH CAROLINA STATE UNIVERSITY                   | NORTH CAROLINA        | 993,560               |
| EERE              | EE0010416           | Base        | KANSAS STATE UNIVERSITY                           | KANSAS                | 796,699               |
| EERE              | EE0010415           | Base        | GROUNDSWELL, INC.                                 | DISTRICT OF COLUMBIA  | 729,444               |
| EERE              | EE0010414           | Base        | THE VIRGINIA DEPARTMENT OF ENERGY                 | VIRGINIA              | 999,927               |
| EERE              | EE0010413           | Base        | WAYNE STATE UNIVERSITY                            | MICHIGAN              | 933,123               |
| EERE              | EE0010412           | Base        | Electric Power Research Institute, Inc.           | CALIFORNIA            | 1,000,000             |
| EERE              | EE0010409           | Base        | GEORGIA TECH RESEARCH CORPORATION                 | GEORGIA               | 2,273,995             |
| EERE              | EE0010408           | Base        | LAUNCH ALASKA                                     | ALASKA                | 2,791,134             |
| EERE              | EE0010406           | IJJA        | SMARTVILLE, INC.                                  | CALIFORNIA            | 5,999,525             |
| EERE              | EE0010405           | IJJA        | ELEMENT ENERGY, INC.                              | CALIFORNIA            | 7,888,476             |
| EERE              | EE0010404           | IJJA        | TENNESSEE TECHNOLOGICAL UNIVERSITY                | TENNESSEE             | 4,531,642             |
| EERE              | EE0010402           | IJJA        | UNIVERSITY OF ALABAMA                             | ALABAMA               | 4,000,000             |
| EERE              | EE0010401           | IJJA        | REPURPOSE ENERGY, INC.                            | CALIFORNIA            | 6,000,000             |
| EERE              | EE0010400           | IJJA        | PRINCETON NUENERGY INC.                           | NEW JERSEY            | 10,000,000            |
| EERE              | EE0010399           | IJJA        | UNIVERSITY OF CALIFORNIA, SAN DIEGO               | CALIFORNIA            | 10,000,000            |

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                        | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0010398           | IJJA        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)         | MICHIGAN              | 8,137,783             |
| EERE              | EE0010397           | IJJA        | CIRBA SOLUTIONS, LLC                            | NORTH CAROLINA        | 7,424,242             |
| EERE              | EE0010396           | IJJA        | AMERICAN BATTERY TECHNOLOGY COMPANY             | NEVADA                | 9,999,378             |
| EERE              | EE0010384           | Base        | CORNELL UNIVERSITY                              | NEW YORK              | 1,340,385             |
| EERE              | EE0010382           | Base        | UNIVERSITY OF MASSACHUSETTS                     | MASSACHUSETTS         | 1,226,983             |
| EERE              | EE0010381           | Base        | RENEWABLE ENERGY WILDLIFE INSTITUTE             | DISTRICT OF COLUMBIA  | 579,919               |
| EERE              | EE0010380           | Base        | UNIVERSITY OF ARKANSAS SYSTEM 6319              | ARKANSAS              | 1,271,376             |
| EERE              | EE0010379           | Base        | WILD EARTH SOCIETY INC                          | UTAH                  | 1,680,604             |
| EERE              | EE0010313           | Base        | UNIVERSITY OF DELAWARE                          | DELAWARE              | 2,000,000             |
| EERE              | EE0010308           | Base        | YARMOUTH, TOWN OF                               | MASSACHUSETTS         | 1,495,000             |
| EERE              | EE0010307           | Base        | GREAT LAKES WATER AUTHORITY                     | MICHIGAN              | 1,000,000             |
| EERE              | EE0010305           | Base        | GAINESVILLE, CITY OF                            | FLORIDA               | 400,000               |
| EERE              | EE0010304           | Base        | UNIVERSITY OF ALABAMA                           | ALABAMA               | 1,600,000             |
| EERE              | EE0010302           | Base        | WASHINGTON STATE UNIVERSITY                     | WASHINGTON            | 1,975,000             |
| EERE              | EE0010301           | Base        | THE WASHINGTON UNIVERSITY                       | MISSOURI              | 2,458,134             |
| EERE              | EE0010300           | Base        | OHIO STATE UNIVERSITY, THE                      | OHIO                  | 2,100,000             |
| EERE              | EE0010299           | Base        | WORCESTER POLYTECHNIC INSTITUTE                 | MASSACHUSETTS         | 1,178,551             |
| EERE              | EE0010298           | Base        | INSTITUTE OF GAS TECHNOLOGY                     | ILLINOIS              | 1,237,362             |
| EERE              | EE0010297           | Base        | NORTH CAROLINA STATE UNIVERSITY                 | NORTH CAROLINA        | 1,325,000             |
| EERE              | EE0010296           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY | IOWA                  | 1,650,000             |
| EERE              | EE0010295           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION      | KENTUCKY              | 1,766,749             |
| EERE              | EE0010294           | Base        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)         | MICHIGAN              | 1,850,000             |
| EERE              | EE0010293           | Base        | COLORADO STATE UNIVERSITY 67868                 | COLORADO              | 1,898,499             |
| EERE              | EE0010292           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES        | COLORADO              | 2,749,085             |
| EERE              | EE0010291           | Base        | THE WASHINGTON UNIVERSITY                       | MISSOURI              | 2,222,518             |
| EERE              | EE0010284           | Base        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE            | GEORGIA               | 500,000               |
| EERE              | EE0010283           | Base        | UNIVERSITY OF TENNESSEE                         | TENNESSEE             | 396,813               |
| EERE              | EE0010282           | Base        | MIDWEST ENERGY EFFICIENCY ALLIANCE              | ILLINOIS              | 499,724               |
| EERE              | EE0010253           | Base        | UNIVERSITY OF CONNECTICUT                       | CONNECTICUT           | 303,782               |
| EERE              | EE0010252           | Base        | URIEL SOLAR, INC.                               | CALIFORNIA            | 99,850                |
| EERE              | EE0010251           | Base        | UNIVERSITY OF TULSA, THE                        | OKLAHOMA              | 374,787               |
| EERE              | EE0010250           | Base        | CASE WESTERN RESERVE UNIVERSITY                 | OHIO                  | 546,898               |
| EERE              | EE0010248           | Base        | ADVANCED MATERIALS SCIENTIA LLC                 | WASHINGTON            | 223,183               |
| EERE              | EE0010246           | Base        | UNIVERSITY OF ARIZONA                           | ARIZONA               | 267,000               |
| EERE              | EE0010244           | Base        | UNIVERSITY OF VIRGINIA                          | VIRGINIA              | 261,420               |
| EERE              | EE0010243           | Base        | ARIZONA STATE UNIVERSITY                        | ARIZONA               | 398,647               |
| EERE              | EE0010242           | Base        | UNIVERSITY OF ALABAMA                           | ALABAMA               | 299,725               |
| EERE              | EE0010241           | Base        | UNIVERSITY OF HAWAII SYSTEMS                    | HAWAII                | 200,000               |
| EERE              | EE0010240           | Base        | UNIVERSITY OF MAINE SYSTEM                      | MAINE                 | 400,000               |
| EERE              | EE0010238           | Base        | UNIVERSITY OF ARIZONA                           | ARIZONA               | 300,000               |
| EERE              | EE0010228           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES            | CALIFORNIA            | 450,000               |
| EERE              | EE0010227           | Base        | LELAND STANFORD JUNIOR UNIVERSITY, THE          | CALIFORNIA            | 1,499,999             |
| EERE              | EE0010226           | Base        | UNIVERSITY OF WASHINGTON                        | WASHINGTON            | 1,055,000             |
| EERE              | EE0010223           | Base        | SRI INTERNATIONAL                               | CALIFORNIA            | 1,222,664             |
| EERE              | EE0010222           | Base        | BOEING COMPANY, THE                             | MISSOURI              | 1,226,249             |
| EERE              | EE0010221           | Base        | NORTHWESTERN UNIVERSITY                         | ILLINOIS              | 500,000               |
| EERE              | EE0010220           | Base        | UNIVERSITY OF NORTH TEXAS                       | TEXAS                 | 1,191,785             |
| EERE              | EE0010219           | Base        | RENSSELAER POLYTECHNIC INSTITUTE                | NEW YORK              | 1,219,910             |
| EERE              | EE0010217           | Base        | APPLIED MATERIALS, INC                          | CALIFORNIA            | 1,399,990             |
| EERE              | EE0010216           | Base        | General Electric Company                        | OHIO                  | 968,825               |
| EERE              | EE0010214           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION   | WEST VIRGINIA         | 1,449,876             |
| EERE              | EE0010213           | Base        | UNIVERSITY OF SOUTHERN CALIFORNIA               | CALIFORNIA            | 2,000,000             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0010212           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 1,743,598             |
| EERE              | EE0010211           | Base        | PIXELLIGENT TECHNOLOGIES LLC                                  | MARYLAND              | 1,560,000             |
| EERE              | EE0010209           | Base        | GENERAL ATOMICS   | CALIFORNIA            | 1,967,356             |
| EERE              | EE0010208           | Base        | TRILLIUM RENEWABLE CHEMICALS, INC.                            | TENNESSEE             | 2,500,000             |
| EERE              | EE0010207           | Base        | LANZATECH, INC  | ILLINOIS              | 2,500,000             |
| EERE              | EE0010206           | Base        | FORD MOTOR COMPANY  | MICHIGAN              | 1,493,748             |
| EERE              | EE0010205           | Base        | UNIVERSITY OF DELAWARE  | DELAWARE              | 2,999,997             |
| EERE              | EE0010202           | Base        | POLYSPECTRA INC   | CALIFORNIA            | 2,750,000             |
| EERE              | EE0010201           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION                      | TEXAS                 | 2,206,284             |
| EERE              | EE0010200           | Base        | University of Texas at Dallas                                 | TEXAS                 | 1,532,877             |
| EERE              | EE0010199           | Base        | Purdue University   | INDIANA               | 1,894,252             |
| EERE              | EE0010191           | Base        | STATE OF MARYLAND   | MARYLAND              | 399,998               |
| EERE              | EE0010188           | Base        | LITTORAL POWER SYSTEMS INC                                    | MASSACHUSETTS         | 390,387               |
| EERE              | EE0010187           | Base        | GE Vernova Operations LLC                                     | NEW YORK              | 3,000,000             |
| EERE              | EE0010186           | Base        | OREGON STATE UNIVERSITY                                       | OREGON                | 1,930,909             |
| EERE              | EE0009964           | Base        | GEO THERMIX, LLC  | TEXAS                 | 2,591,795             |
| EERE              | EE0009963           | Base        | ICE THERMAL HARVESTING, LLC                                   | TEXAS                 | 1,822,234             |
| EERE              | EE0009962           | Base        | UNIVERSITY OF OKLAHOMA  | OKLAHOMA              | 2,444,609             |
| EERE              | EE0009961           | Base        | TRANSITIONAL ENERGY LLC                                       | COLORADO              | 2,019,500             |
| EERE              | EE0009960           | Base        | INTEGRAL CONSULTING INC                                       | COLORADO              | 404,074               |
| EERE              | EE0009959           | Base        | UNIVERSITY OF WASHINGTON                                      | WASHINGTON            | 1,348,666             |
| EERE              | EE0009958           | Base        | PORTLAND STATE UNIVERSITY                                     | OREGON                | 4,507,330             |
| EERE              | EE0009956           | Base        | DEHLSSEN ASSOCIATES LLC                                       | CALIFORNIA            | 1,800,000             |
| EERE              | EE0009954           | Base        | OSCILLA POWER, INC.   | WASHINGTON            | 1,800,000             |
| EERE              | EE0009953           | Base        | COLUMBIA POWER TECHNOLOGIES INC                               | VIRGINIA              | 4,182,275             |
| EERE              | EE0009952           | Base        | CALWAVE POWER TECHNOLOGIES INC                                | CALIFORNIA            | 7,500,000             |
| EERE              | EE0009948           | Base        | BRASKEM AMERICA, INC.   | PENNSYLVANIA          | 1,970,926             |
| EERE              | EE0009947           | Base        | MICHIGAN STATE UNIVERSITY                                     | MICHIGAN              | 1,355,811             |
| EERE              | EE0009946           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                 | WEST VIRGINIA         | 1,500,000             |
| EERE              | EE0009944           | Base        | UNIVERSITY OF MASSACHUSETTS                                   | MASSACHUSETTS         | 1,150,276             |
| EERE              | EE0009943           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY               | IOWA                  | 1,960,131             |
| EERE              | EE0009883           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 504,912               |
| EERE              | EE0009881           | Base        | ASRC CONSULTING & ENVIRONMENTAL SERVICES, LLC                 | ALASKA                | 1,064,076             |
| EERE              | EE0009879           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 2,373,453             |
| EERE              | EE0009878           | Base        | WM INTERNATIONAL ENGINEERING L.L.C.                           | ILLINOIS              | 1,994,690             |
| EERE              | EE0009877           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                        | MINNESOTA             | 1,645,430             |
| EERE              | EE0009876           | Base        | CUMMINS INC   | INDIANA               | 4,000,000             |
| EERE              | EE0009875           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                        | MINNESOTA             | 2,365,364             |
| EERE              | EE0009874           | Base        | Deere & Company   | ILLINOIS              | 2,756,732             |
| EERE              | EE0009873           | Base        | EATON CORPORATION   | MICHIGAN              | 2,377,904             |
| EERE              | EE0009872           | Base        | MARQUETTE UNIVERSITY  | WISCONSIN             | 2,500,000             |
| EERE              | EE0009871           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 3,858,644             |
| EERE              | EE0009870           | Base        | EATON CORPORATION   | WISCONSIN             | 4,906,074             |
| EERE              | EE0009869           | Base        | BORGWARNER INC.   | MICHIGAN              | 4,093,880             |
| EERE              | EE0009868           | Base        | DRIVE OREGON  | OREGON                | 4,000,000             |
| EERE              | EE0009867           | Base        | CALSTART INC  | CALIFORNIA            | 3,999,994             |
| EERE              | EE0009866           | Base        | COLUMBIA-WILLAMETTE CLEAN CITIES COALITION, INC.              | OREGON                | 3,970,539             |
| EERE              | EE0009865           | Base        | Native Sun Community Power Development                        | MINNESOTA             | 6,666,667             |
| EERE              | EE0009864           | Base        | DRIVE OREGON  | OREGON                | 5,020,217             |
| EERE              | EE0009863           | Base        | METROPOLITAN ENERGY CENTER INC                                | MISSOURI              | 5,222,326             |
| EERE              | EE0009862           | Base        | TENNESSEE TECHNOLOGICAL UNIVERSITY                            | TENNESSEE             | 4,012,930             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009839           | Base        | UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE             | NORTH CAROLINA        | 276,322               |
| EERE              | EE0009833           | Base        | UNIVERSITY OF ALABAMA                                 | ALABAMA               | 150,000               |
| EERE              | EE0009829           | Base        | NEW YORK UNIVERSITY (INC)                             | NEW YORK              | 300,000               |
| EERE              | EE0009828           | Base        | SOLARFLEXES LLC                                       | CALIFORNIA            | 2,094,651             |
| EERE              | EE0009827           | Base        | KWH ANALYTICS, INC                                    | OREGON                | 1,666,693             |
| EERE              | EE0009826           | Base        | Electric Power Research Institute, Inc.               | CALIFORNIA            | 1,500,743             |
| EERE              | EE0009825           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                   | CALIFORNIA            | 275,000               |
| EERE              | EE0009824           | Base        | UNIVERSITY OF DAYTON                                  | OHIO                  | 389,347               |
| EERE              | EE0009823           | Base        | SOUTHWEST RESEARCH INSTITUTE                          | TEXAS                 | 400,000               |
| EERE              | EE0009822           | Base        | BOARD OF REGENTS OF NEVADA SYSTEM OF HIGHER EDUCATION | NEVADA                | 330,000               |
| EERE              | EE0009820           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                   | WISCONSIN             | 247,999               |
| EERE              | EE0009816           | Base        | SPORIAN MICROSYSTEMS INC                              | COLORADO              | 662,506               |
| EERE              | EE0009815           | Base        | SOUTHWEST RESEARCH INSTITUTE                          | TEXAS                 | 2,400,000             |
| EERE              | EE0009814           | Base        | ECHOGEN POWER SYSTEMS, LLC                            | OHIO                  | 1,199,313             |
| EERE              | EE0009813           | Base        | SOUTHWEST RESEARCH INSTITUTE                          | TEXAS                 | 484,312               |
| EERE              | EE0009812           | Base        | BRAYTON ENERGY  | NEW HAMPSHIRE         | 1,946,126             |
| EERE              | EE0009811           | Base        | Electric Power Research Institute, Inc.               | CALIFORNIA            | 1,903,238             |
| EERE              | EE0009810           | Base        | SOLAR DYNAMICS LLC                                    | COLORADO              | 445,860               |
| EERE              | EE0009809           | Base        | SOLAR DYNAMICS LLC                                    | COLORADO              | 800,000               |
| EERE              | EE0009808           | Base        | SRI INTERNATIONAL                                     | CALIFORNIA            | 2,173,441             |
| EERE              | EE0009807           | Base        | IDOM, INC.  | MINNESOTA             | 339,308               |
| EERE              | EE0009805           | Base        | Regents of The University of Michigan                 | MICHIGAN              | 2,466,279             |
| EERE              | EE0009803           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                   | WISCONSIN             | 1,599,998             |
| EERE              | EE0009801           | Base        | WOODS HOLE OCEANOGRAPHIC INSTITUTION                  | MASSACHUSETTS         | 750,000               |
| EERE              | EE0009795           | Base        | QUINO ENERGY, INC.                                    | CALIFORNIA            | 4,587,430             |
| EERE              | EE0009794           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE            | COLORADO              | 4,149,097             |
| EERE              | EE0009793           | Base        | TREADSTONE TECHNOLOGIES INC                           | NEW JERSEY            | 4,544,504             |
| EERE              | EE0009791           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                    | PENNSYLVANIA          | 1,134,425             |
| EERE              | EE0009790           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                        | MISSOURI              | 2,417,093             |
| EERE              | EE0009789           | Base        | MONTANA STATE UNIVERSITY SYSTEM                       | MONTANA               | 1,335,398             |
| EERE              | EE0009788           | Base        | OKLAHOMA STATE UNIV                                   | OKLAHOMA              | 1,139,843             |
| EERE              | EE0009787           | Base        | UNIVERSITY OF NEW MEXICO 7515                         | NEW MEXICO            | 1,765,548             |
| EERE              | EE0009786           | Base        | CORNELL UNIVERSITY                                    | NEW YORK              | 2,595,520             |
| EERE              | EE0009776           | Base        | OHIO STATE UNIVERSITY, THE                            | OHIO                  | 4,201,362             |
| EERE              | EE0009773           | Base        | CLINTON P2G, LLC                                      | COLORADO              | 4,079,142             |
| EERE              | EE0009772           | Base        | UNIVERSITY OF VIRGINIA                                | VIRGINIA              | 1,350,000             |
| EERE              | EE0009771           | Base        | THE WASHINGTON UNIVERSITY                             | MISSOURI              | 2,000,004             |
| EERE              | EE0009770           | Base        | UNIVERSITY OF ALABAMA                                 | ALABAMA               | 1,642,815             |
| EERE              | EE0009768           | Base        | AMERICAN INSTITUTE OF CHEMICAL ENGINEERS              | NEW YORK              | 1,725,657             |
| EERE              | EE0009767           | Base        | LIGNOLIX, INC   | DELAWARE              | 1,499,196             |
| EERE              | EE0009766           | Base        | ARCHER-DANIELS-MIDLAND COMPANY                        | ILLINOIS              | 2,466,844             |
| EERE              | EE0009765           | Base        | QUASAR ENERGY GROUP, LLC                              | OHIO                  | 2,100,000             |
| EERE              | EE0009764           | Base        | AVAPCO LLC  | GEORGIA               | 2,800,000             |
| EERE              | EE0009762           | Base        | SKYNRG AMERICAS, INC                                  | OREGON                | 853,000               |
| EERE              | EE0009761           | Base        | TRASH 2 CASH -ENERGY LLC                              | FLORIDA               | 458,619               |
| EERE              | EE0009760           | Base        | SAFFIRE RENEWABLES, LLC                               | NORTH DAKOTA          | 14,329,988            |
| EERE              | EE0009759           | Base        | LANZATECH, INC  | ILLINOIS              | 3,894,307             |
| EERE              | EE0009758           | Base        | Global Algae Innovations Inc                          | CALIFORNIA            | 4,000,000             |
| EERE              | EE0009756           | Base        | TEXAS A&M AGRILIFE RESEARCH                           | TEXAS                 | 3,351,696             |
| EERE              | EE0009755           | Base        | INSTITUTE OF GAS TECHNOLOGY                           | ILLINOIS              | 3,614,898             |
| EERE              | EE0009754           | Base        | INSTITUTE OF GAS TECHNOLOGY                           | ILLINOIS              | 3,994,252             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009753           | Base        | ALDER ENERGY, LLC   | DISTRICT OF COLUMBIA  | 2,378,400             |
| EERE              | EE0009752           | Base        | MICROBIO ENGINEERING  | CALIFORNIA            | 3,499,596             |
| EERE              | EE0009751           | Base        | ARCHITECTURAL SOLAR ASSOCIATION   | COLORADO              | 450,000               |
| EERE              | EE0009749           | Base        | NEW JERSEY INSTITUTE OF TECHNOLOGY                                      | NEW JERSEY            | 577,589               |
| EERE              | EE0009748           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                                      | PENNSYLVANIA          | 647,383               |
| EERE              | EE0009747           | Base        | NEW BUILDINGS INSTITUTE, INC.   | OREGON                | 500,000               |
| EERE              | EE0009746           | Base        | WASHINGTON STATE UNIVERSITY   | WASHINGTON            | 749,080               |
| EERE              | EE0009745           | Base        | ASSOCIATION OF ENERGY SERVICES PROFESSIONALS INC                        | FLORIDA               | 724,991               |
| EERE              | EE0009744           | Base        | MOMENTUM INNOVATION GROUP, LLC  | NEW JERSEY            | 699,984               |
| EERE              | EE0009743           | Base        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE                                    | GEORGIA               | 500,000               |
| EERE              | EE0009742           | Base        | NORTHEASTERN UNIVERSITY   | MASSACHUSETTS         | 750,000               |
| EERE              | EE0009741           | Base        | ICAST (INTERNATIONAL CENTER FOR APPROPRIATE AND SUSTAINABLE TECHNOLOGY) | COLORADO              | 700,000               |
| EERE              | EE0009740           | Base        | NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS, INC                           | MASSACHUSETTS         | 500,000               |
| EERE              | EE0009739           | Base        | NEW MEXICO, STATE OF  | NEW MEXICO            | 750,000               |
| EERE              | EE0009738           | Base        | Frontier Energy Inc.  | GEORGIA               | 627,391               |
| EERE              | EE0009737           | Base        | THE LEVY PARTNERSHIP INC  | NEW YORK              | 1,620,000             |
| EERE              | EE0009704           | Base        | ALPEN HIGH PERFORMANCE PRODUCTS, INC.                                   | COLORADO              | 1,500,000             |
| EERE              | EE0009703           | Base        | Slipstream Group, Inc.  | WISCONSIN             | 749,110               |
| EERE              | EE0009702           | Base        | INVENTWOOD LLC  | MARYLAND              | 1,389,552             |
| EERE              | EE0009701           | Base        | TYNT TECHNOLOGIES, INC.   | COLORADO              | 1,500,000             |
| EERE              | EE0009699           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                              | COLORADO              | 792,000               |
| EERE              | EE0009697           | Base        | PROJECT-HAYSTACK  | VIRGINIA              | 1,749,870             |
| EERE              | EE0009696           | Base        | FRAUNHOFER USA, INC.  | MASSACHUSETTS         | 2,358,457             |
| EERE              | EE0009694           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                                      | PENNSYLVANIA          | 1,332,082             |
| EERE              | EE0009693           | Base        | PALO ALTO RESEARCH CENTER LLC   | CALIFORNIA            | 504,207               |
| EERE              | EE0009691           | Base        | UNIVERSITY OF CALIFORNIA, SANTA BARBARA                                 | CALIFORNIA            | 2,326,784             |
| EERE              | EE0009690           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                                      | PENNSYLVANIA          | 361,231               |
| EERE              | EE0009689           | Base        | THOMAS JEFFERSON UNIVERSITY   | PENNSYLVANIA          | 1,346,199             |
| EERE              | EE0009688           | Base        | Regents of The University of Michigan                                   | MICHIGAN              | 2,249,996             |
| EERE              | EE0009687           | Base        | Electric Power Research Institute, Inc.                                 | CALIFORNIA            | 1,199,921             |
| EERE              | EE0009686           | Base        | ULTRASONIC TECHNOLOGY SOLUTIONS LLC                                     | TENNESSEE             | 1,000,000             |
| EERE              | EE0009685           | Base        | STATE OF MARYLAND   | MARYLAND              | 1,199,999             |
| EERE              | EE0009684           | Base        | COPELAND LP   | OHIO                  | 597,343               |
| EERE              | EE0009683           | Base        | BARYON INC  | DELAWARE              | 2,099,033             |
| EERE              | EE0009682           | Base        | PALO ALTO RESEARCH CENTER LLC   | CALIFORNIA            | 2,399,962             |
| EERE              | EE0009681           | Base        | STATE OF MARYLAND   | MARYLAND              | 2,366,986             |
| EERE              | EE0009679           | Base        | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                                   | MASSACHUSETTS         | 2,623,595             |
| EERE              | EE0009678           | Base        | NORTH DAKOTA STATE UNIVERSITY   | NORTH DAKOTA          | 1,306,747             |
| EERE              | EE0009677           | Base        | STATE OF MARYLAND   | MARYLAND              | 1,014,942             |
| EERE              | EE0009676           | Base        | UNIVERSITY OF TOLEDO, THE   | OHIO                  | 2,750,000             |
| EERE              | EE0009675           | Base        | Global Algae Innovations Inc  | CALIFORNIA            | 3,200,000             |
| EERE              | EE0009674           | Base        | ARIZONA STATE UNIVERSITY  | ARIZONA               | 2,300,000             |
| EERE              | EE0009673           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                                     | CALIFORNIA            | 2,761,304             |
| EERE              | EE0009672           | Base        | COLORADO STATE UNIVERSITY 67868   | COLORADO              | 2,774,990             |
| EERE              | EE0009670           | Base        | AMP ROBOTICS CORPORATION  | COLORADO              | 2,137,912             |
| EERE              | EE0009669           | Base        | NORTH CAROLINA STATE UNIVERSITY   | NORTH CAROLINA        | 1,639,819             |
| EERE              | EE0009668           | Base        | LEHIGH UNIVERSITY   | PENNSYLVANIA          | 2,510,431             |
| EERE              | EE0009667           | Base        | STATE OF MARYLAND   | MARYLAND              | 2,761,838             |
| EERE              | EE0009666           | Base        | CASCADIA CONSULTING GROUP, INC.   | WASHINGTON            | 3,125,000             |
| EERE              | EE0009665           | Base        | ELECTROTEMPO, INC.  | VIRGINIA              | 324,000               |
| EERE              | EE0009664           | Base        | COLORADO STATE UNIVERSITY 67868   | COLORADO              | 292,541               |

