

**U.S. DEPARTMENT OF ENERGY**  
**FY 2009 Statistical Table by Appropriation**  
(dollars in thousands - OMB Scoring)

|  | FY 2007<br>Current<br>Op. Plan | FY 2008<br>Current<br>Approp. | FY 2009<br>Congressional<br>Request | FY 2009 vs. FY 2008 |   |
|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Discretionary Summary By Appropriation**

Energy And Water Development, And Related Agencies

Appropriation Summary:

Energy Programs

|  |   |           |           |          |         |
|--|---|-----------|-----------|----------|---------|
| Energy efficiency and renewable energy.....      | — | 1,722,407 | 1,255,393 | -467,014 | -27.1%  |
| Electricity delivery and energy reliability..... | — | 138,556   | 134,000   | -4,556   | -3.3%   |
| Nuclear energy.....                              | — | 961,665   | 853,644   | -108,021 | -11.2%  |
| Legacy management.....                           | — | 33,872    | —         | -33,872  | -100.0% |

Energy supply and conservation

|  |           |   |   |   |   |
|--|-----------|---|---|---|---|
| Operation and maintenance.....             | 2,056,119 | — | — | — | — |
| Construction.....                          | 89,030    | — | — | — | — |
| Total, Energy supply and conservation..... | 2,145,149 | — | — | — | — |

Fossil energy programs

|   |         |         |         |          |         |
|---|---------|---------|---------|----------|---------|
| Clean coal technology.....                  | —       | -58,000 | —       | +58,000  | +100.0% |
| Fossil energy research and development..... | 580,946 | 742,838 | 754,030 | +11,192  | +1.5%   |
| Naval petroleum and oil shale reserves..... | 21,316  | 20,272  | 19,099  | -1,173   | -5.8%   |
| Strategic petroleum reserve.....            | 164,441 | 186,757 | 344,000 | +157,243 | +84.2%  |
| Northeast home heating oil reserve.....     | 7,966   | 12,335  | 9,800   | -2,535   | -20.6%  |

|                                    |         |         |           |          |        |
|------------------------------------|---------|---------|-----------|----------|--------|
| Total, Fossil energy programs..... | 774,669 | 904,202 | 1,126,929 | +222,727 | +24.6% |
|------------------------------------|---------|---------|-----------|----------|--------|

|  |         |         |         |          |        |
|--|---------|---------|---------|----------|--------|
| Uranium enrichment D&D fund.....       | 556,606 | 622,162 | 480,333 | -141,829 | -22.8% |
| Energy information administration..... | 90,653  | 95,460  | 110,595 | +15,135  | +15.9% |

Non-Defense environmental cleanup

|   |         |         |         |         |        |
|---|---------|---------|---------|---------|--------|
| Operation and maintenance.....                | 255,011 | 182,263 | 213,411 | +31,148 | +17.1% |
| Construction.....                             | 94,676  | —       | —       | —       | —      |
| Total, Non-Defense environmental cleanup..... | 349,687 | 182,263 | 213,411 | +31,148 | +17.1% |

Uranium Sales and Remediation.....

|                                |           |           |           |          |        |
|--------------------------------|-----------|-----------|-----------|----------|--------|
| Science                        |           |           |           |          |        |
| Operation and maintenance..... | 3,670,425 | 3,810,764 | 4,456,488 | +645,724 | +16.9% |
| Construction.....              | 166,188   | 162,378   | 265,481   | +103,103 | +63.5% |
| Total, Science.....            | 3,836,613 | 3,973,142 | 4,721,969 | +748,827 | +18.8% |

|   |           |           |           |          |         |
|---|-----------|-----------|-----------|----------|---------|
| Nuclear waste disposal.....                       | 99,206    | 187,269   | 247,371   | +60,102  | +32.1%  |
| Departmental administration.....                  | 147,943   | 148,415   | 154,827   | +6,412   | +4.3%   |
| Inspector general.....                            | 41,819    | 46,057    | 51,927    | +5,870   | +12.7%  |
| Innovative technology loan guarantee program..... | —         | 4,459     | —         | -4,459   | -100.0% |
| Total, Energy Programs.....                       | 8,042,345 | 9,019,929 | 9,350,399 | +330,470 | +3.7%   |

Atomic Energy Defense Activities

National nuclear security administration:

Weapons activities

|                                |           |           |           |          |       |
|--------------------------------|-----------|-----------|-----------|----------|-------|
| Operation and maintenance..... | 5,832,075 | 5,792,911 | 6,126,057 | +333,146 | +5.8% |
| Construction.....              | 426,508   | 504,555   | 492,022   | -12,533  | -2.5% |
| Total, Weapons activities..... | 6,258,583 | 6,297,466 | 6,618,079 | +320,613 | +5.1% |