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                                      | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009662           | Base        | XTELLIGENT, INC.  | CALIFORNIA            | 3,589,506             |
| EERE              | EE0009661           | Base        | UNIVERSITY OF CALIFORNIA,IRVINE                               | CALIFORNIA            | 3,000,000             |
| EERE              | EE0009659           | Base        | LOS ANGELES CLEANTECH INCUBATOR                               | CALIFORNIA            | 3,798,455             |
| EERE              | EE0009658           | Base        | UNIVERSITY OF SOUTH FLORIDA                                   | FLORIDA               | 3,500,000             |
| EERE              | EE0009657           | Base        | Western Michigan University                                   | MICHIGAN              | 1,999,994             |
| EERE              | EE0009656           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 5,750,000             |
| EERE              | EE0009655           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 2,604,870             |
| EERE              | EE0009654           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                 | WEST VIRGINIA         | 2,500,000             |
| EERE              | EE0009653           | Base        | BORGWARNER INC.   | MICHIGAN              | 4,997,064             |
| EERE              | EE0009651           | Base        | University of Illinois  | ILLINOIS              | 1,196,844             |
| EERE              | EE0009648           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                           | CALIFORNIA            | 1,250,000             |
| EERE              | EE0009647           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                            | PENNSYLVANIA          | 1,666,667             |
| EERE              | EE0009646           | Base        | GINER, INC  | MASSACHUSETTS         | 2,500,000             |
| EERE              | EE0009645           | Base        | NAVITAS ADVANCED SOLUTIONS GROUP LLC                          | MICHIGAN              | 1,671,604             |
| EERE              | EE0009644           | Base        | GENERAL MOTORS LLC  | MICHIGAN              | 2,500,000             |
| EERE              | EE0009643           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 2,285,813             |
| EERE              | EE0009642           | Base        | MEXICHEM FLUOR INC.   | LOUISIANA             | 2,499,842             |
| EERE              | EE0009641           | Base        | RELOAD FLOATING ENERGY, LLC                                   | FLORIDA               | 1,233,626             |
| EERE              | EE0009638           | Base        | BERT THIN FILMS, INC  | KENTUCKY              | 1,000,000             |
| EERE              | EE0009637           | Base        | IMAGEN ENERGY LLC   | WISCONSIN             | 1,422,988             |
| EERE              | EE0009635           | Base        | SILFAB SOLAR WA INC   | WASHINGTON            | 719,941               |
| EERE              | EE0009633           | Base        | GE Vernova Operations LLC                                     | NEW YORK              | 1,291,762             |
| EERE              | EE0009632           | Base        | UNIVERSITY OF PITTSBURGH THE                                  | PENNSYLVANIA          | 2,322,019             |
| EERE              | EE0009631           | Base        | GRIDBRIGHT, INC.  | CALIFORNIA            | 2,690,059             |
| EERE              | EE0009630           | Base        | STRATEGIC ANALYSIS, INC                                       | VIRGINIA              | 1,167,750             |
| EERE              | EE0009629           | Base        | STRATEGIC ANALYSIS, INC                                       | VIRGINIA              | 1,299,924             |
| EERE              | EE0009628           | Base        | STRATEGIC ANALYSIS, INC                                       | VIRGINIA              | 1,259,960             |
| EERE              | EE0009625           | Base        | INSTITUTE OF GAS TECHNOLOGY                                   | ILLINOIS              | 1,897,984             |
| EERE              | EE0009624           | Base        | SOUTHERN COMPANY SERVICES INC                                 | ALABAMA               | 997,897               |
| EERE              | EE0009623           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                            | PENNSYLVANIA          | 700,000               |
| EERE              | EE0009621           | Base        | NEXTECH MATERIALS LTD   | OHIO                  | 2,958,257             |
| EERE              | EE0009620           | Base        | CATERPILLAR INC   | ILLINOIS              | 2,000,000             |
| EERE              | EE0009619           | Base        | MAHLE POWERTRAIN, LLC   | MICHIGAN              | 1,485,018             |
| EERE              | EE0009618           | Base        | EATON CORPORATION   | MICHIGAN              | 1,750,000             |
| EERE              | EE0009617           | Base        | R&D DYNAMICS CORP   | CONNECTICUT           | 1,600,000             |
| EERE              | EE0009615           | Base        | NEOGRAF SOLUTIONS, LLC  | OHIO                  | 1,643,157             |
| EERE              | EE0009614           | Base        | PLUG POWER INC.   | NEW YORK              | 1,337,659             |
| EERE              | EE0009613           | Base        | TREADSTONE TECHNOLOGIES INC                                   | NEW JERSEY            | 1,115,162             |
| EERE              | EE0009612           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                             | CONNECTICUT           | 752,404               |
| EERE              | EE0009601           | Base        | NATIONAL FIRE PROTECTION ASSOCIATION, INC                     | MASSACHUSETTS         | 1,039,244             |
| EERE              | EE0009597           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION                 | WEST VIRGINIA         | 8,856,174             |
| EERE              | EE0009595           | Base        | UNIVERSITY OF VERMONT & STATE AGRICULTURAL COLLEGE            | VERMONT               | 376,000               |
| EERE              | EE0009594           | Base        | RHODE ISLAND AND PROVIDENCE PLANTATIONS, STATE OF             | RHODE ISLAND          | 330,000               |
| EERE              | EE0009593           | Base        | MASSACHUSETTS DEPARTMENT OF ENERGY RESOURCES                  | MASSACHUSETTS         | 255,000               |
| EERE              | EE0009592           | Base        | GREATER PORTLAND COUNCIL OF GOVERNMENTS                       | MAINE                 | 417,500               |
| EERE              | EE0009590           | Base        | INDIAN NATIONS COUNCIL OF GOV                                 | OKLAHOMA              | 382,500               |
| EERE              | EE0009589           | Base        | REGIONAL PLANNING COMMISSION                                  | LOUISIANA             | 290,000               |
| EERE              | EE0009588           | Base        | LOUISIANA CLEAN FUELS   | LOUISIANA             | 427,500               |
| EERE              | EE0009587           | Base        | ASSOCIATION OF CENTRAL OKLAHOMA GOVERNMENTS                   | OKLAHOMA              | 417,500               |
| EERE              | EE0009586           | Base        | ENVIRONMENTAL QUALITY, ARKANSAS DEPARTMENT OF                 | ARKANSAS              | 220,000               |
| EERE              | EE0009585           | Base        | WISCONSIN CLEAN CITIES-SOUTHEAST- AREA INC                    | WISCONSIN             | 422,500               |

**RETAIN/MODIFY**

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|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| EERE              | EE0009584           | Base        | GREATER LANSING AREA CLEAN CITIES                    | MICHIGAN              | 417,500               |
| EERE              | EE0009583           | Base        | CHICAGO AREA CLEAN CITIES INC                        | ILLINOIS              | 400,000               |
| EERE              | EE0009582           | Base        | EXECUTIVE OFFICE OF THE STATE OF NEW HAMPSHIRE       | NEW HAMPSHIRE         | 295,000               |
| EERE              | EE0009581           | Base        | GREATER LONG ISLAND CLEAN CITIES COALITION           | NEW YORK              | 382,500               |
| EERE              | EE0009580           | Base        | NEW YORK CITY LOWER HUDSON VALLEY CLEAN COMMUNITIES  | NEW YORK              | 417,500               |
| EERE              | EE0009579           | Base        | CLEAN COMMUNITIES OF WESTERN NEW YORK, INC           | NEW YORK              | 417,500               |
| EERE              | EE0009578           | Base        | GENESEE REGION CLEAN COMMUNITIES, INC                | NEW YORK              | 417,500               |
| EERE              | EE0009577           | Base        | ZEV TECHNOLOGIES, INC                                | NEW YORK              | 417,500               |
| EERE              | EE0009576           | Base        | CENTRAL PINES REGIONAL COUNCIL                       | NORTH CAROLINA        | 417,500               |
| EERE              | EE0009575           | Base        | SOUTH CAROLINA, STATE OF                             | SOUTH CAROLINA        | 400,000               |
| EERE              | EE0009574           | Base        | LAND-OF-SKY REGIONAL COUNCIL                         | NORTH CAROLINA        | 417,500               |
| EERE              | EE0009573           | Base        | PARTNERSHIP FOR CLEAN TRANSPORTATION INC             | GEORGIA               | 417,500               |
| EERE              | EE0009572           | Base        | CENTRALINA COUNCIL OF GOVERNMENTS                    | NORTH CAROLINA        | 417,500               |
| EERE              | EE0009571           | Base        | VALLEY OF THE SUN CLEAN CITIES COALITION             | ARIZONA               | 412,000               |
| EERE              | EE0009570           | Base        | LAND OF ENCHANTMENT CLEAN CITIES COALITION           | NEW MEXICO            | 345,000               |
| EERE              | EE0009569           | Base        | LONE STAR CLEAN FUELS ALLIANCE                       | TEXAS                 | 400,000               |
| EERE              | EE0009568           | Base        | HOUSTON GALVESTON AREA COUNCIL                       | TEXAS                 | 365,000               |
| EERE              | EE0009567           | Base        | TREASURE VALLEY CLEAN CITIES COALITION               | IDAHO                 | 240,000               |
| EERE              | EE0009565           | Base        | ALAMO AREA COUNCIL GOVERNMENTS                       | TEXAS                 | 365,000               |
| EERE              | EE0009564           | Base        | BREATHE CALIFORNIA OF THE BAY AREA                   | CALIFORNIA            | 400,000               |
| EERE              | EE0009563           | Base        | COLUMBIA-WILLAMETTE CLEAN CITIES COALITION, INC.     | OREGON                | 417,500               |
| EERE              | EE0009562           | Base        | COLUMBIA-WILLAMETTE CLEAN CITIES COALITION, INC.     | OREGON                | 417,500               |
| EERE              | EE0009561           | Base        | YELLOWSTONE-TETON CLEAN ENERGY COALITION             | WYOMING               | 427,500               |
| EERE              | EE0009560           | Base        | GREATER SACRAMENTO REGIONAL CLEAN AIR COALITION, INC | CALIFORNIA            | 427,500               |
| EERE              | EE0009559           | Base        | IOWA DEPT OF ECONOMIC DEVELOPEMENT                   | IOWA                  | 352,500               |
| EERE              | EE0009558           | Base        | ST. LOUIS REGIONAL CLEAN CITIES                      | MISSOURI              | 419,000               |
| EERE              | EE0009557           | Base        | American Lung Association                            | ILLINOIS              | 417,500               |
| EERE              | EE0009556           | Base        | CITY OF LOS ANGELES                                  | CALIFORNIA            | 185,000               |
| EERE              | EE0009555           | Base        | WRCOG  | CALIFORNIA            | 412,000               |
| EERE              | EE0009554           | Base        | American Lung Association                            | ILLINOIS              | 358,000               |
| EERE              | EE0009553           | Base        | SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS       | CALIFORNIA            | 417,500               |
| EERE              | EE0009552           | Base        | UTAH CLEAN CITIES                                    | UTAH                  | 417,500               |
| EERE              | EE0009551           | Base        | PROJECT CLEAN AIR, INC.                              | CALIFORNIA            | 400,000               |
| EERE              | EE0009550           | Base        | SAN FRANCISCO CITY & COUNTY                          | CALIFORNIA            | 400,000               |
| EERE              | EE0009548           | Base        | CENTER FOR SUSTAINABLE ENERGY                        | CALIFORNIA            | 400,000               |
| EERE              | EE0009547           | Base        | CERRITOS COMMUNITY COLLEGE DISTRICT                  | CALIFORNIA            | 400,000               |
| EERE              | EE0009546           | Base        | CENTRAL COAST CLEAN CITIES COALITION                 | CALIFORNIA            | 417,500               |
| EERE              | EE0009545           | Base        | VIRGINIA CLEAN CITIES                                | VIRGINIA              | 428,500               |
| EERE              | EE0009544           | Base        | MARSHALL UNIVERSITY RESEARCH CORPORATION             | WEST VIRGINIA         | 312,500               |
| EERE              | EE0009543           | Base        | EAST BAY CLEAN CITIES COALITION                      | CALIFORNIA            | 400,000               |
| EERE              | EE0009542           | Base        | STATE OF DELAWARE                                    | DELAWARE              | 150,000               |
| EERE              | EE0009541           | Base        | NORTH FLORIDA TRANSPORTATION PLANNING ORGANIZATION   | FLORIDA               | 365,000               |
| EERE              | EE0009540           | Base        | MIDDLE TENNESSEE CLEAN FUELS INC                     | TENNESSEE             | 382,500               |
| EERE              | EE0009539           | Base        | EAST TENNESSEE CLEAN FUELS COALITION                 | TENNESSEE             | 417,500               |
| EERE              | EE0009538           | Base        | FLORIDA SPACE COAST CLEAN CITIES COALITION INC.      | FLORIDA               | 255,000               |
| EERE              | EE0009537           | Base        | ALABAMA CLEAN FUELS COALITION, INC                   | ALABAMA               | 417,500               |
| EERE              | EE0009536           | Base        | KENTUCKY CLEAN FUELS COALITION, INC.                 | KENTUCKY              | 197,500               |
| EERE              | EE0009535           | Base        | GREAT WASHINGTON REGION CLEAN CITIES COALITION       | DISTRICT OF COLUMBIA  | 423,500               |
| EERE              | EE0009534           | Base        | GREATER PHILADELPHIA CLEAN CITIES, INC               | PENNSYLVANIA          | 417,500               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009533           | Base        | PITTSBURGH REGION CLEAN CITIES INC                            | PENNSYLVANIA          | 382,500               |
| EERE              | EE0009532           | Base        | STATE OF MARYLAND   | MARYLAND              | 255,000               |
| EERE              | EE0009529           | Base        | CUBICPV INC.  | MASSACHUSETTS         | 2,499,603             |
| EERE              | EE0009527           | Base        | TANDEM PV, INC.   | CALIFORNIA            | 2,000,441             |
| EERE              | EE0009526           | Base        | FAS HOLDINGS GROUP, LLC                                       | TEXAS                 | 2,250,000             |
| EERE              | EE0009525           | Base        | WICHITA STATE UNIVERSITY                                      | KANSAS                | 483,890               |
| EERE              | EE0009524           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 800,000               |
| EERE              | EE0009523           | Base        | UNIVERSITY OF ARIZONA   | ARIZONA               | 700,000               |
| EERE              | EE0009521           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                           | CALIFORNIA            | 799,966               |
| EERE              | EE0009520           | Base        | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL                   | NORTH CAROLINA        | 874,964               |
| EERE              | EE0009519           | Base        | Purdue University   | INDIANA               | 1,780,000             |
| EERE              | EE0009518           | Base        | University of Texas at Dallas                                 | TEXAS                 | 813,345               |
| EERE              | EE0009516           | Base        | LELAND STANFORD JUNIOR UNIVERSITY, THE                        | CALIFORNIA            | 1,449,895             |
| EERE              | EE0009515           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                    | COLORADO              | 1,075,000             |
| EERE              | EE0009511           | Base        | BROWN UNIVERSITY IN PROVIDENCE IN STATE OF RI                 | RHODE ISLAND          | 1,125,000             |
| EERE              | EE0009509           | Base        | CAROLLO ENGINEERS, INC.                                       | CALIFORNIA            | 1,924,736             |
| EERE              | EE0009508           | Base        | WATER RESEARCH FOUNDATION                                     | COLORADO              | 1,074,918             |
| EERE              | EE0009507           | Base        | WORCESTER POLYTECHNIC INSTITUTE                               | MASSACHUSETTS         | 1,500,000             |
| EERE              | EE0009505           | Base        | UNIVERSITY OF CHICAGO, THE                                    | ILLINOIS              | 2,000,000             |
| EERE              | EE0009504           | Base        | KANSAS STATE UNIVERSITY                                       | KANSAS                | 1,499,917             |
| EERE              | EE0009503           | Base        | CLARKSON UNIVERSITY   | NEW YORK              | 1,087,661             |
| EERE              | EE0009502           | Base        | OHIO UNIVERSITY   | OHIO                  | 1,969,951             |
| EERE              | EE0009501           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                        | MINNESOTA             | 1,614,296             |
| EERE              | EE0009500           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,350,000             |
| EERE              | EE0009499           | Base        | LELAND STANFORD JUNIOR UNIVERSITY, THE                        | CALIFORNIA            | 1,000,000             |
| EERE              | EE0009498           | Base        | Regents of The University of Michigan                         | MICHIGAN              | 1,598,053             |
| EERE              | EE0009497           | Base        | UNIVERSITY OF CONNECTICUT                                     | CONNECTICUT           | 2,000,000             |
| EERE              | EE0009496           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 1,443,540             |
| EERE              | EE0009495           | Base        | KENNEDY/JENKS CONSULTANTS, INC.                               | CALIFORNIA            | 1,997,596             |
| EERE              | EE0009494           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES                          | CALIFORNIA            | 1,999,841             |
| EERE              | EE0009467           | Base        | SUMNER,COUNTY OF  | KANSAS                | 999,835               |
| EERE              | EE0009466           | Base        | SOUTH EL MONTE, CITY OF                                       | CALIFORNIA            | 747,494               |
| EERE              | EE0009465           | Base        | DANE, COUNTY OF   | WISCONSIN             | 981,998               |
| EERE              | EE0009464           | Base        | RHODE ISLAND AND PROVIDENCE PLANTATIONS, STATE OF             | RHODE ISLAND          | 987,560               |
| EERE              | EE0009463           | Base        | STATE OF TENNESSEE  | TENNESSEE             | 504,600               |
| EERE              | EE0009462           | Base        | CITY OF AUSTIN  | TEXAS                 | 1,000,000             |
| EERE              | EE0009460           | Base        | CUMMINS INC   | INDIANA               | 3,750,000             |
| EERE              | EE0009457           | Base        | NEW BUILDINGS INSTITUTE, INC.                                 | OREGON                | 482,031               |
| EERE              | EE0009456           | Base        | SOUTHFACE ENERGY INSTITUTE                                    | GEORGIA               | 746,022               |
| EERE              | EE0009455           | Base        | Interstate Renewable Energy Council                           | NEW YORK              | 1,795,857             |
| EERE              | EE0009454           | Base        | INTERNATIONAL ASSOCIATION OF FIREFIGHTERS                     | DISTRICT OF COLUMBIA  | 1,355,956             |
| EERE              | EE0009451           | Base        | PACIFIC OCEAN ENERGY TRUST                                    | OREGON                | 2,339,000             |
| EERE              | EE0009449           | Base        | OREGON STATE UNIVERSITY                                       | OREGON                | 1,500,000             |
| EERE              | EE0009448           | Base        | UNIVERSITY OF MAINE SYSTEM                                    | MAINE                 | 1,500,000             |
| EERE              | EE0009447           | Base        | University of Illinois  | ILLINOIS              | 1,498,211             |
| EERE              | EE0009446           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                                 | TEXAS                 | 1,500,000             |
| EERE              | EE0009445           | Base        | UNIVERSITY OF ALASKA ANCHORAGE                                | ALASKA                | 1,500,000             |
| EERE              | EE0009444           | Base        | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE                      | CALIFORNIA            | 1,370,777             |
| EERE              | EE0009443           | Base        | TRUSTEES OF TUFTS COLLEGE INC                                 | MASSACHUSETTS         | 1,349,801             |
| EERE              | EE0009441           | Base        | TECHNOLOGY HOLDING LLC  | UTAH                  | 499,673               |
| EERE              | EE0009440           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                                 | TEXAS                 | 425,000               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009439           | Base        | 525 SOLUTIONS INC                                   | ALABAMA               | 424,000               |
| EERE              | EE0009437           | Base        | UNIVERSITY OF VIRGINIA                              | VIRGINIA              | 410,000               |
| EERE              | EE0009436           | Base        | OREGON STATE UNIVERSITY                             | OREGON                | 500,000               |
| EERE              | EE0009435           | Base        | PHINIX, LLC   | MISSOURI              | 500,000               |
| EERE              | EE0009434           | Base        | CASE WESTERN RESERVE UNIVERSITY                     | OHIO                  | 378,651               |
| EERE              | EE0009432           | Base        | UNIVERSITY OF WYOMING                               | WYOMING               | 350,000               |
| EERE              | EE0009430           | Base        | AMERICAN BATTERY TECHNOLOGY COMPANY                 | NEVADA                | 2,272,112             |
| EERE              | EE0009428           | Base        | GENERAL ATOMICS                                     | CALIFORNIA            | 24,188,699            |
| EERE              | EE0009427           | Base        | UNIVERSITY OF SOUTH CAROLINA (INC)                  | SOUTH CAROLINA        | 1,400,000             |
| EERE              | EE0009423           | Base        | CLEMSON UNIVERSITY                                  | SOUTH CAROLINA        | 3,150,600             |
| EERE              | EE0009422           | Base        | CATERPILLAR INC                                     | ILLINOIS              | 4,550,000             |
| EERE              | EE0009420           | Base        | SRI INTERNATIONAL                                   | CALIFORNIA            | 1,324,269             |
| EERE              | EE0009419           | Base        | MOSAIC MATERIALS INC                                | CALIFORNIA            | 2,284,000             |
| EERE              | EE0009418           | Base        | NORTHERN ILLINOIS UNIVERSITY INC                    | ILLINOIS              | 1,275,828             |
| EERE              | EE0009417           | Base        | SOLIDIA TECHNOLOGIES, INC                           | NEW JERSEY            | 2,080,337             |
| EERE              | EE0009416           | Base        | RESOURCE CHEMICAL CORP.                             | CALIFORNIA            | 2,000,000             |
| EERE              | EE0009415           | Base        | RESEARCH TRIANGLE INSTITUTE                         | NORTH CAROLINA        | 4,500,000             |
| EERE              | EE0009413           | Base        | NORTH CAROLINA STATE UNIVERSITY                     | NORTH CAROLINA        | 1,014,054             |
| EERE              | EE0009412           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY   | VIRGINIA              | 1,631,932             |
| EERE              | EE0009411           | Base        | FORGE NANO, INC.                                    | COLORADO              | 2,561,500             |
| EERE              | EE0009410           | Base        | UNIVERSITY OF HOUSTON                               | TEXAS                 | 2,091,874             |
| EERE              | EE0009409           | Base        | E2H2NANO, LLC                                       | NEW YORK              | 1,945,854             |
| EERE              | EE0009408           | Base        | SPIRIT AEROSYSTEMS, INC.                            | KANSAS                | 1,638,894             |
| EERE              | EE0009407           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                  | PENNSYLVANIA          | 2,000,000             |
| EERE              | EE0009406           | Base        | NORTHROP GRUMMAN SYSTEMS CORPORATION                | UTAH                  | 1,680,136             |
| EERE              | EE0009405           | Base        | ROBOCASTING ENTERPRISES, LLC                        | NEW MEXICO            | 1,500,000             |
| EERE              | EE0009404           | Base        | COLORADO STATE UNIVERSITY 67868                     | COLORADO              | 1,700,000             |
| EERE              | EE0009403           | Base        | General Electric Company                            | NEW YORK              | 2,114,356             |
| EERE              | EE0009402           | Base        | Regents of The University of Michigan               | MICHIGAN              | 2,697,007             |
| EERE              | EE0009401           | Base        | UNIVERSITY OF MAINE SYSTEM                          | MAINE                 | 1,685,116             |
| EERE              | EE0009400           | Base        | UNIVERSITY OF TENNESSEE                             | TENNESSEE             | 1,238,970             |
| EERE              | EE0009399           | Base        | EDISON WELDING INSTITUTE INC                        | OHIO                  | 1,940,709             |
| EERE              | EE0009398           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                   | CONNECTICUT           | 1,649,981             |
| EERE              | EE0009397           | Base        | SPIRIT AEROSYSTEMS, INC.                            | KANSAS                | 1,045,972             |
| EERE              | EE0009396           | Base        | GEORGIA TECH RESEARCH CORPORATION                   | GEORGIA               | 2,504,673             |
| EERE              | EE0009395           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA              | MINNESOTA             | 1,714,209             |
| EERE              | EE0009394           | Base        | SAINT-GOBAIN CERAMICS & PLASTICS, INC               | MASSACHUSETTS         | 2,282,705             |
| EERE              | EE0009393           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA              | MINNESOTA             | 2,112,619             |
| EERE              | EE0009392           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                      | MISSOURI              | 5,227,988             |
| EERE              | EE0009391           | Base        | CORNELL UNIVERSITY                                  | NEW YORK              | 1,226,921             |
| EERE              | EE0009390           | Base        | Purdue University                                   | INDIANA               | 6,248,126             |
| EERE              | EE0009389           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES            | COLORADO              | 1,338,994             |
| EERE              | EE0009388           | Base        | ANTORA ENERGY, INC.                                 | CALIFORNIA            | 1,999,974             |
| EERE              | EE0009387           | Base        | SHELL INTERNATIONAL EXPLORATION AND PRODUCTION INC. | TEXAS                 | 5,389,206             |
| EERE              | EE0009386           | Base        | Electric Power Research Institute, Inc.             | CALIFORNIA            | 1,080,000             |
| EERE              | EE0009380           | Base        | MISSISSIPPI STATE UNIVERSITY                        | MISSISSIPPI           | 233,425               |
| EERE              | EE0009377           | Base        | MISSISSIPPI STATE UNIVERSITY                        | MISSISSIPPI           | 178,899               |
| EERE              | EE0009375           | Base        | BOISE STATE UNIVERSITY                              | IDAHO                 | 271,297               |
| EERE              | EE0009374           | Base        | UNIVERSITY OF MASSACHUSETTS                         | MASSACHUSETTS         | 1,819,996             |
| EERE              | EE0009372           | Base        | NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY INC, THE | MONTANA               | 1,680,481             |