Defense nuclear nonproliferation

|  |           |           |           |         |        |
|--|-----------|-----------|-----------|---------|--------|
| Operation and maintenance.....               | 1,505,493 | 1,311,224 | 1,233,901 | -77,323 | -5.9%  |
| Construction.....                            | 318,709   | 24,772    | 13,147    | -11,625 | -46.9% |
| Total, Defense nuclear nonproliferation..... | 1,824,202 | 1,335,996 | 1,247,048 | -88,948 | -6.7%  |

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|   |                                |                               |                                     | \$                  | %             |
| <b>Naval reactors</b>   |                                |                               |                                     |                     |               |
| Operation and maintenance.....  | 779,028                        | 764,777                       | 806,054                             | +41,277             | +5.4%         |
| Construction.....   | 2,772                          | 9,909                         | 22,000                              | +12,091             | +122.0%       |
| Total, Naval reactors.....  | <b>781,800</b>                 | <b>774,686</b>                | <b>828,054</b>                      | <b>+53,368</b>      | <b>+6.9%</b>  |
| Office of the administrator.....  | 358,291                        | 402,137                       | 404,081                             | +1,944              | +0.5%         |
| <b>Total, National nuclear security administration.....</b>             | <b>9,222,876</b>               | <b>8,810,285</b>              | <b>9,097,262</b>                    | <b>+286,977</b>     | <b>+3.3%</b>  |
| <b>Environmental and other defense activities:</b>                      |                                |                               |                                     |                     |               |
| Defense environmental cleanup   |                                |                               |                                     |                     |               |
| Operation and maintenance.....  | 4,903,009                      | 4,444,829                     | 4,391,000                           | -53,829             | -1.2%         |
| Construction.....   | 828,231                        | 904,496                       | 906,256                             | +1,760              | +0.2%         |
| Total, Defense environmental cleanup.....                               | <b>5,731,240</b>               | <b>5,349,325</b>              | <b>5,297,256</b>                    | <b>-52,069</b>      | <b>-1.0%</b>  |
| Other defense activities.....   | 636,271                        | 754,359                       | 1,313,461                           | +559,102            | +74.1%        |
| Defense nuclear waste disposal.....                                     | 346,500                        | 199,171                       | 247,371                             | +48,200             | +24.2%        |
| <b>Total, Environmental &amp; other defense activities.....</b>         | <b>6,714,011</b>               | <b>6,302,855</b>              | <b>6,858,088</b>                    | <b>+555,233</b>     | <b>+8.8%</b>  |
| <b>Total, Atomic Energy Defense Activities.....</b>                     | <b>15,936,887</b>              | <b>15,113,140</b>             | <b>15,955,350</b>                   | <b>+842,210</b>     | <b>+5.6%</b>  |
| <b>Power marketing administrations:</b>                                 |                                |                               |                                     |                     |               |
| Southeastern power administration.....                                  | 5,602                          | 6,404                         | 7,420                               | +1,016              | +15.9%        |
| Southwestern power administration.....                                  | 29,998                         | 30,165                        | 28,414                              | -1,751              | -5.8%         |
| Western area power administration.....                                  | 232,326                        | 228,907                       | 193,346                             | -35,561             | -15.5%        |
| Falcon & Amistad operating & maintenance fund.....                      | 2,665                          | 2,477                         | 2,959                               | +482                | +19.5%        |
| Colorado River Basins.....  | —                              | -23,000                       | -23,000                             | —                   | —             |
| <b>Total, Power marketing administrations.....</b>                      | <b>270,591</b>                 | <b>244,953</b>                | <b>209,139</b>                      | <b>-35,814</b>      | <b>-14.6%</b> |
| Federal energy regulatory commission.....                               | —                              | —                             | —                                   | —                   | —             |
| <b>Subtotal, Energy And Water Development and Related Agencies.....</b> | <b>24,249,823</b>              | <b>24,378,022</b>             | <b>25,514,888</b>                   | <b>+1,136,866</b>   | <b>+4.7%</b>  |
| Uranium enrichment D&D fund discretionary payments.....                 | -452,000                       | -458,787                      | -463,000                            | -4,213              | -0.9%         |
| Excess fees and recoveries, FERC.....                                   | -43,595                        | -34,411                       | -36,932                             | -2,521              | -7.3%         |
| <b>Total, Discretionary Funding.....</b>                                | <b>23,754,228</b>              | <b>23,884,824</b>             | <b>25,014,956</b>                   | <b>+1,130,132</b>   | <b>+4.7%</b>  |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Mandatory Funding**

Bonneville power administration

|   |            |            |            |          |        |
|---|------------|------------|------------|----------|--------|
| New borrowing authority.....                        | 315,000    | 434,000    | 288,000    | -146,000 | -33.6% |
| Transfer to the corps.....                          | -74,000    | —          | —          | —        | —      |
| Contract authority.....                             | 692,000    | —          | —          | —        | —      |
| Spending authority from offsetting collections..... | 2,387,000  | 2,885,000  | 3,273,000  | +388,000 | +13.4% |
| Offsetting collections.....                         | -3,321,000 | -3,293,000 | -3,549,000 | -256,000 | -7.8%  |
| Change in uncollected customer payments.....        | 63,000     | —          | —          | —        | —      |

|   |        |        |        |         |        |
|---|--------|--------|--------|---------|--------|
| Total, Bonneville power administration..... | 62,000 | 26,000 | 12,000 | -14,000 | -53.8% |
|---|--------|--------|--------|---------|--------|

|                          |       |       |       |   |   |
|--------------------------|-------|-------|-------|---|---|
| WAPA emergency fund..... | 500   | 500   | 500   | — | — |
| Payments to states.....  | 3,000 | 3,000 | 3,000 | — | — |

Spectrum relocation activities

Power marketing administrations

|   |         |   |   |   |   |
|---|---------|---|---|---|---|
| Western power administration.....           | 108,202 | — | — | — | — |
| Southwestern power administration.....      | 8,091   | — | — | — | — |
| Bonneville power administration.....        | 48,677  | — | — | — | — |
| Total, Power marketing administrations..... | 164,970 | — | — | — | — |

|  |         |   |   |   |   |
|--|---------|---|---|---|---|
| National Nuclear Security Administration   |         |   |   |   |   |
| Office of the administrator.....           | 10,900  | — | — | — | — |
| Departmental Administration                |         |   |   |   |   |
| Chief information officer.....             | 1,000   | — | — | — | — |
| Total, Spectrum relocation activities..... | 176,870 | — | — | — | — |

Ultra-deepwater unconv. natural gas & other petro.

|   |         |         |         |         |     |
|---|---------|---------|---------|---------|-----|
| Ultra-deepwater unconv.natural gas & other petro.....   | 50,000  | 50,000  | 50,000  | —       | —   |
| Receipts Ultra-deepwater unconv. natural gas.....       | -50,000 | -50,000 | -50,000 | —       | —   |
| Repeal Ultra-deepwater unconv. nat. gas & other.....    | —       | —       | -50,000 | -50,000 | N/A |
| Repeal Receipts Ultra-deepwater unconv.natural gas..... | —       | —       | 50,000  | +50,000 | N/A |
| Total, Ultra-deepwater unconv. natural gas & other..... | —       | —       | —       | —       | —   |

Deductions for offsetting receipts

Intrafund transaction - earnings on investments

|   |          |            |            |          |       |
|---|----------|------------|------------|----------|-------|
| Nuclear waste disposal fund.....              | -795,122 | -1,072,000 | -1,173,000 | -101,000 | -9.4% |
| Decontamination and decommissioning fund..... | -196,053 | -220,000   | -227,193   | -7,193   | -3.3% |
| Total, Intrafund transactions.....            | -991,175 | -1,292,000 | -1,400,193 | -108,193 | -8.4% |

Proprietary receipts from the public

|  |          |          |          |        |        |
|--|----------|----------|----------|--------|--------|
| Oil and gas sale proceeds at the NPRs..... | -6,105   | -9,469   | -6,000   | +3,469 | +36.6% |
| Nuclear waste fund.....                    | -754,202 | -766,000 | -764,000 | +2,000 | +0.3%  |

Power marketing administrations

Bonneville power administration

|  |         |         |         |         |        |
|--|---------|---------|---------|---------|--------|
| Repayments on misc. recoverable costs.....     | -24,000 | -18,000 | -31,000 | -13,000 | -72.2% |
| Sale of electric energy, reclamation fund..... | -32,000 | -34,000 | -38,000 | -4,000  | -11.8% |
| Total, Bonneville power administration.....    | -56,000 | -52,000 | -69,000 | -17,000 | -32.7% |

Southeastern power administration

|   |          |          |          |         |         |
|---|----------|----------|----------|---------|---------|
| Sale and transmission of electric energy..... | -125,427 | -166,704 | -166,146 | +558    | +0.3%   |
| Deposits from sale and transmission of        |          |          |          |         |         |
| electric energy, SEPA.....                    | -35,969  | -11,901  | 500      | +12,401 | +104.2% |

    Continuing fund.....