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                                      | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009371           | Base        | University of Illinois  | ILLINOIS              | 1,183,865             |
| EERE              | EE0009367           | Base        | RUTGERS, THE STATE UNIVERSITY                                 | NEW JERSEY            | 232,226               |
| EERE              | EE0009366           | Base        | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                         | MASSACHUSETTS         | 299,244               |
| EERE              | EE0009363           | Base        | YALE UNIVERSITY   | CONNECTICUT           | 1,568,001             |
| EERE              | EE0009361           | Base        | Regents of The University of Michigan                         | MICHIGAN              | 1,008,389             |
| EERE              | EE0009360           | Base        | CLEAN ENERGY STATES ALLIANCE                                  | VERMONT               | 922,550               |
| EERE              | EE0009358           | Base        | CAMUS ENERGY INC  | CALIFORNIA            | 371,420               |
| EERE              | EE0009357           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 735,207               |
| EERE              | EE0009356           | Base        | NORTHEASTERN UNIVERSITY                                       | MASSACHUSETTS         | 706,535               |
| EERE              | EE0009355           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 750,000               |
| EERE              | EE0009354           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 749,996               |
| EERE              | EE0009353           | Base        | CASE WESTERN RESERVE UNIVERSITY 61499                         | OHIO                  | 710,000               |
| EERE              | EE0009352           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 584,998               |
| EERE              | EE0009351           | Base        | UNIVERSITY OF WASHINGTON                                      | WASHINGTON            | 1,500,000             |
| EERE              | EE0009350           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 1,499,501             |
| EERE              | EE0009349           | Base        | STATE OF MARYLAND   | MARYLAND              | 1,500,000             |
| EERE              | EE0009348           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 1,200,000             |
| EERE              | EE0009347           | Base        | University of Central Florida                                 | FLORIDA               | 1,999,899             |
| EERE              | EE0009346           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 1,725,000             |
| EERE              | EE0009345           | Base        | University of Central Florida                                 | FLORIDA               | 1,237,500             |
| EERE              | EE0009344           | Base        | UNIVERSITY OF DELAWARE  | DELAWARE              | 1,850,000             |
| EERE              | EE0009342           | Base        | EAGLE CREEK RENEWABLE ENERGY HOLDINGS, LLC                    | MARYLAND              | 3,302,331             |
| EERE              | EE0009341           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,729,350             |
| EERE              | EE0009340           | Base        | FLORIDA STATE UNIVERSITY, THE                                 | FLORIDA               | 2,231,065             |
| EERE              | EE0009339           | Base        | University of Central Florida                                 | FLORIDA               | 3,200,000             |
| EERE              | EE0009336           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 3,461,721             |
| EERE              | EE0009335           | Base        | SINTON CONSULTING INC   | COLORADO              | 457,432               |
| EERE              | EE0009334           | Base        | PVPALLET, INC   | IOWA                  | 500,000               |
| EERE              | EE0009332           | Base        | BRIGHTSOURCE ENERGY INC                                       | CALIFORNIA            | 472,582               |
| EERE              | EE0009331           | Base        | STOREDGEAI LLC  | WASHINGTON            | 1,845,370             |
| EERE              | EE0009330           | Base        | TOLEDO SOLAR, INC.  | OHIO                  | 524,946               |
| EERE              | EE0009329           | Base        | ELEMENT 16 TECHNOLOGIES, INC.                                 | CALIFORNIA            | 1,400,000             |
| EERE              | EE0009305           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 1,899,982             |
| EERE              | EE0009304           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                        | MINNESOTA             | 1,874,997             |
| EERE              | EE0009303           | Base        | UNIVERSITY OF DELAWARE  | DELAWARE              | 1,799,983             |
| EERE              | EE0009302           | Base        | LANZATECH, INC  | ILLINOIS              | 1,890,001             |
| EERE              | EE0009301           | Base        | CASE WESTERN RESERVE UNIVERSITY                               | OHIO                  | 2,138,539             |
| EERE              | EE0009300           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY               | IOWA                  | 1,540,000             |
| EERE              | EE0009299           | Base        | BATTELLE MEMORIAL INSTIT 2500                                 | OHIO                  | 1,299,778             |
| EERE              | EE0009298           | Base        | INTERNATIONAL BUSINESS MACHINES CORPORATION                   | CALIFORNIA            | 542,248               |
| EERE              | EE0009297           | Base        | UNIVERSITY OF AKRON   | OHIO                  | 1,365,250             |
| EERE              | EE0009296           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                           | CALIFORNIA            | 2,088,114             |
| EERE              | EE0009294           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY               | IOWA                  | 2,165,000             |
| EERE              | EE0009290           | Base        | FUELCELL ENERGY, INC.   | CONNECTICUT           | 8,000,000             |
| EERE              | EE0009288           | Base        | TWELVE BENEFIT CORPORATION                                    | CALIFORNIA            | 1,321,888             |
| EERE              | EE0009287           | Base        | UNIVERSITY OF DELAWARE  | DELAWARE              | 1,845,686             |
| EERE              | EE0009285           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 9,400,000             |
| EERE              | EE0009284           | Base        | Regents of The University of Michigan                         | MICHIGAN              | 3,407,000             |
| EERE              | EE0009283           | Base        | OHIO STATE UNIVERSITY, THE                                    | OHIO                  | 2,200,000             |
| EERE              | EE0009282           | Base        | NTRE TECH LLC   | OHIO                  | 2,431,050             |
| EERE              | EE0009281           | Base        | UNIVERSITY OF FLORIDA   | FLORIDA               | 2,192,526             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009280           | Base        | MISSISSIPPI STATE UNIVERSITY                          | MISSISSIPPI           | 2,035,602             |
| EERE              | EE0009279           | Base        | BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA        | NEBRASKA              | 1,077,092             |
| EERE              | EE0009278           | Base        | DUKE UNIVERSITY 10201                                 | NORTH CAROLINA        | 1,967,473             |
| EERE              | EE0009276           | Base        | MICROBIO ENGINEERING                                  | CALIFORNIA            | 1,749,881             |
| EERE              | EE0009275           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                   | CALIFORNIA            | 1,450,000             |
| EERE              | EE0009274           | Base        | ARIZONA STATE UNIVERSITY                              | ARIZONA               | 2,048,989             |
| EERE              | EE0009273           | Base        | MONTANA STATE UNIVERSITY SYSTEM                       | MONTANA               | 2,000,000             |
| EERE              | EE0009271           | Base        | UTAH STATE UNIVERSITY                                 | UTAH                  | 1,477,735             |
| EERE              | EE0009270           | Base        | University of Illinois                                | ILLINOIS              | 2,000,000             |
| EERE              | EE0009269           | Base        | TRUSTEES OF PRINCETON UNIVERSITY, THE                 | NEW JERSEY            | 1,809,732             |
| EERE              | EE0009268           | Base        | STATE OF MARYLAND                                     | MARYLAND              | 1,370,263             |
| EERE              | EE0009267           | Base        | UNIVERSITY OF CINCINNATI                              | OHIO                  | 1,540,550             |
| EERE              | EE0009266           | Base        | UHV TECHNOLOGIES, INC                                 | INDIANA               | 2,040,000             |
| EERE              | EE0009265           | Base        | INSTITUTE OF GAS TECHNOLOGY                           | ILLINOIS              | 2,191,000             |
| EERE              | EE0009264           | Base        | AMP ROBOTICS CORPORATION                              | COLORADO              | 1,436,922             |
| EERE              | EE0009263           | Base        | GEORGIA TECH RESEARCH CORPORATION                     | GEORGIA               | 1,601,359             |
| EERE              | EE0009262           | Base        | RESEARCH TRIANGLE INSTITUTE                           | NORTH CAROLINA        | 3,690,002             |
| EERE              | EE0009261           | Base        | OREGON STATE UNIVERSITY                               | OREGON                | 2,050,000             |
| EERE              | EE0009260           | Base        | NORTH CAROLINA STATE UNIVERSITY                       | NORTH CAROLINA        | 2,802,473             |
| EERE              | EE0009257           | Base        | UNIVERSITY OF NORTH DAKOTA                            | NORTH DAKOTA          | 3,085,000             |
| EERE              | EE0009256           | Base        | UNIVERSITY OF ALABAMA                                 | ALABAMA               | 2,153,043             |
| EERE              | EE0009255           | Base        | CORNELL UNIVERSITY                                    | NEW YORK              | 7,829,614             |
| EERE              | EE0009254           | Base        | BOARD OF REGENTS OF NEVADA SYSTEM OF HIGHER EDUCATION | NEVADA                | 12,435,503            |
| EERE              | EE0009253           | Base        | Electric Power Research Institute, Inc.               | CALIFORNIA            | 2,686,000             |
| EERE              | EE0009252           | Base        | CATERPILLAR INC                                       | ILLINOIS              | 5,554,667             |
| EERE              | EE0009251           | Base        | HORNBLOWER ENERGY, LLC                                | CALIFORNIA            | 1,130,868             |
| EERE              | EE0009250           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                        | MISSOURI              | 3,619,426             |
| EERE              | EE0009249           | Base        | UNIVERSITY OF CALIFORNIA,IRVINE                       | CALIFORNIA            | 4,043,993             |
| EERE              | EE0009248           | Base        | PLUG POWER INC.                                       | NEW YORK              | 2,687,181             |
| EERE              | EE0009247           | Base        | CUMMINS INC   | INDIANA               | 2,700,000             |
| EERE              | EE0009246           | Base        | UNIVERSITY OF TENNESSEE                               | TENNESSEE             | 751,000               |
| EERE              | EE0009245           | Base        | LUBRIZOL CORPORATION, THE                             | OHIO                  | 737,306               |
| EERE              | EE0009244           | Base        | 3M COMPANY  | MINNESOTA             | 436,903               |
| EERE              | EE0009243           | Base        | NIKOLA CORPORATION                                    | ARIZONA               | 998,376               |
| EERE              | EE0009241           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION            | KENTUCKY              | 4,410,786             |
| EERE              | EE0009240           | Base        | HEXAGON R&D LLC                                       | NEBRASKA              | 5,273,528             |
| EERE              | EE0009238           | Base        | Proton Energy Systems Inc                             | CONNECTICUT           | 3,175,000             |
| EERE              | EE0009237           | Base        | 3M COMPANY  | MINNESOTA             | 4,143,532             |
| EERE              | EE0009236           | Base        | PLUG POWER INC.                                       | NEW YORK              | 3,467,664             |
| EERE              | EE0009231           | Base        | NATIONAL FIRE PROTECTION ASSOCIATION, INC             | MASSACHUSETTS         | 546,669               |
| EERE              | EE0009230           | Base        | TRANSPORTATION ENERGY PARTNERSHIP                     | MARYLAND              | 1,078,581             |
| EERE              | EE0009227           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION         | WEST VIRGINIA         | 692,993               |
| EERE              | EE0009226           | Base        | American Lung Association                             | ILLINOIS              | 6,653,985             |
| EERE              | EE0009225           | Base        | THE VIRGINIA DEPARTMENT OF ENERGY                     | VIRGINIA              | 5,388,154             |
| EERE              | EE0009224           | Base        | PACIFICORP  | OREGON                | 6,040,647             |
| EERE              | EE0009223           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                         | TEXAS                 | 1,000,000             |
| EERE              | EE0009222           | Base        | SHELBY COUNTY GOVERNMENT                              | TENNESSEE             | 500,000               |
| EERE              | EE0009220           | Base        | CLEAN FUELS OHIO                                      | OHIO                  | 670,000               |
| EERE              | EE0009219           | Base        | ANCHORAGE, MUNICIPALITY OF                            | ALASKA                | 689,659               |
| EERE              | EE0009218           | Base        | DRIVE OREGON  | OREGON                | 495,868               |
| EERE              | EE0009217           | Base        | American Lung Association                             | ILLINOIS              | 997,274               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009215           | Base        | INSTITUTE OF GAS TECHNOLOGY                           | ILLINOIS              | 2,599,733             |
| EERE              | EE0009214           | Base        | CUMMINS ELECTRIFIED POWER NA INC .                    | CALIFORNIA            | 1,797,984             |
| EERE              | EE0009208           | Base        | UNIVERSITY OF TENNESSEE                               | TENNESSEE             | 1,574,989             |
| EERE              | EE0009207           | Base        | PACCAR, Inc.  | WASHINGTON            | 1,500,000             |
| EERE              | EE0009205           | Base        | CLEMSON UNIVERSITY                                    | SOUTH CAROLINA        | 1,700,000             |
| EERE              | EE0009204           | Base        | GENERAL MOTORS LLC                                    | MICHIGAN              | 7,500,000             |
| EERE              | EE0009203           | Base        | FORD MOTOR COMPANY                                    | MICHIGAN              | 5,157,264             |
| EERE              | EE0009202           | Base        | ACHATES POWER, INC.                                   | CALIFORNIA            | 4,986,203             |
| EERE              | EE0009196           | Base        | GENERAL MOTORS LLC                                    | MICHIGAN              | 1,483,014             |
| EERE              | EE0009195           | Base        | WASHINGTON STATE UNIVERSITY                           | WASHINGTON            | 1,720,000             |
| EERE              | EE0009194           | Base        | ABB INC   | NORTH CAROLINA        | 4,333,028             |
| EERE              | EE0009193           | Base        | EXELON BUSINESS SERVICES COMPANY, LLC                 | MARYLAND              | 3,283,905             |
| EERE              | EE0009192           | Base        | LIBERAS INC   | MARYLAND              | 3,712,949             |
| EERE              | EE0009191           | Base        | AMERICAN AXLE & MANUFACTURING, INC.                   | MICHIGAN              | 5,000,000             |
| EERE              | EE0009190           | Base        | MARQUETTE UNIVERSITY                                  | WISCONSIN             | 4,611,815             |
| EERE              | EE0009188           | Base        | ENOVIX CORP   | CALIFORNIA            | 2,800,000             |
| EERE              | EE0009187           | Base        | GROUP14 TECHNOLOGIES INC                              | WASHINGTON            | 3,761,695             |
| EERE              | EE0009186           | Base        | SILA NANOTECHNOLOGIES INC                             | CALIFORNIA            | 3,417,665             |
| EERE              | EE0009185           | Base        | UNIVERSITY OF DELAWARE                                | DELAWARE              | 925,000               |
| EERE              | EE0009182           | Base        | PATUA ACQUISITION COMPANY, LLC                        | UTAH                  | 1,963,779             |
| EERE              | EE0009180           | Base        | ORMAT NEVADA, INC.                                    | NEVADA                | 5,252,659             |
| EERE              | EE0009177           | Base        | UNIVERSITY OF TENNESSEE                               | TENNESSEE             | 20,000,000            |
| EERE              | EE0009167           | Base        | RENSSELAER POLYTECHNIC INSTITUTE                      | NEW YORK              | 2,824,969             |
| EERE              | EE0009166           | Base        | OLEDWORKS LLC   | NEW YORK              | 1,439,999             |
| EERE              | EE0009163           | Base        | LUMILEDS LLC  | CALIFORNIA            | 4,254,927             |
| EERE              | EE0009162           | Base        | UNIVERSITY OF FLORIDA                                 | FLORIDA               | 1,695,167             |
| EERE              | EE0009161           | Base        | AUBURN UNIVERSITY                                     | ALABAMA               | 1,457,470             |
| EERE              | EE0009157           | Base        | UNIVERSITY OF VIRGINIA                                | VIRGINIA              | 1,746,580             |
| EERE              | EE0009156           | Base        | UNIVERSITY OF MASSACHUSETTS                           | MASSACHUSETTS         | 1,386,711             |
| EERE              | EE0009155           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION              | TEXAS                 | 1,502,653             |
| EERE              | EE0009154           | Base        | NORTHEASTERN UNIVERSITY                               | MASSACHUSETTS         | 1,752,064             |
| EERE              | EE0009152           | Base        | University of Central Florida                         | FLORIDA               | 2,194,813             |
| EERE              | EE0009150           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION              | TEXAS                 | 2,657,093             |
| EERE              | EE0009143           | Base        | PARAGON ROBOTICS, L.L.C.                              | OHIO                  | 1,004,090             |
| EERE              | EE0009140           | Base        | GEORGE WASHINGTON UNIVERSITY, THE                     | VIRGINIA              | 499,964               |
| EERE              | EE0009139           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE            | COLORADO              | 2,382,878             |
| EERE              | EE0009138           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                   | WISCONSIN             | 3,080,272             |
| EERE              | EE0009134           | Base        | UNIVERSITY OF TENNESSEE                               | TENNESSEE             | 3,506,545             |
| EERE              | EE0009133           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY     | VIRGINIA              | 3,999,155             |
| EERE              | EE0009131           | Base        | UNIVERSITY OF FLORIDA                                 | FLORIDA               | 6,737,107             |
| EERE              | EE0009129           | Base        | MOLECULE WORKS INCORPORATED                           | WASHINGTON            | 3,488,114             |
| EERE              | EE0009128           | Base        | SRI INTERNATIONAL                                     | CALIFORNIA            | 2,999,817             |
| EERE              | EE0009127           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                     | CONNECTICUT           | 444,937               |
| EERE              | EE0009126           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY       | IOWA                  | 499,528               |
| EERE              | EE0009125           | Base        | WORCESTER POLYTECHNIC INSTITUTE                       | MASSACHUSETTS         | 3,219,860             |
| EERE              | EE0009122           | Base        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)               | MICHIGAN              | 500,000               |
| EERE              | EE0009119           | Base        | MISSOURI SYSTEM, UNIVERSITY OF                        | MISSOURI              | 1,607,684             |
| EERE              | EE0009118           | Base        | EDISON WELDING INSTITUTE INC                          | OHIO                  | 3,783,158             |
| EERE              | EE0009117           | Base        | EXONE OPERATING, LLC                                  | PENNSYLVANIA          | 2,409,993             |
| EERE              | EE0009116           | Base        | BOARD OF REGENTS OF NEVADA SYSTEM OF HIGHER EDUCATION | NEVADA                | 491,670               |
| EERE              | EE0009115           | Base        | TOUCHSTONE RESEARCH LABORATORY LTD (INC)              | WEST VIRGINIA         | 3,324,129             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009113           | Base        | FORGE NANO, INC.  | COLORADO              | 3,526,584             |
| EERE              | EE0009111           | Base        | Western Michigan University                                   | MICHIGAN              | 8,596,965             |
| EERE              | EE0009110           | Base        | VIRGINIA COMMONWEALTH UNIVERSITY                              | VIRGINIA              | 1,600,000             |
| EERE              | EE0009109           | Base        | NAVITAS ADVANCED SOLUTIONS GROUP LLC                          | MICHIGAN              | 4,034,440             |
| EERE              | EE0009107           | Base        | SYLVATEX, INC.  | CALIFORNIA            | 1,567,477             |
| EERE              | EE0009106           | Base        | ARKEMA INC  | PENNSYLVANIA          | 3,937,888             |
| EERE              | EE0009104           | Base        | AEROJET ROCKETDYNE INC  | CALIFORNIA            | 3,154,280             |
| EERE              | EE0009103           | Base        | UNIVERSITY OF NOTRE DAME DU LAC                               | INDIANA               | 1,840,000             |
| EERE              | EE0009101           | Base        | LOUISIANA STATE UNIVERSITY SYSTEM                             | LOUISIANA             | 497,770               |
| EERE              | EE0009100           | Base        | UNIVERSITY OF VIRGINIA  | VIRGINIA              | 500,000               |
| EERE              | EE0009096           | Base        | MASSACHUSETTS INSTITUTE OF TECHNOLOGY                         | MASSACHUSETTS         | 2,588,021             |
| EERE              | EE0009095           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 498,159               |
| EERE              | EE0009094           | Base        | ALBEMARLE CORPORATION   | NORTH CAROLINA        | 1,392,660             |
| EERE              | EE0009093           | Base        | APPLIED MATERIALS, INC  | CALIFORNIA            | 9,359,000             |
| EERE              | EE0009091           | Base        | NEWPORT PARTNERS, THE LLC                                     | MARYLAND              | 491,134               |
| EERE              | EE0009087           | Base        | RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK (INC)  | NEW YORK              | 485,429               |
| EERE              | EE0009086           | Base        | LANE COMMUNITY COLLEGE  | OREGON                | 477,395               |
| EERE              | EE0009084           | Base        | NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS, INC                 | MASSACHUSETTS         | 358,245               |
| EERE              | EE0009083           | Base        | Slipstream Group, Inc.  | WISCONSIN             | 499,159               |
| EERE              | EE0009078           | Base        | Institute For Market Transformation, Inc., The                | DISTRICT OF COLUMBIA  | 500,000               |
| EERE              | EE0009076           | Base        | NEWPORT PARTNERS, THE LLC                                     | MARYLAND              | 422,957               |
| EERE              | EE0009075           | Base        | NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS, INC                 | MASSACHUSETTS         | 493,989               |
| EERE              | EE0009074           | Base        | Rocky Mountain Institute                                      | COLORADO              | 5,500,000             |
| EERE              | EE0009072           | Base        | VERMONT ENERGY INVESTMENT CORP                                | VERMONT               | 779,963               |
| EERE              | EE0009070           | Base        | UNIVERSITY OF NOTRE DAME DU LAC                               | INDIANA               | 250,000               |
| EERE              | EE0009068           | Base        | SIMPLE HOMES LLC  | COLORADO              | 1,000,000             |
| EERE              | EE0009066           | Base        | FRAUNHOFER USA, INC.  | MASSACHUSETTS         | 5,438,343             |
| EERE              | EE0009063           | Base        | HOME INNOVATION RESEARCH LABS, INC                            | MARYLAND              | 4,229,443             |
| EERE              | EE0009060           | Base        | SYRACUSE UNIVERSITY   | NEW YORK              | 5,500,000             |
| EERE              | EE0009046           | Base        | UNIVERSITY OF TEXAS AT SAN ANTONIO                            | TEXAS                 | 49,850,000            |
| EERE              | EE0009033           | Base        | RE/SPEC INC   | SOUTH DAKOTA          | 1,047,129             |
| EERE              | EE0009032           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 2,514,834             |
| EERE              | EE0009031           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION                      | TEXAS                 | 3,848,862             |
| EERE              | EE0009028           | Base        | University of Central Florida                                 | FLORIDA               | 1,997,105             |
| EERE              | EE0009027           | Base        | SAN DIEGO GAS & ELECTRIC COMPANY                              | CALIFORNIA            | 3,294,665             |
| EERE              | EE0009025           | Base        | UNIVERSITY OF TEXAS AT AUSTIN                                 | TEXAS                 | 3,887,363             |
| EERE              | EE0009024           | Base        | General Electric Company                                      | NEW YORK              | 3,077,917             |
| EERE              | EE0009023           | Base        | EATON CORPORATION   | WISCONSIN             | 2,174,642             |
| EERE              | EE0009022           | Base        | NV ENERGY, INC  | NEVADA                | 2,999,782             |
| EERE              | EE0009021           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 2,987,499             |
| EERE              | EE0009020           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 2,590,981             |
| EERE              | EE0009019           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 3,206,767             |
| EERE              | EE0009017           | Base        | BLUEDOT PHOTONICS, INC.                                       | WASHINGTON            | 358,842               |
| EERE              | EE0009014           | Base        | SPAN.IO, INC  | CALIFORNIA            | 999,750               |
| EERE              | EE0009013           | Base        | OSAZDA ENERGY LLC   | NEW MEXICO            | 900,000               |
| EERE              | EE0009010           | Base        | NRECA Research  | VIRGINIA              | 765,420               |
| EERE              | EE0009009           | Base        | UNIVERSITY SYSTEM OF NEW HAMPSHIRE                            | NEW HAMPSHIRE         | 1,289,987             |
| EERE              | EE0009008           | Base        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS                | VIRGINIA              | 999,944               |
| EERE              | EE0009006           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 1,451,803             |
| EERE              | EE0009005           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES                          | CALIFORNIA            | 1,533,443             |

**RETAIN/MODIFY**

| <b>DOE Office</b> | <b>Award Number</b> | <b>Fund</b> | <b>Name/Organization</b>                                      | <b>Place of Award</b> | <b>STRIPES Amount</b> |
|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0009004           | Base        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS                | VIRGINIA              | 518,565               |
| EERE              | EE0009003           | Base        | WORLD RESOURCES INSTITUTE INC                                 | DISTRICT OF COLUMBIA  | 600,043               |
| EERE              | EE0009000           | Base        | INTERNATIONAL CITY/COUNTY MANAGEMENT ASSOCIATION (THE)        | DISTRICT OF COLUMBIA  | 1,000,000             |
| EERE              | EE0008999           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 1,534,330             |
| EERE              | EE0008998           | Base        | Purdue University   | INDIANA               | 3,469,487             |
| EERE              | EE0008996           | Base        | General Electric Company                                      | NEW YORK              | 2,718,305             |
| EERE              | EE0008992           | Base        | MICHIGAN STATE UNIVERSITY                                     | MICHIGAN              | 2,038,481             |
| EERE              | EE0008976           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 3,333,158             |
| EERE              | EE0008975           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 4,415,565             |
| EERE              | EE0008974           | Base        | COLORADO STATE UNIVERSITY 67868                               | COLORADO              | 5,353,308             |
| EERE              | EE0008973           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 2,119,530             |
| EERE              | EE0008972           | Base        | ENERGY MATERIALS CORPORATION                                  | NEW YORK              | 3,250,000             |
| EERE              | EE0008970           | Base        | UNIVERSITY OF TOLEDO, THE                                     | OHIO                  | 4,865,927             |
| EERE              | EE0008969           | Base        | LITTORAL POWER SYSTEMS INC                                    | MASSACHUSETTS         | 943,557               |
| EERE              | EE0008968           | Base        | UNIVERSITY OF MASSACHUSETTS                                   | MASSACHUSETTS         | 714,892               |
| EERE              | EE0008967           | Base        | KEYSTONE TOWER SYSTEMS, INC                                   | COLORADO              | 445,044               |
| EERE              | EE0008965           | Base        | UNIVERSITY OF MAINE SYSTEM                                    | MAINE                 | 4,120,000             |
| EERE              | EE0008959           | Base        | BERGEY WINDPOWER COMPANY, LLC                                 | OKLAHOMA              | 1,147,875             |
| EERE              | EE0008957           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 2,119,857             |
| EERE              | EE0008956           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY               | IOWA                  | 942,372               |
| EERE              | EE0008951           | Base        | CALWAVE POWER TECHNOLOGIES INC                                | CALIFORNIA            | 1,799,885             |
| EERE              | EE0008948           | Base        | OCEAN RENEWABLE POWER CO LLC                                  | MAINE                 | 3,875,859             |
| EERE              | EE0008947           | Base        | REGENTS OF THE UNIVERSITY OF MINNESOTA                        | MINNESOTA             | 999,556               |
| EERE              | EE0008944           | Base        | STEVENS INST OF TECHNOLOGY INC                                | NEW JERSEY            | 995,964               |
| EERE              | EE0008941           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 1,363,769             |
| EERE              | EE0008936           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                            | PENNSYLVANIA          | 671,941               |
| EERE              | EE0008934           | Base        | University of California, Berkeley                            | CALIFORNIA            | 1,000,000             |
| EERE              | EE0008932           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,919,091             |
| EERE              | EE0008930           | Base        | UNIVERSITY OF MASSACHUSETTS                                   | MASSACHUSETTS         | 1,139,043             |
| EERE              | EE0008929           | Base        | SPERO RENEWABLES, LLC   | CALIFORNIA            | 1,850,000             |
| EERE              | EE0008927           | Base        | UNIVERSITY OF WASHINGTON                                      | WASHINGTON            | 1,082,703             |
| EERE              | EE0008926           | Base        | University of California, Berkeley                            | CALIFORNIA            | 1,309,993             |
| EERE              | EE0008924           | Base        | POW GENETIC SOLUTIONS, INC.                                   | CALIFORNIA            | 1,858,821             |
| EERE              | EE0008923           | Base        | COLORADO STATE UNIVERSITY 67868                               | COLORADO              | 3,817,538             |
| EERE              | EE0008922           | Base        | VERTIMASS, LLC  | CALIFORNIA            | 1,316,747             |
| EERE              | EE0008921           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE                    | COLORADO              | 913,435               |
| EERE              | EE0008920           | Base        | Purdue University   | INDIANA               | 904,849               |
| EERE              | EE0008919           | Base        | INSTITUTE OF GAS TECHNOLOGY                                   | ILLINOIS              | 1,320,187             |
| EERE              | EE0008918           | Base        | RESEARCH TRIANGLE INSTITUTE                                   | NORTH CAROLINA        | 2,356,665             |
| EERE              | EE0008917           | Base        | OXEON ENERGY, LLC   | UTAH                  | 1,995,388             |
| EERE              | EE0008916           | Base        | TRASH 2 CASH -ENERGY LLC                                      | FLORIDA               | 2,177,752             |
| EERE              | EE0008914           | Base        | ISB MARKETING INC   | INDIANA               | 1,019,252             |
| EERE              | EE0008913           | Base        | MF FIRE, INC.   | MARYLAND              | 998,936               |
| EERE              | EE0008912           | Base        | UNIVERSITY OF SOUTH CAROLINA (INC)                            | SOUTH CAROLINA        | 363,000               |
| EERE              | EE0008911           | Base        | UNIVERSITY OF GEORGIA RESEACH FOUNDATION INC                  | GEORGIA               | 1,001,342             |
| EERE              | EE0008909           | Base        | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION                    | KENTUCKY              | 1,191,922             |
| EERE              | EE0008908           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324                           | WISCONSIN             | 798,116               |
| EERE              | EE0008905           | Base        | University of Illinois  | ILLINOIS              | 3,011,601             |
| EERE              | EE0008904           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES                      | COLORADO              | 2,804,628             |
| EERE              | EE0008903           | Base        | Global Algae Innovations Inc                                  | CALIFORNIA            | 4,100,000             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0008902           | Base        | NMC INC   | NEW MEXICO            | 3,677,980             |
| EERE              | EE0008894           | Base        | CLEAN FUELS OHIO                                  | OHIO                  | 562,961               |
| EERE              | EE0008890           | Base        | AKIMEKA, LLC                                      | FLORIDA               | 3,644,828             |
| EERE              | EE0008889           | Base        | CLEAN FUELS OHIO                                  | OHIO                  | 680,651               |
| EERE              | EE0008886           | Base        | UTAH CLEAN CITIES                                 | UTAH                  | 653,927               |
| EERE              | EE0008885           | Base        | LONE STAR CLEAN FUELS ALLIANCE                    | TEXAS                 | 700,864               |
| EERE              | EE0008884           | Base        | RURAL ACTION INC                                  | OHIO                  | 880,581               |
| EERE              | EE0008883           | Base        | CARNEGIE MELLON UNIVERSITY                        | PENNSYLVANIA          | 905,074               |
| EERE              | EE0008882           | Base        | DRIVE OREGON                                      | OREGON                | 348,438               |
| EERE              | EE0008879           | Base        | E4 CAROLINAS, INC.                                | NORTH CAROLINA        | 571,030               |
| EERE              | EE0008877           | Base        | GENERAL MOTORS LLC                                | MICHIGAN              | 6,207,878             |
| EERE              | EE0008874           | Base        | AUBURN UNIVERSITY                                 | ALABAMA               | 899,948               |
| EERE              | EE0008873           | Base        | SOUTHWEST RESEARCH INSTITUTE                      | TEXAS                 | 3,188,983             |
| EERE              | EE0008871           | Base        | UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE         | NORTH CAROLINA        | 599,096               |
| EERE              | EE0008870           | Base        | CARNEGIE MELLON UNIVERSITY                        | PENNSYLVANIA          | 692,694               |
| EERE              | EE0008867           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                 | CONNECTICUT           | 699,761               |
| EERE              | EE0008866           | Base        | UNIVERSITY OF LOUISVILLE 80668                    | KENTUCKY              | 995,316               |
| EERE              | EE0008865           | Base        | VIRGINIA COMMONWEALTH UNIVERSITY                  | VIRGINIA              | 791,746               |
| EERE              | EE0008863           | Base        | GENERAL MOTORS LLC                                | MICHIGAN              | 935,964               |
| EERE              | EE0008860           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY | VIRGINIA              | 999,955               |
| EERE              | EE0008858           | Base        | STATE OF MARYLAND                                 | MARYLAND              | 1,000,000             |
| EERE              | EE0008857           | Base        | GENERAL MOTORS LLC                                | MICHIGAN              | 883,253               |
| EERE              | EE0008852           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY   | IOWA                  | 996,099               |
| EERE              | EE0008850           | Base        | Frontier Energy Inc.                              | GEORGIA               | 5,939,675             |
| EERE              | EE0008849           | Base        | CONSTELLATION ENERGY GENERATION, LLC              | PENNSYLVANIA          | 4,818,161             |
| EERE              | EE0008847           | Base        | FUELCELL ENERGY, INC.                             | CONNECTICUT           | 1,775,152             |
| EERE              | EE0008840           | Base        | UNIVERSITY OF FLORIDA                             | FLORIDA               | 982,911               |
| EERE              | EE0008837           | Base        | UNIVERSITY OF TOLEDO, THE                         | OHIO                  | 749,760               |
| EERE              | EE0008835           | Base        | REDOX POWER SYSTEMS, LLC                          | MARYLAND              | 249,921               |
| EERE              | EE0008833           | Base        | GEORGIA TECH RESEARCH CORPORATION                 | GEORGIA               | 999,997               |
| EERE              | EE0008829           | Base        | HY-PERFORMANCE MATERIALS TESTING LLC              | OREGON                | 620,380               |
| EERE              | EE0008827           | Base        | CLEMSON UNIVERSITY                                | SOUTH CAROLINA        | 999,235               |
| EERE              | EE0008826           | Base        | WASHINGTON STATE UNIVERSITY                       | WASHINGTON            | 1,000,000             |
| EERE              | EE0008824           | Base        | UNIVERSITY OF HAWAII SYSTEMS                      | HAWAII                | 994,326               |
| EERE              | EE0008821           | Base        | GENERAL MOTORS LLC                                | MICHIGAN              | 1,947,310             |
| EERE              | EE0008820           | Base        | NIKOLA CORPORATION                                | ARIZONA               | 1,700,000             |
| EERE              | EE0008818           | Base        | NEL HYDROGEN INC                                  | CALIFORNIA            | 150,928               |
| EERE              | EE0008817           | Base        | ELECTRICORE, INC                                  | CALIFORNIA            | 2,485,580             |
| EERE              | EE0008815           | Base        | MONTANA STATE UNIVERSITY SYSTEM                   | MONTANA               | 874,546               |
| EERE              | EE0008813           | Base        | TRUSTEES OF INDIANA UNIVERSITY                    | INDIANA               | 918,500               |
| EERE              | EE0008812           | Base        | NORTH CAROLINA STATE UNIVERSITY                   | NORTH CAROLINA        | 800,000               |
| EERE              | EE0008810           | Base        | UNIVERSITY OF NORTH TEXAS                         | TEXAS                 | 274,252               |
| EERE              | EE0008809           | Base        | NORTH CAROLINA STATE UNIVERSITY                   | NORTH CAROLINA        | 2,499,461             |
| EERE              | EE0008806           | Base        | Ricardo Inc                                       | MICHIGAN              | 4,605,398             |
| EERE              | EE0008805           | Base        | Volvo Technology of America                       | NORTH CAROLINA        | 3,069,003             |
| EERE              | EE0008804           | Base        | Daimler Trucks North America LLC                  | OREGON                | 4,605,776             |
| EERE              | EE0008803           | Base        | PACCAR, Inc.                                      | WASHINGTON            | 4,989,288             |
| EERE              | EE0008802           | Base        | INSTITUTE OF GAS TECHNOLOGY                       | ILLINOIS              | 600,000               |
| EERE              | EE0008801           | Base        | UNIVERSITY OF WISCONSIN SYSTEM 3324               | WISCONSIN             | 2,463,395             |
| EERE              | EE0008800           | Base        | MICHIGAN TECHNOLOGICAL UNIVERSITY (INC)           | MICHIGAN              | 2,304,704             |
| EERE              | EE0008799           | Base        | INSTITUTE OF GAS TECHNOLOGY                       | ILLINOIS              | 1,999,789             |
| EERE              | EE0008796           | Base        | UNIVERSITY OF DELAWARE                            | DELAWARE              | 510,000               |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0008795           | Base        | CASE WESTERN RESERVE UNIVERSITY                               | OHIO                  | 509,579               |
| EERE              | EE0008794           | Base        | TEXAS A&M ENGINEERING EXPERIMENT STATION                      | TEXAS                 | 1,484,256             |
| EERE              | EE0008793           | Base        | OREGON STATE UNIVERSITY                                       | OREGON                | 788,617               |
| EERE              | EE0008780           | Base        | QUIDNET ENERGY INC.   | TEXAS                 | 1,200,000             |
| EERE              | EE0008775           | Base        | UNIVERSITY OF UTAH, THE                                       | UTAH                  | 2,707,127             |
| EERE              | EE0008773           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 2,973,264             |
| EERE              | EE0008770           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 2,189,600             |
| EERE              | EE0008769           | Base        | SIEMENS CORPORATION   | NEW JERSEY            | 3,793,140             |
| EERE              | EE0008768           | Base        | ELECTRICAL DISTRIBUTION DESIGN INC                            | VIRGINIA              | 2,591,843             |
| EERE              | EE0008764           | Base        | UNIVERSITY OF HOUSTON   | TEXAS                 | 571,065               |
| EERE              | EE0008763           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                            | PENNSYLVANIA          | 1,364,920             |
| EERE              | EE0008760           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES                      | COLORADO              | 1,143,817             |
| EERE              | EE0008758           | Base        | CLEAN ENERGY STATES ALLIANCE                                  | VERMONT               | 954,064               |
| EERE              | EE0008757           | Base        | ENERGY ALLIES   | MASSACHUSETTS         | 599,990               |
| EERE              | EE0008754           | Base        | ARIZONA STATE UNIVERSITY                                      | ARIZONA               | 755,745               |
| EERE              | EE0008753           | Base        | UNIVERSITY OF TOLEDO, THE                                     | OHIO                  | 849,959               |
| EERE              | EE0008752           | Base        | UNIVERSITY OF LOUISVILLE 80668                                | KENTUCKY              | 848,740               |
| EERE              | EE0008750           | Base        | SWIFT SOLAR INC.  | CALIFORNIA            | 660,000               |
| EERE              | EE0008748           | Base        | UL LLC  | ILLINOIS              | 1,214,567             |
| EERE              | EE0008746           | Base        | University of Central Florida                                 | FLORIDA               | 776,892               |
| EERE              | EE0008745           | Base        | UNIVERSITY OF SOUTH FLORIDA                                   | FLORIDA               | 644,951               |
| EERE              | EE0008740           | Base        | SOUTHWEST RESEARCH INSTITUTE                                  | TEXAS                 | 2,269,985             |