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|---|--------------------------------|-------------------------------|-------------------------------------|--------------------------|---------------------|
|   |                                |                               |                                     | \$                       | %                   |
| <b>Southwestern power administration</b>                            |                                |                               |                                     |                          |                     |
| Sale and transmission of electric energy.....                       | -98,578                        | -83,900                       | -95,700                             | -11,800                  | -14.1%              |
| Deposits from sale and transmission of<br>electric energy SWPA..... | —                              | —                             | —                                   | —                        | —                   |
| Continuing fund.....  | —                              | 300                           | 300                                 | —                        | —                   |
| <b>Western area power administration</b>                            |                                |                               |                                     |                          |                     |
| Sale of power & other utilities                                     |                                |                               |                                     |                          |                     |
| Reclamation fund.....   | -143,823                       | -199,967                      | -123,776                            | +76,191                  | +38.1%              |
| Sale of Power not otherwise classified.....                         | -14,599                        | -30,000                       | -30,000                             | —                        | —                   |
| Total, Sale of power & other utilities.....                         | <b>-158,422</b>                | <b>-229,967</b>               | <b>-153,776</b>                     | <b>+76,191</b>           | <b>+33.1%</b>       |
| <b>Falcon &amp; Amistad</b>   |                                |                               |                                     |                          |                     |
| Sale and Transmission of Elect. Falcon dam.....                     | -1,800                         | -2,372                        | -2,000                              | +372                     | +15.7%              |
| Falcon & Amistad O&M fund.....                                      | -3,088                         | -2,500                        | -3,000                              | -500                     | -20.0%              |
| Total, Falcon & Amistad.....  | <b>-4,888</b>                  | <b>-4,872</b>                 | <b>-5,000</b>                       | <b>-128</b>              | <b>-2.6%</b>        |
| Total, Western area power administration.....                       | <b>-163,310</b>                | <b>-234,839</b>               | <b>-158,776</b>                     | <b>+76,063</b>           | <b>+32.4%</b>       |
| Total, Power marketing administrations.....                         | <b>-443,265</b>                | <b>-548,994</b>               | <b>-488,772</b>                     | <b>+60,222</b>           | <b>+11.0%</b>       |
| Total, Proprietary receipts from the public.....                    | <b>-1,203,572</b>              | <b>-1,324,463</b>             | <b>-1,258,772</b>                   | <b>+65,691</b>           | <b>+5.0%</b>        |
| Total, Deductions for offsetting receipts.....                      | <b>-2,194,747</b>              | <b>-2,616,463</b>             | <b>-2,658,965</b>                   | <b>-42,502</b>           | <b>-1.6%</b>        |
| <b>Total, Mandatory Funding</b> .....                               | <b><u>-1,952,377</u></b>       | <b><u>-2,586,963</u></b>      | <b><u>-2,643,465</u></b>            | <b><u>-56,502</u></b>    | <b><u>-2.2%</u></b> |
| <b>Total, Department Of Energy</b> .....                            | <b><u>21,801,851</u></b>       | <b><u>21,297,861</u></b>      | <b><u>22,371,491</u></b>            | <b><u>+1,073,630</u></b> | <b><u>+5.0%</u></b> |

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|  |                                |                               |                                     | \$                  | % |