| EERE              | EE0008739           | Base        | SOUTHWEST RESEARCH INSTITUTE                                  | TEXAS                 | 1,790,000             |
| EERE              | EE0008729           | Base        | RENEWABLE ENERGY WILDLIFE INSTITUTE                           | DISTRICT OF COLUMBIA  | 1,097,497             |
| EERE              | EE0008728           | Base        | STANTEC CONSULTING SERVICES INC                               | MAINE                 | 343,677               |
| EERE              | EE0008726           | Base        | COLORADO STATE UNIVERSITY 67868                               | COLORADO              | 1,971,968             |
| EERE              | EE0008714           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY             | VIRGINIA              | 714,164               |
| EERE              | EE0008711           | Base        | Purdue University   | INDIANA               | 1,498,527             |
| EERE              | EE0008710           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,438,845             |
| EERE              | EE0008708           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 1,498,075             |
| EERE              | EE0008702           | Base        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS                | VIRGINIA              | 531,525               |
| EERE              | EE0008701           | Base        | Institute For Market Transformation, Inc., The                | DISTRICT OF COLUMBIA  | 562,024               |
| EERE              | EE0008699           | Base        | University of Central Florida                                 | FLORIDA               | 697,685               |
| EERE              | EE0008691           | Base        | Trustees of Boston University                                 | MASSACHUSETTS         | 734,380               |
| EERE              | EE0008688           | Base        | University of Central Florida                                 | FLORIDA               | 876,754               |
| EERE              | EE0008684           | Base        | CENTER FOR ENERGY AND ENVIRONMENT                             | MINNESOTA             | 573,102               |
| EERE              | EE0008682           | Base        | SOUTHERN INDIANA GAS AND ELECTRIC COMPANY                     | TEXAS                 | 140,158               |
| EERE              | EE0008680           | Base        | GEORGIA TECH RESEARCH CORPORATION                             | GEORGIA               | 1,394,392             |
| EERE              | EE0008677           | Base        | UNIVERSITY OF ALABAMA   | ALABAMA               | 1,020,547             |
| EERE              | EE0008675           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE | NEW YORK              | 1,451,395             |
| EERE              | EE0008673           | Base        | Purdue University   | INDIANA               | 999,778               |
| EERE              | EE0008639           | Base        | J CRAIG VENTER INSTITUTE, INC                                 | CALIFORNIA            | 1,998,757             |
| EERE              | EE0008636           | Base        | FLORIDA ATLANTIC UNIVERSITY                                   | FLORIDA               | 1,044,229             |
| EERE              | EE0008635           | Base        | NORTH CAROLINA STATE UNIVERSITY                               | NORTH CAROLINA        | 1,894,358             |
| EERE              | EE0008632           | Base        | CALWAVE POWER TECHNOLOGIES INC                                | CALIFORNIA            | 2,641,723             |
| EERE              | EE0008629           | Base        | UNIVERSITY OF HAWAII SYSTEMS                                  | HAWAII                | 1,161,927             |
| EERE              | EE0008626           | Base        | ATARGIS ENERGY CORP   | COLORADO              | 3,495,658             |
| EERE              | EE0008625           | Base        | OSCILLA POWER, INC.   | WASHINGTON            | 3,461,297             |
| EERE              | EE0008575           | Base        | BLUE LAKE RANCHERIA   | CALIFORNIA            | 501,819               |
| EERE              | EE0008574           | Base        | Electric Power Research Institute, Inc.                       | CALIFORNIA            | 6,532,977             |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0008570           | Base        | ARIZONA STATE UNIVERSITY  | ARIZONA               | 1,154,199             |
| EERE              | EE0008569           | Base        | GRID ALTERNATIVES   | CALIFORNIA            | 999,470               |
| EERE              | EE0008568           | Base        | ICAST (INTERNATIONAL CENTER FOR APPROPRIATE AND SUSTAINABLE TECHNOLOGY) | COLORADO              | 999,935               |
| EERE              | EE0008567           | Base        | GROUNDSWELL, INC.   | DISTRICT OF COLUMBIA  | 1,165,551             |
| EERE              | EE0008561           | Base        | Regents of The University of Michigan                                   | MICHIGAN              | 1,602,611             |
| EERE              | EE0008537           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY                       | VIRGINIA              | 1,305,241             |
| EERE              | EE0008522           | Base        | TEXAS A&M AGRILIFE RESEARCH   | TEXAS                 | 4,999,539             |
| EERE              | EE0008521           | Base        | University of Illinois  | ILLINOIS              | 4,336,002             |
| EERE              | EE0008516           | Base        | Global Algae Innovations Inc  | CALIFORNIA            | 2,500,000             |
| EERE              | EE0008513           | Base        | WORCESTER POLYTECHNIC INSTITUTE   | MASSACHUSETTS         | 1,988,589             |
| EERE              | EE0008510           | Base        | WEST BIOFUELS, LLC  | CALIFORNIA            | 1,200,001             |
| EERE              | EE0008509           | Base        | RESEARCH TRIANGLE INSTITUTE   | NORTH CAROLINA        | 2,043,924             |
| EERE              | EE0008508           | Base        | LANZATECH, INC  | ILLINOIS              | 1,505,000             |
| EERE              | EE0008507           | Base        | INSTITUTE OF GAS TECHNOLOGY   | ILLINOIS              | 2,986,033             |
| EERE              | EE0008506           | Base        | APPLIED RESEARCH ASSOCIATES   | NEW MEXICO            | 2,360,000             |
| EERE              | EE0008505           | Base        | WASHINGTON STATE UNIVERSITY   | WASHINGTON            | 1,302,433             |
| EERE              | EE0008502           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 1,794,794             |
| EERE              | EE0008499           | Base        | MONTANA STATE UNIVERSITY SYSTEM   | MONTANA               | 1,455,251             |
| EERE              | EE0008495           | Base        | ARZEDA CORP   | WASHINGTON            | 1,732,525             |
| EERE              | EE0008491           | Base        | UNIVERSITY OF CALIFORNIA, SAN DIEGO                                     | CALIFORNIA            | 1,585,971             |
| EERE              | EE0008488           | Base        | UNIVERSITY OF SOUTH FLORIDA   | FLORIDA               | 1,236,378             |
| EERE              | EE0008487           | Base        | HOTROCK ENERGY RESEARCH ORGANIZATION                                    | WASHINGTON            | 791,294               |
| EERE              | EE0008486           | Base        | FERVO ENERGY COMPANY  | TEXAS                 | 1,017,690             |
| EERE              | EE0008484           | Base        | WELLTEC, INC.   | TEXAS                 | 802,929               |
| EERE              | EE0008481           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE           | NEW YORK              | 1,487,112             |
| EERE              | EE0008474           | Base        | METROPOLITAN ENERGY CENTER INC  | MISSOURI              | 857,694               |
| EERE              | EE0008473           | Base        | CENTER FOR SUSTAINABLE ENERGY   | CALIFORNIA            | 1,402,609             |
| EERE              | EE0008464           | Base        | FORD MOTOR COMPANY  | MICHIGAN              | 1,639,834             |
| EERE              | EE0008463           | Base        | CARNEGIE MELLON UNIVERSITY  | PENNSYLVANIA          | 1,502,624             |
| EERE              | EE0008459           | Base        | UNIVERSITY OF FLORIDA   | FLORIDA               | 1,025,938             |
| EERE              | EE0008458           | Base        | FORD MOTOR COMPANY  | MICHIGAN              | 824,979               |
| EERE              | EE0008453           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY                       | VIRGINIA              | 2,492,038             |
| EERE              | EE0008450           | Base        | NORTH CAROLINA STATE UNIVERSITY   | NORTH CAROLINA        | 2,642,635             |
| EERE              | EE0008449           | Base        | MISSOURI SYSTEM, UNIVERSITY OF  | MISSOURI              | 2,348,786             |
| EERE              | EE0008448           | Base        | Electric Power Research Institute, Inc.                                 | CALIFORNIA            | 2,601,500             |
| EERE              | EE0008447           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                                      | PENNSYLVANIA          | 1,502,017             |
| EERE              | EE0008445           | Base        | UNIVERSITY OF TEXAS AT AUSTIN   | TEXAS                 | 1,679,993             |
| EERE              | EE0008440           | Base        | UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC                            | KANSAS                | 987,741               |
| EERE              | EE0008437           | Base        | NORTHWESTERN UNIVERSITY   | ILLINOIS              | 974,495               |
| EERE              | EE0008431           | Base        | INSTITUTE OF GAS TECHNOLOGY   | ILLINOIS              | 2,450,000             |
| EERE              | EE0008429           | Base        | WASHINGTON STATE UNIVERSITY   | WASHINGTON            | 1,897,757             |
| EERE              | EE0008415           | Base        | SOUTHWEST RESEARCH INSTITUTE  | TEXAS                 | 1,185,075             |
| EERE              | EE0008414           | Base        | ELECTRATHERM, INC.  | GEORGIA               | 1,437,534             |
| EERE              | EE0008409           | Base        | CLEMSON UNIVERSITY  | SOUTH CAROLINA        | 1,499,368             |
| EERE              | EE0008406           | Base        | AIR-CONDITIONING, HEATING AND REFRIGERATION TECHNOLOGY INSTITUTE, INC.  | VIRGINIA              | 792,658               |
| EERE              | EE0008400           | Base        | UNIVERSITY OF CONNECTICUT   | CONNECTICUT           | 873,648               |
| EERE              | EE0008397           | Base        | WILLIAM MARSH RICE UNIVERSITY   | TEXAS                 | 1,699,988             |
| EERE              | EE0008391           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES                                    | CALIFORNIA            | 1,709,620             |
| EERE              | EE0008389           | Base        | UNIVERSITY OF ALASKA ANCHORAGE  | ALASKA                | 998,814               |

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|-------------------|---------------------|-------------|--|-----------------------|-----------------------|
| EERE              | EE0008377           | Base        | SAINT-GOBAIN CERAMICS & PLASTICS, INC              | MASSACHUSETTS         | 719,547               |
| EERE              | EE0008371           | Base        | GEORGIA TECH RESEARCH CORPORATION                  | GEORGIA               | 1,850,510             |
| EERE              | EE0008361           | Base        | DELTA PRODUCTS CORPORATION                         | CALIFORNIA            | 3,447,837             |
| EERE              | EE0008360           | Base        | WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC.    | UTAH                  | 4,292,137             |
| EERE              | EE0008345           | Base        | NORTH CAROLINA STATE UNIVERSITY                    | NORTH CAROLINA        | 1,430,673             |
| EERE              | EE0008325           | Base        | COLORADO STATE UNIVERSITY 67868                    | COLORADO              | 1,882,772             |
| EERE              | EE0008310           | Base        | DANA FARBER CANCER INSTITUTE, INC                  | MASSACHUSETTS         | 1,165,384             |
| EERE              | EE0008309           | Base        | BOSTON ELECTROMETALLURGICAL CORPORATION            | MASSACHUSETTS         | 1,725,032             |
| EERE              | EE0008303           | Base        | GEORGIA TECH RESEARCH CORPORATION                  | GEORGIA               | 2,499,865             |
| EERE              | EE0008276           | Base        | UNIVERSITY OF MAINE SYSTEM                         | MAINE                 | 2,164,052             |
| EERE              | EE0008275           | Base        | WASHINGTON STATE UNIVERSITY                        | WASHINGTON            | 1,983,994             |
| EERE              | EE0008273           | Base        | NORTH CAROLINA STATE UNIVERSITY                    | NORTH CAROLINA        | 2,754,204             |
| EERE              | EE0008272           | Base        | HOUSTON ADVANCED RESEARCH CENT                     | TEXAS                 | 4,212,500             |
| EERE              | EE0008271           | Base        | PENNSYLVANIA STATE UNIVERSITY, THE                 | PENNSYLVANIA          | 2,703,546             |
| EERE              | EE0008262           | Base        | METROPOLITAN ENERGY CENTER INC                     | MISSOURI              | 3,479,176             |
| EERE              | EE0008252           | Base        | SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY          | SOUTH DAKOTA          | 1,926,160             |
| EERE              | EE0008250           | Base        | TEXAS A&M AGRILIFE RESEARCH                        | TEXAS                 | 2,236,211             |
| EERE              | EE0008247           | Base        | UNIVERSITY OF TOLEDO, THE                          | OHIO                  | 2,397,697             |
| EERE              | EE0008245           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES           | COLORADO              | 1,961,381             |
| EERE              | EE0008220           | Base        | University of California, Berkeley                 | CALIFORNIA            | 1,275,000             |
| EERE              | EE0008185           | Base        | Rocky Mountain Institute                           | COLORADO              | 606,508               |
| EERE              | EE0008166           | Base        | TRUSTEES OF THE COLORADO SCHOOL OF MINES           | COLORADO              | 1,399,890             |
| EERE              | EE0008114           | Base        | CASE WESTERN RESERVE UNIVERSITY                    | OHIO                  | 589,535               |
| EERE              | EE0008098           | Base        | AQUAHARMONICS, INC                                 | OREGON                | 4,000,005             |
| EERE              | EE0008088           | Base        | REGENTS OF THE UNIVERSITY OF COLORADO, THE         | COLORADO              | 994,811               |
| EERE              | EE0008080           | Base        | RAYTHEON TECHNOLOGIES CORPORATION                  | CONNECTICUT           | 999,617               |
| EERE              | EE0008010           | Base        | OPUS ONE SOLUTIONS (USA) CORPORATION               | WASHINGTON            | 3,167,575             |
| EERE              | EE0007994           | Base        | ODYNE SYSTEMS, LLC                                 | WISCONSIN             | 2,149,644             |
| EERE              | EE0007968           | Base        | RIALTO BIOENERGY FACILITY, LLC                     | CALIFORNIA            | 2,999,096             |
| EERE              | EE0007967           | Base        | AVAPCO LLC   | GEORGIA               | 4,670,329             |
| EERE              | EE0007966           | Base        | LANZATECH, INC                                     | ILLINOIS              | 18,444,107            |
| EERE              | EE0007899           | Base        | OREGON STATE UNIVERSITY                            | OREGON                | 141,695,691           |
| EERE              | EE0007897           | Base        | SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP | NEW YORK              | 65,984,877            |
| EERE              | EE0007883           | Base        | RENEWABLE ENERGY WILDLIFE INSTITUTE                | DISTRICT OF COLUMBIA  | 714,077               |
| EERE              | EE0007872           | Base        | FLORIDA STATE UNIVERSITY, THE                      | FLORIDA               | 936,762               |
| EERE              | EE0007870           | Base        | AMERICAN SUPERCONDUCTOR CORPORATION                | MASSACHUSETTS         | 3,751,183             |
| EERE              | EE0007866           | Base        | CLEVELAND-CLIFFS STEEL CORPORATION                 | OHIO                  | 1,158,895             |
| EERE              | EE0007849           | Base        | LIOX POWER, INC                                    | CALIFORNIA            | 904,000               |
| EERE              | EE0007827           | Base        | UNIVERSITY OF WASHINGTON                           | WASHINGTON            | 1,364,611             |
| EERE              | EE0007825           | Base        | WOODS HOLE OCEANOGRAPHIC INSTITUTION               | MASSACHUSETTS         | 750,000               |
| EERE              | EE0007824           | Base        | BIOSONICS, INC.                                    | WASHINGTON            | 1,022,074             |
| EERE              | EE0007820           | Base        | ORPC MAINE, LLC                                    | MAINE                 | 5,350,000             |
| EERE              | EE0007819           | Base        | OSCILLA POWER, INC.                                | WASHINGTON            | 9,462,053             |
| EERE              | EE0007799           | Base        | CALSTART INC                                       | CALIFORNIA            | 349,007               |
| EERE              | EE0007705           | Base        | SAN FRANCISCO STATE UNIVERSITY                     | CALIFORNIA            | 1,066,394             |
| EERE              | EE0007613           | Base        | UNIVERSITY OF CALIFORNIA LOS ANGELES               | CALIFORNIA            | 69,520,898            |
| EERE              | EE0007347           | Base        | COLUMBIA POWER TECHNOLOGIES INC                    | VIRGINIA              | 4,150,000             |
| EERE              | EE0007293           | Base        | CLEMSON UNIVERSITY                                 | SOUTH CAROLINA        | 2,249,142             |
| EERE              | EE0007275           | Base        | ELECTRICORE, INC                                   | CALIFORNIA            | 1,318,250             |
| EERE              | EE0007104           | Base        | TEXAS A&M AGRILIFE RESEARCH                        | TEXAS                 | 2,499,993             |
| EERE              | EE0007080           | Base        | UNIVERSITY OF UTAH, THE                            | UTAH                  | 292,505,705           |