**Energy Efficiency And Renewable Energy**

|   |          |                  |                  |                 |               |
|---|----------|------------------|------------------|-----------------|---------------|
| Energy Efficiency and Renewable Energy                      |          |                  |                  |                 |               |
| Hydrogen technology   |          |                  |                  |                 |               |
| Hydrogen technology.....                                    | —        | 211,062          | 146,213          | -64,849         | -30.7%        |
| Biomass and biorefinery systems R&D                         |          |                  |                  |                 |               |
| Research and development.....                               | —        | 198,180          | 225,000          | +26,820         | +13.5%        |
| Solar energy.....   | —        | 168,453          | 156,120          | -12,333         | -7.3%         |
| Wind energy.....  | —        | 49,545           | 52,500           | +2,955          | +6.0%         |
| Geothermal technology.....                                  | —        | 19,818           | 30,000           | +10,182         | +51.4%        |
| Water power.....  | —        | 9,909            | 3,000            | -6,909          | -69.7%        |
| Vehicle technologies.....                                   | —        | 213,043          | 221,086          | +8,043          | +3.8%         |
| Building technologies.....                                  | —        | 108,999          | 123,765          | +14,766         | +13.5%        |
| Industrial technologies.....                                | —        | 64,408           | 62,119           | -2,289          | -3.6%         |
| Federal Energy Management Program                           |          |                  |                  |                 |               |
| Federal energy management program.....                      | —        | 19,818           | 22,000           | +2,182          | +11.0%        |
| Facilities and infrastructure                               |          |                  |                  |                 |               |
| National renewable energy laboratory                        |          |                  |                  |                 |               |
| Operation and maintenance.....                              | —        | 6,918            | 9,982            | +3,064          | +44.3%        |
| NREL Solar equipment recapitalization.....                  | —        | 7,927            | —                | -7,927          | -100.0%       |
| Construction:   |          |                  |                  |                 |               |
| 08-EE-02 NREL South-table mountain infrastructure.....      | —        | 6,831            | —                | -6,831          | -100.0%       |
| 08-EE-01 NREL energy systems integration facility.....      | —        | 54,500           | 4,000            | -50,500         | -92.7%        |
| Total, Construction.....                                    | —        | 61,331           | 4,000            | -57,331         | -93.5%        |
| Total, Facilities and infrastructure.....                   | —        | 76,176           | 13,982           | -62,194         | -81.6%        |
| Weatherization and intergovernmental activities             |          |                  |                  |                 |               |
| Weatherization assistance grants                            |          |                  |                  |                 |               |
| Weatherization assistance.....                              | —        | 222,713          | —                | -222,713        | -100.0%       |
| Training and technical assistance.....                      | —        | 4,509            | —                | -4,509          | -100.0%       |
| Total, Weatherization assistance grants.....                | —        | 227,222          | —                | -227,222        | -100.0%       |
| State energy program grants.....                            | —        | 44,095           | 50,000           | +5,905          | +13.4%        |
| International renewable energy program.....                 | —        | —                | —                | —               | —             |
| Tribal energy activities.....                               | —        | 5,945            | 1,000            | -4,945          | -83.2%        |
| Renewable energy production incentive.....                  | —        | 4,955            | —                | -4,955          | -100.0%       |
| Asia pacific.....   | —        | —                | 7,500            | +7,500          | N/A           |
| Total, Weatherization and intergovernmental activities..... | —        | 282,217          | 58,500           | -223,717        | -79.3%        |
| Program direction.....                                      | —        | 104,057          | 121,846          | +17,789         | +17.1%        |
| Program support.....  | —        | 10,801           | 20,000           | +9,199          | +85.2%        |
| Congressionally directed projects.....                      | —        | 186,664          | —                | -186,664        | -100.0%       |
| Use of prior year balances (EE).....                        | —        | -743             | -738             | +5              | +0.7%         |
| <b>Total, Energy Efficiency And Renewable Energy.....</b>   | <b>—</b> | <b>1,722,407</b> | <b>1,255,393</b> | <b>-467,014</b> | <b>-27.1%</b> |

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### **Electricity Delivery & Energy Reliability**

|  |          |                |                |               |              |
|--|----------|----------------|----------------|---------------|--------------|
| Electricity Delivery & Energy Reliability                        |          |                |                |               |              |
| Research and development   |          |                |                |               |              |
| High temperature superconductivity R&D.....                      | —        | 27,930         | 28,186         | +256          | +0.9%        |
| Visualization and controls.....                                  | —        | 25,075         | 25,305         | +230          | +0.9%        |
| Energy storage and power electronics.....                        | —        | 6,741          | 13,403         | +6,662        | +98.8%       |
| Distributed systems integration.....                             | —        | 25,466         | 33,306         | +7,840        | +30.8%       |
| Congressionally directed projects.....                           | —        | 24,290         | —              | -24,290       | -100.0%      |
| Total, Research and development.....                             | —        | 109,502        | 100,200        | -9,302        | -8.5%        |
| Operations and analysis.....                                     | —        | 11,451         | 14,122         | +2,671        | +23.3%       |
| Program direction.....   | —        | 17,603         | 19,678         | +2,075        | +11.8%       |
| Subtotal, Electricity Delivery & Energy Reliability.....         | —        | 138,556        | 134,000        | -4,556        | -3.3%        |
| <b>Total, Electricity Delivery &amp; Energy Reliability.....</b> | <b>—</b> | <b>138,556</b> | <b>134,000</b> | <b>-4,556</b> | <b>-3.3%</b> |

### **Nuclear Energy**

|  |          |                |                |                 |               |
|--|----------|----------------|----------------|-----------------|---------------|
| Research and development                             |          |                |                |                 |               |
| Nuclear power 2010.....                              | —        | 133,771        | 241,600        | +107,829        | +80.6%        |
| Generation IV nuclear energy systems initiative..... | —        | 114,917        | 70,000         | -44,917         | -39.1%        |
| Nuclear hydrogen initiative.....                     | —        | 9,909          | 16,600         | +6,691          | +67.5%        |
| Advanced fuel cycle initiative.....                  | —        | —              | 301,500        | +301,500        | N/A           |
| Total, Research and development.....                 | —        | 258,597        | 629,700        | +371,103        | +143.5%       |
| Fuel cycle research and facilities                   |          |                |                |                 |               |
| Advanced fuel cycle initiative.....                  | —        | 179,353        | —              | -179,353        | -100.0%       |
| MOX fuel fabrication facilities                      |          |                |                |                 |               |
| MOX construction.....                                | —        | 231,721        | —              | -231,721        | -100.0%       |
| MOX other project costs.....                         | —        | 47,068         | —              | -47,068         | -100.0%       |
| Total, MOX fuel fabrication facilities.....          | —        | 278,789        | —              | -278,789        | -100.0%       |
| Total, Fuel cycle research and facilities.....       | —        | 458,142        | —              | -458,142        | -100.0%       |
| Infrastructure                                       |          |                |                |                 |               |
| Radiological facilities management                   |          |                |                |                 |               |
| Space and defense infrastructure.....                | —        | 30,371         | 35,000         | +4,629          | +15.2%        |
| Medical isotopes infrastructure                      |          |                |                |                 |               |
| Medical isotopes infrastructure.....                 | —        | 14,828         | —              | -14,828         | -100.0%       |
| Research reactor infrastructure.....                 | —        | 2,920          | 3,700          | +780            | +26.7%        |
| Total, Radiological facilities management.....       | —        | 48,119         | 38,700         | -9,419          | -19.6%        |
| Idaho facilities management                          |          |                |                |                 |               |
| INL infrastructure                                   |          |                |                |                 |               |
| INL operations and infrastructure.....               | —        | 115,935        | 104,700        | -11,235         | -9.7%         |
| Idaho sitewide safeguards and security.....          | —        | 75,261         | —              | -75,261         | -100.0%       |
| Total, Infrastructure.....                           | —        | 239,315        | 143,400        | -95,915         | -40.1%        |
| Program direction.....                               | —        | 80,872         | 80,544         | -328            | -0.4%         |
| Subtotal, Nuclear Energy.....                        | —        | 1,036,926      | 853,644        | -183,282        | -17.7%        |
| Adjustments:   |          |                |                |                 |               |
| Funding from other defense activities.....           | —        | -75,261        | —              | +75,261         | +100.0%       |
| Total, Adjustments.....                              | —        | -75,261        | —              | +75,261         | +100.0%       |
| <b>Total, Nuclear Energy.....</b>                    | <b>—</b> | <b>961,665</b> | <b>853,644</b> | <b>-108,021</b> | <b>-11.2%</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Legacy Management**

Office of Legacy Management

|                                      |          |               |          |                |                |
|--------------------------------------|----------|---------------|----------|----------------|----------------|
| Legacy management.....               | —        | 33,872        | —        | -33,872        | -100.0%        |
| <b>Total, Legacy Management.....</b> | <b>—</b> | <b>33,872</b> | <b>—</b> | <b>-33,872</b> | <b>-100.0%</b> |

**Energy Supply And Conservation**

Energy Efficiency and Renewable Energy

|                                     |         |   |   |   |   |
|-------------------------------------|---------|---|---|---|---|
| Hydrogen technology.....            | 189,511 | — | — | — | — |
| Biomass and biorefinery systems R&D |         |   |   |   |   |
| Research and development.....       | 196,277 | — | — | — | — |
| Solar energy.....                   | 157,028 | — | — | — | — |
| Wind energy.....                    | 48,659  | — | — | — | — |
| Geothermal technology.....          | 5,000   | — | — | — | — |
| Vehicle technologies.....           | 183,580 | — | — | — | — |
| Building technologies.....          | 102,983 | — | — | — | — |
| Industrial technologies.....        | 55,763  | — | — | — | — |

Federal Energy Management Program

|  |        |   |   |   |   |
|--|--------|---|---|---|---|
| Federal energy management program..... | 19,480 | — | — | — | — |
|--|--------|---|---|---|---|

Facilities and infrastructure

|  |                |          |          |          |          |
|--|----------------|----------|----------|----------|----------|
| National renewable energy laboratory   |                |          |          |          |          |
| Operation and maintenance.....   | 24,035         | —        | —        | —        | —        |
| Construction:  |                |          |          |          |          |
| 07-EE-01 Integrated biorefinery research facility, National renewable energy laboratory, Golden, CO..... | 20,000         | —        | —        | —        | —        |
| 06-EE-01 Research support facility Project-1 National renewal energy laboratory, Golden, CO.....         | 63,000         | —        | —        | —        | —        |
| <b>Total, Construction.....</b>  | <b>83,000</b>  | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |
| <b>Total, Facilities and infrastructure.....</b>   | <b>107,035</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |

Weatherization and intergovernmental activities

|  |                  |          |          |          |          |
|--|------------------|----------|----------|----------|----------|
| Weatherization assistance grants                                   |                  |          |          |          |          |
| Weatherization assistance.....                                     | 200,000          | —        | —        | —        | —        |
| Training and technical assistance.....                             | 4,550            | —        | —        | —        | —        |
| <b>Total, Weatherization assistance grants.....</b>                | <b>204,550</b>   | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |
| State energy program grants.....                                   | 49,457           | —        | —        | —        | —        |
| State energy activities.....                                       | 9,348            | —        | —        | —        | —        |
| International renewable energy program.....                        | 9,473            | —        | —        | —        | —        |
| Tribal energy activities.....                                      | 3,957            | —        | —        | —        | —        |
| Renewable energy production incentive.....                         | 4,946            | —        | —        | —        | —        |
| <b>Total, Weatherization and intergovernmental activities.....</b> | <b>281,731</b>   | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |
| Program direction.....   | 99,264           | —        | —        | —        | —        |
| Program support.....   | 10,930           | —        | —        | —        | —        |
| <b>Total, Energy Efficiency and Renewable Energy.....</b>          | <b>1,457,241</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Electricity Delivery & Energy Reliability**

Research and development

|  |                |   |   |   |   |
|--|----------------|---|---|---|---|
| High temperature superconductivity R&D.....                      | 45,750         | — | — | — | — |
| Transmission reliability R&D.....                                | —              | — | — | — | — |
| Visualization and controls.....                                  | 24,388         | — | — | — | — |
| Energy storage and power electronics.....                        | 2,823          | — | — | — | — |
| Distributed systems integration.....                             | 23,545         | — | — | — | — |
| Total, Research and development.....                             | 96,506         | — | — | — | — |
| Operations and analysis.....                                     | 20,500         | — | — | — | — |
| Program direction.....   | 17,357         | — | — | — | — |
| <b>Total, Electricity Delivery &amp; Energy Reliability.....</b> | <b>134,363</b> | — | — | — | — |

**Nuclear Energy**

University reactor infrastructure and education assistance.....

|   |                |   |   |   |   |
|---|----------------|---|---|---|---|
| University reactor infrastructure and education assistance..... | 16,547         | — | — | — | — |
| Research and development  |                |   |   |   |   |
| Nuclear power 2010.....   | 80,291         | — | — | — | — |
| Generation IV nuclear energy systems initiative.....            | 35,214         | — | — | — | — |
| Nuclear hydrogen initiative.....                                | 18,855         | — | — | — | — |
| Advanced fuel cycle initiative.....                             | 166,092        | — | — | — | — |
| <b>Total, Research and development.....</b>                     | <b>300,452</b> | — | — | — | — |

**Infrastructure**

Radiological facilities management

|   |               |   |   |   |   |
|---|---------------|---|---|---|---|
| Space and defense infrastructure.....                 | 30,650        | — | — | — | — |
| Medical isotopes infrastructure                       |               |   |   |   |   |
| Medical isotopes infrastructure.....                  | 15,634        | — | — | — | — |
| Enrichment facility infrastructure.....               | 491           | — | — | — | — |
| <b>Total, Radiological facilities management.....</b> | <b>46,775</b> | — | — | — | — |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|----------------|
|  |                                |                               | \$                                  | %                   |                |
| <b>Idaho facilities management</b>   |                                |                               |                                     |                     |                |
| INL infrastructure   |                                |                               |                                     |                     |                |
| INL operations and infrastructure.....   | 107,693                        | —                             | —                                   | —                   |                |
| Construction:  |                                |                               |                                     |                     |                |
| 06-E-200 Project engineering and design<br>(PED), Idaho National Laboratory, ID..... | 6,030                          | —                             | —                                   | —                   |                |
| Total, Construction.....   | 6,030                          | —                             | —                                   | —                   |                |
| Total, INL infrastructure.....   | 113,723                        | —                             | —                                   | —                   |                |
| Total, Idaho facilities management.....  | 113,723                        | —                             | —                                   | —                   |                |
| <b>Idaho statewide safeguards and security</b>                                       |                                |                               |                                     |                     |                |
| Idaho statewide safeguards and security.....   | 75,919                         | —                             | —                                   | —                   |                |
| Total, Infrastructure.....   | 236,417                        | —                             | —                                   | —                   |                |
| <b>Program direction</b>   |                                |                               |                                     |                     |                |
| Program direction.....   | 62,600                         | —                             | —                                   | —                   |                |
| Transfer from state department.....  | 12,500                         | —                             | —                                   | —                   |                |
| Total, Nuclear Energy.....   | 628,516                        | —                             | —                                   | —                   |                |
| <b>Environment, Safety and Health</b>  |                                |                               |                                     |                     |                |
| Office of environment, safety and<br>health (non-defense).....                       | 7,848                          | —                             | —                                   | —                   |                |
| Program direction.....   | 19,993                         | —                             | —                                   | —                   |                |
| Total, Environment, Safety and Health.....   | 27,841                         | —                             | —                                   | —                   |                |
| <b>Office of Legacy Management</b>   |                                |                               |                                     |                     |                |
| Legacy management.....   | 33,187                         | —                             | —                                   | —                   |                |
| Subtotal, Energy Supply and Conservation.....  | 2,281,148                      | —                             | —                                   | —                   |                |
| Use of prior year balances.....  | —                              | —                             | —                                   | —                   |                |
| Funding from other defense activities.....   | -122,634                       | —                             | —                                   | —                   |                |
| Funding from Naval Reactors.....   | -13,365                        | —                             | —                                   | —                   |                |
| <b>Total, Energy Supply And Conservation.....</b>                                    | <b>2,145,149</b>               | —                             | —                                   | —                   |                |
| <b>Clean Coal Technology</b>   |                                |                               |                                     |                     |                |
| Deferral of unobligated balances, FY 2008.....                                       | -257,000                       | 257,000                       | —                                   | -257,000            | -100.0%        |
| Deferral of unobligated balances, FY 2009.....                                       | —                              | -149,000                      | 149,000                             | +298,000            | +200.0%        |
| Deferral of unobligated balances, FY 2007.....                                       | 257,000                        | —                             | —                                   | —                   | —              |
| Transfer to Fossil R&D (CCPI).....   | —                              | -70,000                       | —                                   | +70,000             | +100.0%        |
| Transfer to Fossil R&D (FutureGen).....  | —                              | -75,000                       | -149,000                            | -74,000             | -98.7%         |
| Transfer to Fossil R&D (F&PS).....   | —                              | -21,000                       | —                                   | +21,000             | +100.0%        |
| <b>Total, Clean Coal Technology.....</b>   | <b>—</b>                       | <b>-58,000</b>                | —                                   | <b>+58,000</b>      | <b>+100.0%</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Fossil Energy Research And Development**