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| EERE              | EE0006923           | Base        | NORTHWEST ENERGY INNOVATIONS                             | OREGON                  | 4,805,000             |
| EERE              | EE0006874           | Base        | SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT              | CALIFORNIA              | 8,768,322             |
| EERE              | EE0006816           | Base        | OREGON STATE UNIVERSITY                                  | OREGON                  | 6,019,180             |
| EERE              | EE0006523           | Base        | CENTER FOR TRANSPORTATION AND THE ENVIRONMENT            | GEORGIA                 | 2,981,889             |
| EERE              | EE0006521           | Base        | NORTH CAROLINA STATE UNIVERSITY                          | NORTH CAROLINA          | 67,230,024            |
| EERE              | EE0006250           | Base        | UNITED STATES ADVANCED BATTERY CONSORTIUM LLC            | MICHIGAN                | 62,240,048            |
| EERE              | EE0005990           | Base        | UNIVERSITY OF MAINE SYSTEM                               | MAINE                   | 6,901,879             |
| EERE              | EE0011407           | IJJA        | Silfab Solar Cells SC Inc                                | SOUTH CAROLINA          | 4,964,999             |
| EERE              | EE0011374           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY          | IOWA                    | 2,442,395             |
| EERE              | EE0011170           | Base        | East Penn Manufacturing Co.                              | PENNSYLVANIA            | 1,519,701             |
| EERE              | EE0011017           | Base        | WEI7 LLC   | TEXAS                   | 1,200,000             |
| EERE              | EE0010944           | IJJA        | Alaska Housing Finance Corp                              | ALASKA                  | 1,500,000             |
| EERE              | EE0010607           | Base        | Purdue University  | INDIANA                 | 2,492,978             |
| EERE              | EE0010454           | Base        | Comstock Inc.  | NEVADA                  | 2,000,000             |
| EERE              | EE0009945           | Base        | North Carolina Agricultural & Technical State University | NORTH CAROLINA          | 2,499,994             |
| EERE              | EE0009769           | Base        | OREGON STATE UNIVERSITY                                  | OREGON                  | 2,500,000             |
| EERE              | EE0007964           | Base        | Thermochem Recovery International, Inc.                  | MARYLAND                | 543,316               |
| EERE              | EE0011764           | Base        | SOLAR & STORAGE INDUSTRIES INSTITUTE                     | DISTRICT OF COLUMBIA    | 3,000,000             |
| EERE              | EE0011575           | IJJA        | Utah Clean Energy Alliance, Inc.                         | UTAH                    | 2,600,000             |
| EERE              | EE0011569           | IJJA        | Virginia Department of Housing and Community Development | VIRGINIA                | 1,800,000             |
| EERE              | EE0011568           | IJJA        | American Council for an Energy Efficient Economy         | DISTRICT OF COLUMBIA    | 3,600,000             |
| EERE              | EE0011566           | IJJA        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS           | VIRGINIA                | 1,800,000             |
| EERE              | EE0011563           | IJJA        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS           | VIRGINIA                | 1,960,000             |
| EERE              | EE0011556           | IJJA        | Slipstream Group, Inc.                                   | WISCONSIN               | 2,814,917             |
| EERE              | EE0011555           | IJJA        | Institute For Market Transformation, Inc., The           | DISTRICT OF COLUMBIA    | 5,100,000             |
| EERE              | EE0011554           | IJJA        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE                     | GEORGIA                 | 2,800,000             |
| EERE              | EE0011530           | Base        | AGL Resources Inc  | GEORGIA                 | 1,000,000             |
| EERE              | EE0011496           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION            | WEST VIRGINIA           | 5,000,000             |
| EERE              | EE0011474           | Base        | UNIVERSITY OF SOUTH FLORIDA                              | FLORIDA                 | 2,458,676             |
| EERE              | EE0011469           | Base        | MICHIGAN STATE UNIVERSITY                                | MICHIGAN                | 2,133,194             |
| EERE              | EE0011468           | Base        | Trustees of The University of Pennsylvania               | PENNSYLVANIA            | 2,474,610             |
| EERE              | EE0011466           | Base        | SOLAR & STORAGE INDUSTRIES INSTITUTE                     | DISTRICT OF COLUMBIA    | 2,325,734             |
| EERE              | EE0011418           | Base        | 5N Plus, Inc.  | INTERNATIONAL CANADA QC | 1,547,135             |
| EERE              | EE0011415           | Base        | Appalachian Renewable Power Systems Ltd.                 | OHIO                    | 1,573,817             |
| EERE              | EE0011410           | Base        | Wabash National Corp                                     | INDIANA                 | 1,863,725             |
| EERE              | EE0011384           | Base        | Corps Network, The                                       | DISTRICT OF COLUMBIA    | 1,175,446             |
| EERE              | EE0011376           | Base        | GEORGIA TECH RESEARCH CORPORATION                        | GEORGIA                 | 2,766,455             |
| EERE              | EE0011375           | Base        | Quanta Technology, LLC                                   | NORTH CAROLINA          | 3,161,341             |
| EERE              | EE0011369           | Base        | Florida International University                         | FLORIDA                 | 1,991,463             |
| EERE              | EE0011357           | IJJA        | Harris, County of  | TEXAS                   | 4,860,332             |
| EERE              | EE0011354           | IJJA        | Robert Bosch LLC   | MICHIGAN                | 10,000,000            |
| EERE              | EE0011352           | IJJA        | Saueressig North America, Inc.                           | PENNSYLVANIA            | 9,448,096             |
| EERE              | EE0011350           | IJJA        | Robert Bosch LLC   | MICHIGAN                | 4,999,173             |
| EERE              | EE0011348           | IJJA        | P H Matter, LLC  | OHIO                    | 7,211,751             |
| EERE              | EE0011341           | IJJA        | Robert Bosch LLC   | MICHIGAN                | 30,000,000            |
| EERE              | EE0011340           | IJJA        | GENERAL MOTORS LLC                                       | MICHIGAN                | 29,999,999            |
| EERE              | EE0011339           | IJJA        | Avium LLC  | KANSAS                  | 4,985,214             |
| EERE              | EE0011333           | IJJA        | GEORGIA TECH RESEARCH CORPORATION                        | GEORGIA                 | 2,400,000             |
| EERE              | EE0011329           | IJJA        | GEORGIA TECH RESEARCH CORPORATION                        | GEORGIA                 | 3,577,398             |
| EERE              | EE0011316           | IJJA        | PPG Industries, Inc.                                     | PENNSYLVANIA            | 6,059,162             |

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| EERE              | EE0011307           | IJJA        | Thyssenkrupp Nucera USA, Inc.  | TEXAS                 | 50,000,000            |
| EERE              | EE0011306           | IJJA        | NEXTECH MATERIALS LTD  | OHIO                  | 29,125,000            |
| EERE              | EE0011305           | IJJA        | OXEON ENERGY, LLC  | UTAH                  | 34,274,698            |
| EERE              | EE0011261           | IJJA        | CENTRAL PINES REGIONAL COUNCIL   | NORTH CAROLINA        | 3,552,522             |
| EERE              | EE0011260           | IJJA        | American Center for Mobility   | MICHIGAN              | 2,840,325             |
| EERE              | EE0011258           | IJJA        | Quanta Technology, LLC   | NORTH CAROLINA        | 2,278,272             |
| EERE              | EE0011256           | Base        | Wisconsin Regional Training Partnership, Inc.                                | WISCONSIN             | 1,500,178             |
| EERE              | EE0011255           | IJJA        | Corps Network, The   | DISTRICT OF COLUMBIA  | 1,500,000             |
| EERE              | EE0011252           | Base        | City of Philadelphia   | PENNSYLVANIA          | 1,470,995             |
| EERE              | EE0011251           | IJJA        | ICF Incorporated, LLC  | VIRGINIA              | 1,499,099             |
| EERE              | EE0011244           | IJJA        | Virginia Electric and Power Company  | VIRGINIA              | 1,487,838             |
| EERE              | EE0011237           | IJJA        | UNIVERSITY OF NORTH DAKOTA   | NORTH DAKOTA          | 1,500,000             |
| EERE              | EE0011235           | IJJA        | NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS                                   | TEXAS                 | 1,500,000             |
| EERE              | EE0011231           | Base        | University of Wisconsin System   | WISCONSIN             | 9,995,543             |
| EERE              | EE0011220           | Base        | LEHIGH UNIVERSITY  | PENNSYLVANIA          | 2,000,000             |
| EERE              | EE0011192           | Base        | ECHOGEN POWER SYSTEMS, LLC   | OHIO                  | 3,000,000             |
| EERE              | EE0011189           | Base        | UNIVERSITY OF OKLAHOMA   | OKLAHOMA              | 2,272,639             |
| EERE              | EE0011188           | Base        | Chattanooga Area Regional Transportation Authority                           | TENNESSEE             | 3,293,793             |
| EERE              | EE0011187           | Base        | UNIVERSITY OF ALABAMA  | ALABAMA               | 2,831,982             |
| EERE              | EE0011174           | Base        | CLEMSON UNIVERSITY   | SOUTH CAROLINA        | 2,199,984             |
| EERE              | EE0011173           | Base        | CUMMINS INC  | INDIANA               | 2,850,000             |
| EERE              | EE0011172           | Base        | Ricardo Inc  | MICHIGAN              | 4,999,817             |
| EERE              | EE0011171           | Base        | Western Michigan University  | MICHIGAN              | 2,479,219             |
| EERE              | EE0011162           | IJJA        | NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS                               | VIRGINIA              | 5,750,000             |
| EERE              | EE0011138           | Base        | Navistar Inc   | ILLINOIS              | 1,000,000             |
| EERE              | EE0011132           | Base        | NRECA Research   | VIRGINIA              | 2,294,576             |
| EERE              | EE0011105           | Base        | Linde Engineering North America LLC  | TEXAS                 | 5,461,173             |
| EERE              | EE0011083           | IJJA        | Bat Conservation International, Inc.   | TEXAS                 | 2,379,997             |
| EERE              | EE0011076           | IJJA        | International City/County Management Association, The                        | DISTRICT OF COLUMBIA  | 4,251,000             |
| EERE              | EE0011059           | Base        | Ginkgo Bioworks, Inc   | MASSACHUSETTS         | 1,390,144             |
| EERE              | EE0011058           | Base        | RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, THE                | NEW YORK              | 1,999,791             |
| EERE              | EE0011055           | Base        | WASHINGTON STATE UNIVERSITY  | WASHINGTON            | 5,000,000             |
| EERE              | EE0011016           | Base        | University of Texas at Dallas  | TEXAS                 | 2,721,445             |
| EERE              | EE0011008           | Base        | Purdue University  | INDIANA               | 1,999,578             |
| EERE              | EE0011007           | Base        | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY                            | VIRGINIA              | 1,546,750             |
| EERE              | EE0011006           | Base        | Collaborative Composite Solutions Corporation                                | TENNESSEE             | 1,210,000             |
| EERE              | EE0010993           | Base        | QUASAR ENERGY GROUP, LLC   | OHIO                  | 1,900,000             |
| EERE              | EE0010953           | IJJA        | UNIVERSITY OF CINCINNATI   | OHIO                  | 2,880,000             |
| EERE              | EE0010952           | IJJA        | SOUTHEAST ENERGY EFFICIENCY ALLIANCE   | GEORGIA               | 1,600,000             |
| EERE              | EE0010951           | IJJA        | METROPOLITAN ENERGY CENTER INC   | MISSOURI              | 6,800,000             |
| EERE              | EE0010945           | IJJA        | American Society of Heating Refrigerating and Air Conditioning Engineers Inc | GEORGIA               | 2,850,000             |
| EERE              | EE0010941           | IJJA        | Pennsylvania Department of Environmental Protection                          | PENNSYLVANIA          | 3,000,000             |
| EERE              | EE0010938           | IJJA        | Slipstream Group, Inc.   | WISCONSIN             | 3,973,000             |
| EERE              | EE0010937           | IJJA        | American Council for an Energy Efficient Economy                             | DISTRICT OF COLUMBIA  | 9,600,000             |
| EERE              | EE0010935           | IJJA        | INTERNATIONAL CODE COUNCIL INC   | ILLINOIS              | 2,561,075             |
| EERE              | EE0010929           | IJJA        | Institute For Market Transformation, Inc., The                               | DISTRICT OF COLUMBIA  | 5,000,000             |
| EERE              | EE0010870           | Base        | Hertha Metals, Inc.  | TEXAS                 | 1,651,316             |
| EERE              | EE0010863           | Base        | Thar Energy LLC  | PENNSYLVANIA          | 2,395,996             |
| EERE              | EE0010840           | Base        | SIEMENS ENERGY INC   | FLORIDA               | 9,999,889             |
| EERE              | EE0010836           | Base        | UNIVERSITY OF CINCINNATI   | OHIO                  | 2,000,000             |

**RETAIN/MODIFY**

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| EERE              | EE0010829           | IJJA        | University of Louisiana at Lafayette                  | LOUISIANA             | 1,000,000             |
| EERE              | EE0010822           | IJJA        | Red Cloud Renewable                                   | SOUTH DAKOTA          | 1,372,744             |
| EERE              | EE0010653           | IJJA        | Gridbeyond LLC  | TEXAS                 | 2,808,489             |
| EERE              | EE0010628           | Base        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION         | WEST VIRGINIA         | 1,248,451             |
| EERE              | EE0010618           | Base        | Regents of The University of Michigan                 | MICHIGAN              | 1,995,462             |
| EERE              | EE0010608           | Base        | Regents of The University of Michigan                 | MICHIGAN              | 2,500,000             |
| EERE              | EE0010601           | Base        | Regents of The University of Michigan                 | MICHIGAN              | 2,600,247             |
| EERE              | EE0010596           | Base        | GENERAL MOTORS LLC                                    | MICHIGAN              | 7,499,953             |
| EERE              | EE0010497           | IJJA        | GEORGIA TECH RESEARCH CORPORATION                     | GEORGIA               | 1,600,000             |
| EERE              | EE0010441           | Base        | IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY       | IOWA                  | 1,787,299             |
| EERE              | EE0010440           | Base        | OHIO STATE UNIVERSITY, THE                            | OHIO                  | 1,599,730             |
| EERE              | EE0010421           | Base        | NRECA Research  | VIRGINIA              | 2,972,051             |
| EERE              | EE0010319           | Base        | University of Wisconsin System                        | WISCONSIN             | 2,917,614             |
| EERE              | EE0010317           | Base        | University of Central Florida                         | FLORIDA               | 2,699,594             |
| EERE              | EE0010315           | Base        | UNIVERSITY OF FLORIDA                                 | FLORIDA               | 2,181,644             |
| EERE              | EE0009950           | Base        | International City/County Management Association, The | DISTRICT OF COLUMBIA  | 4,850,000             |
| EERE              | EE0009949           | Base        | TDA Research, Inc.                                    | COLORADO              | 35,612                |
| EERE              | EE0009859           | Base        | GENERAL MOTORS LLC                                    | MICHIGAN              | 26,061,726            |
| EERE              | EE0009858           | Base        | FORD MOTOR COMPANY                                    | MICHIGAN              | 28,289,187            |
| EERE              | EE0009857           | Base        | Volvo Technology of America                           | NORTH CAROLINA        | 18,070,333            |
| EERE              | EE0009802           | Base        | Texas Tech University System                          | TEXAS                 | 2,036,276             |
| EERE              | EE0009781           | Base        | Slipstream Group, Inc.                                | WISCONSIN             | 5,179,705             |
| EERE              | EE0009774           | Base        | IBACOS Inc  | PENNSYLVANIA          | 5,784,966             |
| EERE              | EE0009757           | Base        | STATE OF MARYLAND                                     | MARYLAND              | 3,101,360             |
| EERE              | EE0009652           | Base        | CUMMINS INC   | INDIANA               | 4,998,714             |
| EERE              | EE0009636           | Base        | Toshiba International Corporation                     | TEXAS                 | 1,500,000             |
| EERE              | EE0009627           | Base        | NIKOLA CORPORATION                                    | ARIZONA               | 1,370,093             |
| EERE              | EE0009616           | Base        | GENERAL MOTORS LLC                                    | MICHIGAN              | 1,998,642             |
| EERE              | EE0009426           | Base        | UNIVERSITY OF MAINE SYSTEM                            | MAINE                 | 4,800,000             |
| EERE              | EE0009425           | Base        | Kent Houston Offshore Engineering LLC                 | TEXAS                 | 9,525,000             |
| EERE              | EE0009421           | Base        | University of Louisiana at Lafayette                  | LOUISIANA             | 2,450,000             |
| EERE              | EE0009373           | Base        | Silicon Ranch Corporation                             | TENNESSEE             | 3,121,544             |
| EERE              | EE0009337           | Base        | UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE             | NORTH CAROLINA        | 2,873,260             |
| EERE              | EE0009327           | Base        | RE2, Inc.   | PENNSYLVANIA          | 1,905,966             |
| EERE              | EE0009259           | Base        | Global Algae Innovations Inc                          | CALIFORNIA            | 4,000,000             |
| EERE              | EE0009258           | Base        | ALDER ENERGY, LLC                                     | DISTRICT OF COLUMBIA  | 3,506,043             |
| EERE              | EE0009065           | Base        | University of Central Florida                         | FLORIDA               | 4,052,240             |
| EERE              | EE0008851           | Base        | Orlando Utilities Commission                          | FLORIDA               | 4,000,000             |
| EERE              | EE0008819           | Base        | Air Products and Chemicals, Inc.                      | PENNSYLVANIA          | 1,674,100             |
| EERE              | EE0008249           | Base        | Thermochem Recovery International, Inc.               | MARYLAND              | 53,934                |
| EERE              | EE0007969           | Base        | ALOVIAM, INC.   | TEXAS                 | 9,003,632             |
| OCED              | CD0000053           | IJJA        | Delek Carbon Capture Pilot                            | TENNESSEE             | 95,000,000            |
| OCED              | CD0000061           | IJJA        | Native Renewables                                     | ARIZONA               | 8,000,000             |
| OCED              | CD0000062           | IJJA        | Lake & Peninsula                                      | ALASKA                | 7,270,502             |
| OCED              | CD0000063           | IJJA        | Iowa State  | IOWA                  | 9,484,385             |
| OCED              | CD0000064           | IJJA        | Old Harbor  | ALASKA                | 9,993,934             |
| OCED              | CD0000065           | IJJA        | Iowa State  | ARIZONA               | 9,114,064             |
| OCED              | CD0000067           | IJJA        | Wisconsin Sustain                                     | WISCONSIN             | 9,777,127             |
| OCED              | CD0000069           | IJJA        | Dena Nena Henash (dba Tanana Chiefs)                  | ALASKA                | 26,062,370            |
| OCED              | CD0000070           | IJJA        | NW Arctic Bureau                                      | ALASKA                | 54,811,907            |
| OCED              | CD0000072           | IJJA        | Yakama  | WASHINGTON            | 32,000,000            |
| OCED              | CD0000073           | IJJA        | Kootznoowoo   | ALASKA                | 26,919,507            |

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|-------------------|---------------------|-------------|---|-----------------------|-----------------------|
| OCED              | CD0000075           | IIJA        | Bad River   | WISCONSIN             | 14,081,785            |
| OCED              | CD0000087           | IRA         | Golden Aluminum   | COLORADO              | 22,343,545            |
| OCED              | CD0000088           | IRA         | Roanoke Cement  | VIRGINIA              | 61,700,000            |
| OCED              | CD0000092           | IRA         | Cleveland-Cliffs Steel Facility Decarbonization - aka Little Cliffs | OHIO                  | 75,000,000            |
| OCED              | CD0000094           | IRA         | Real Alloy  | OHIO                  | 67,314,320            |
| OCED              | CD0000099           | IRA         | Constellium   | WEST VIRGINIA         | 75,000,000            |
| OCED              | CD0000105           | IRA         | Weiland   | KENTUCKY              | 270,000,000           |
| OCED              | CD0000106           | IRA         | Cleveland Cliffs Hydrogen Furnace - aka Big Cliffs                  | OHIO                  | 500,000,000           |
| OCED              | CD0000111           | IRA         | Century   | ILLINOIS              | 500,000,000           |
| OCED              | CD0000114           | IIJA        | Lewis Ridge Pumped Storage aka Lewis Ridge                          | FLORIDA               | 81,000,000            |
| OCED              | CD0000118           | IIJA        | NW Artic Bureau   | ALASKA                | 2,833,030             |
| OCED              | CD0000119           | IIJA        | Alaska Village aka NW Arctic Bureau                                 | ALASKA                | 4,340,079             |
| OCED              | CD0000120           | IIJA        | Kokhanok  | ALASKA                | 4,969,257             |
| OCED              | CD0000121           | IIJA        | Ouzinkie  | ALASKA                | 2,285,774             |
| OCED              | CD0000122           | IIJA        | Dena Nena Henash (dba Tanana Chiefs)                                | ALASKA                | 5,000,000             |
| OCED              | CD0000123           | IIJA        | Spruce Root   | ALASKA                | 4,213,476             |
| OCED              | CD0000124           | IIJA        | PUD 1 Ferry   | WASHINGTON            | 5,000,000             |
| OCED              | CD0000125           | IIJA        | Pac NW Generating   | OREGON                | 4,970,166             |
| OCED              | CD0000126           | IIJA        | Gunnison County   | COLORADO              | 5,000,000             |
| OCED              | CD0000127           | IIJA        | Navajo Power Home   | ARIZONA               | 4,986,275             |
| OCED              | CD0000128           | IIJA        | NTEC  | NEW MEXICO            | 2,628,914             |
| OCED              | CD0000130           | IIJA        | Choctaw   | OKLAHOMA              | 5,000,000             |
| OCED              | CD0000131           | IIJA        | Adams Electric  | ILLINOIS              | 5,000,000             |
| OCED              | CD0000132           | IIJA        | Path LLC/East Central CC  | TENNESSEE             | 3,988,281             |
| OCED              | CD0000133           | IIJA        | Dallas County   | ALABAMA               | 4,998,413             |
| OCED              | CD0000134           | IIJA        | Cumberland Valley   | KENTUCKY              | 4,953,349             |
| OCED              | CD0000135           | IIJA        | Monagahela  | OHIO                  | 5,000,000             |
| OCED              | CD0000136           | IIJA        | Randolph Electric   | NORTH CAROLINA        | 4,927,000             |
| OCED              | CD0000137           | IIJA        | Maine Community   | MAINE                 | 5,000,000             |
| OCED              | CD0000005           | IIJA        | Duke Energy Indiana, LLC  | INDIANA               | 8,192,430             |
| OCED              | CD0000006           | IIJA        | Entergy Services, LLC   | LOUISIANA             | 9,221,328             |
| OCED              | CD0000007           | IIJA        | Tampa Electric Company  | FLORIDA               | 4,719,722             |
| OCED              | CD0000009           | IIJA        | Heidelberg Materials Us Inc   | TEXAS                 | 4,992,811             |
| OCED              | CD0000010           | IIJA        | Southern States Energy Board  | GEORGIA               | 7,581,354             |
| OCED              | CD0000015           | IIJA        | Membrane Technology and Research, Inc.                              | CALIFORNIA            | 4,652,288             |
| OCED              | CD0000020           | IIJA        | South Texas DAC Hub aka 1P5   | TEXAS                 | 50,000,000            |
| OCED              | CD0000021           | IIJA        | Battelle DAC Hub  | OHIO                  | 50,174,880            |
| OCED              | CD0000028           | IIJA        | WP&L  | IOWA                  | 30,700,000            |
| OCED              | CD0000031           | IIJA        | NextEra   | FLORIDA               | 49,100,000            |
| OCED              | CD0000032           | IIJA        | Dairyland   | WISCONSIN             | 28,091,769            |
| OCED              | CD0000033           | IIJA        | Westinghouse  | PENNSYLVANIA          | 50,000,000            |
| OCED              | CD0000038           | IIJA        | HyVelocity Hydrogen Hub   | VIRGINIA              | 1,200,000,000         |
| OCED              | CD0000039           | IIJA        | Midwest Alliance for Clean Hydrogen (MachH2)                        | MARYLAND              | 1,000,000,000         |
| OCED              | CD0000042           | IIJA        | Heartland   | NORTH DAKOTA          | 925,000,000           |
| OCED              | CD0000043           | IIJA        | ARCH2 aka Battelle H2 Hub   | OHIO                  | 925,000,000           |
| OCED              | CD0000044           | IIJA        | Mid-Atlantic Hydrogen Hub (MACH2)                                   | DELAWARE              | 749,303,257           |
| OCED              | CD0000047           | IIJA        | DCC Project Tundra Carbon Capture                                   | NORTH DAKOTA          | 350,000,000           |
| OCED              | CD0000068           | IIJA        | Efficiency Maine  | MAINE                 | 10,000,000            |
| OCED              | CD0000071           | IIJA        | Community Health  | MARYLAND              | 57,007,365            |
| OCED              | CD0000076           | IIJA        | NRECA   | VIRGINIA              | 45,278,922            |
| OCED              | CD0000089           | IRA         | BASF Decarbonization  | NEW JERSEY            | 75,000,000            |

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| OCED              | CD0000101           | IRA         | Vale Iron Ore Decarbonization                     | DELAWARE                | 282,853,384           |
| OCED              | CD0000112           | IIJA        | Freeport  | ARIZONA                 | 80,000,000            |
| OCED              | CD0000115           | IIJA        | Nicholas County Solar                             | MISSOURI                | 1,910,514             |
| ARPA-E            | AR0001795           | Base        | Perseus Materials                                 | CALIFORNIA              | 498,767               |
| ARPA-E            | AR0001574           | Base        | Makai Ocean Engineering Inc.                      | HAWAII                  | 2,105,454             |
| ARPA-E            | AR0001057           | Base        | University of Illinois                            | ILLINOIS                | 6,056,280             |
| ARPA-E            | AR0001187           | Base        | University of Central Florida                     | FLORIDA                 | 3,471,992             |
| ARPA-E            | AR0001179           | Base        | University of Texas at Dallas                     | TEXAS                   | 7,720,000             |
| MESC              | MS0000001           | IIJA        | Kings Mountain Lithium Materials Processing Plant | NORTH CAROLINA          | 149,658,312           |
| MESC              | MS0000003           | IIJA        | Talon Nickel - Project Double Play                | MINNESOTA               | 114,846,344           |
| MESC              | MS0000005           | IIJA        | Novonix Anode Materials                           | TENNESSEE               | 100,000,000           |
| MESC              | MS0000009           | IIJA        | Mexichem Fluor - LiPF6                            | LOUISIANA               | 100,000,000           |
| MESC              | MS0000010           | IIJA        | AMERICAN BATTERY TECHNOLOGY COMPANY               | NEVADA                  | 57,744,831            |
| MESC              | MS0000014           | IIJA        | Group14 Bam                                       | WASHINGTON              | 100,000,000           |
| MESC              | MS0000019           | IIJA        | Cirba Solutions Battery Recycling Plant           | NORTH CAROLINA          | 74,999,925            |
| MESC              | MS0000021           | IIJA        | 6K Inc.   | MASSACHUSETTS           | 50,000,000            |
| MESC              | MS0000068           | IIJA        | Luxwall Inc.                                      | MICHIGAN                | 31,761,834            |
| MESC              | MS0000069           | IIJA        | Alpen H. GH Permormance Products                  | COLORADO                | 5,906,400             |
| MESC              | MS0000070           | IIJA        | MP Assets - Project Stellar                       | TENNESSEE               | 100,000,000           |
| MESC              | MS0000071           | IIJA        | Boston Electrometallurgical Corp                  | MASSACHUSETTS           | 50,000,000            |
| MESC              | MS0000072           | IIJA        | Corepower Magnetics                               | PENNSYLVANIA            | 19,974,887            |
| MESC              | MS0000099           | IIJA        | SWA Lithium LLC                                   | ARKANSAS                | 225,000,000           |
| MESC              | MS0000100           | IIJA        | TerraVolta Resources LLC                          | TEXAS                   | 225,000,000           |
| MESC              | MS0000101           | IIJA        | REV Nickel  | MICHIGAN                | 145,000,000           |
| MESC              | MS0000102           | IIJA        | South32 Hermosa Project                           | ARIZONA                 | 166,175,802           |
| MESC              | MS0000103           | IIJA        | Project Laver                                     | LOUISIANA               | 166,128,094           |
| MESC              | MS0000104           | IIJA        | AMERICAN BATTERY TECHNOLOGY COMPANY               | NEVADA                  | 143,600,000           |
| MESC              | MS0000106           | IIJA        | Blue Whale Materials                              | DISTRICT OF COLUMBIA    | 55,232,669            |
| MESC              | MS0000107           | IIJA        | GROUP14 TECHNOLOGIES INC                          | WASHINGTON              | 200,000,000           |
| MESC              | MS0000108           | IIJA        | Mitra Future Tech - LFP Cathodes                  | CALIFORNIA              | 100,000,000           |
| MESC              | MS0000111           | IIJA        | Cirba Solutions South Carolina Facility           | NORTH CAROLINA          | 200,000,000           |
| MESC              | MS0000114           | IIJA        | Urbix EV Anode production                         | ARIZONA                 | 124,609,721           |
| MESC              | MS0000115           | IIJA        | Nanograf Corporation                              | ILLINOIS                | 60,000,000            |
| MESC              | MS0000118           | IIJA        | Forge Battery                                     | COLORADO                | 100,000,000           |
| MESC              | MS0000119           | IIJA        | EnerSys Advanced Systems                          | FLORIDA                 | 198,679,760           |
| MESC              | MS0000120           | IIJA        | FORM Factory - RAPID                              | MASSACHUSETTS           | 150,000,000           |
| MESC              | MS0000121           | IIJA        | CABOT CORP  | MASSACHUSETTS           | 50,000,000            |
| MESC              | MS0000122           | IIJA        | Solid Power                                       | COLORADO                | 50,000,000            |
| MESC              | MS0000124           | IIJA        | Infinitum Electric                                | TEXAS                   | 34,390,740            |
| MESC              | MS0000126           | IIJA        | Mainspring Energy                                 | CALIFORNIA              | 87,070,493            |
| MESC              | MS0000127           | IIJA        | Moment Energy                                     | INTERNATIONAL CANADA BC | 20,329,490            |
| MESC              | MS0000130           | IIJA        | Anthro Energy                                     | CALIFORNIA              | 24,980,889            |
| MESC              | MS0000131           | IIJA        | Project 5k  | TEXAS                   | 80,001,256            |
| MESC              | MS0000008           | IIJA        | Solvay Specialty Polymers                         | GEORGIA                 | 178,218,568           |
| MESC              | MS0000059           | IRA         | Ice Air   | NEW YORK                | 17,499,534            |
| MESC              | MS0000061           | IRA         | Hydro-Temp Corporation                            | ARKANSAS                | 10,852,448            |
| MESC              | MS0000062           | IRA         | COPELAND LP                                       | OHIO                    | 11,488,975            |
| MESC              | MS0000063           | IRA         | Honeywell International, Inc.                     | LOUISIANA               | 14,792,351            |
| MESC              | MS0000064           | IRA         | Armstrong International                           | MICHIGAN                | 5,083,719             |
| MESC              | MS0000065           | IRA         | Bard Manufacturing Co.                            | OHIO                    | 9,208,605             |
| MESC              | MS0000066           | IRA         | Melco HVAC  | CALIFORNIA              | 50,000,000            |
| MESC              | MS0000067           | IRA         | Johnson Controls                                  | OHIO                    | 33,067,270            |

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| MESC              | MS0000086           | IRA         | Volvo Tech                    | NORTH CAROLINA        | 208,224,054           |
| MESC              | MS0000088           | IRA         | Harley-Davidson               | WISCONSIN             | 89,000,000            |
| MESC              | MS0000089           | IRA         | Cummins                       | CALIFORNIA            | 74,949,917            |
| MESC              | MS0000090           | IRA         | Blue Bird Body Company        | GEORGIA               | 79,728,146            |
| MESC              | MS0000095           | IRA         | Daikin Comfort Tech           | TEXAS                 | 39,000,000            |
| MESC              | MS0000096           | IRA         | A. O. Smith                   | WISCONSIN             | 25,000,000            |
| MESC              | MS0000098           | IRA         | Modine Manufacturing Co.      | WISCONSIN             | 15,728,109            |
| MESC              | MS0000110           | IIJA        | LI Industries - LPF facility  | NORTH CAROLINA        | 55,243,798            |
| MESC              | MS0000112           | IIJA        | SKI US                        | GEORGIA               | 150,000,000           |
| MESC              | MS0000116           | IIJA        | Honeywell International, Inc. | LOUISIANA             | 123,836,497           |
| MESC              | MS0000129           | IIJA        | Sparkz Inc.                   | CALIFORNIA            | 9,800,000             |
| MESC              | MS0000132           | IIJA        | RG Resource Tech              | MICHIGAN              | 5,077,449             |
| MESC              | MS0000133           | IIJA        | Terra CO2 Technology Holdings | COLORADO              | 52,636,012            |
| MESC              | MS0000135           | IIJA        | Hempitecture                  | IDAHO                 | 8,423,140             |
| MESC              | MS0000155           | IRA         | Mercedes-Benz Vans, LLC       | SOUTH CAROLINA        | 284,991,852           |
| MESC              | MS0000082           | IRA         | Fiat-Chrysler Automotive      | MICHIGAN              | 334,763,050           |
| MESC              | MS0000084           | IRA         | GENERAL MOTORS LLC            | MICHIGAN              | 500,000,000           |
| MESC              | MS0000087           | IRA         | Fiat-Chrysler Automotive      | MICHIGAN              | 249,999,999           |
| MESC              | MS0000125           | IIJA        | TS Conductor                  | CALIFORNIA            | 28,248,485            |