Coal

|   |                |                |                |                |              |
|---|----------------|----------------|----------------|----------------|--------------|
| Clean coal power initiative.....                          | 58,758         | 69,363         | 85,000         | +15,637        | +22.5%       |
| FutureGen.....  | 52,504         | 74,317         | 156,000        | +81,683        | +109.9%      |
| Fuels and power systems                                   |                |                |                |                |              |
| Innovations for existing plants.....                      | 15,626         | 36,081         | 40,000         | +3,919         | +10.9%       |
| Advanced integrated gasification combined cycle.....      | 55,468         | 53,509         | 69,000         | +15,491        | +29.0%       |
| Advanced turbines.....                                    | 19,475         | 23,782         | 28,000         | +4,218         | +17.7%       |
| Carbon sequestration.....                                 | 97,228         | 118,908        | 149,132        | +30,224        | +25.4%       |
| Fuels.....  | 21,513         | 24,773         | 10,000         | -14,773        | -59.6%       |
| Fuels cells.....  | 61,653         | 55,490         | 60,000         | +4,510         | +8.1%        |
| Advanced research.....                                    | 32,213         | 37,159         | 26,600         | -10,559        | -28.4%       |
| Total, Fuels and power systems.....                       | 303,176        | 349,702        | 382,732        | +33,030        | +9.4%        |
| Total, Coal.....  | 414,438        | 493,382        | 623,732        | +130,350       | +26.4%       |
| Natural gas technologies.....                             | 11,709         | 19,818         | —              | -19,818        | -100.0%      |
| Petroleum - Oil technologies.....                         | 2,625          | 4,954          | —              | -4,954         | -100.0%      |
| Program direction.....                                    | 129,803        | 148,597        | 126,252        | -22,345        | -15.0%       |
| Plant and capital equipment.....                          | 12,000         | 12,882         | 5,000          | -7,882         | -61.2%       |
| Fossil energy environmental restoration.....              | 9,715          | 9,483          | 9,700          | +217           | +2.3%        |
| Special recruitment programs.....                         | 656            | 650            | 656            | +6             | +0.9%        |
| Cooperative research and development.....                 | —              | 4,954          | —              | -4,954         | -100.0%      |
| Congressionally directed projects.....                    | —              | 48,118         | —              | -48,118        | -100.0%      |
| Use of prior year balances.....                           | —              | —              | -11,310        | -11,310        | N/A          |
| <b>Total, Fossil Energy Research And Development.....</b> | <b>580,946</b> | <b>742,838</b> | <b>754,030</b> | <b>+11,192</b> | <b>+1.5%</b> |

**Naval Petroleum & Oil Shale Reserves**

|   |               |               |               |               |              |
|---|---------------|---------------|---------------|---------------|--------------|
| Naval petroleum & oil shale reserves.....                   | 21,316        | 20,272        | 19,099        | -1,173        | -5.8%        |
| <b>Total, Naval Petroleum &amp; Oil Shale Reserves.....</b> | <b>21,316</b> | <b>20,272</b> | <b>19,099</b> | <b>-1,173</b> | <b>-5.8%</b> |

**Strategic Petroleum Reserve**

SPR - Facilities development

|   |                |                |                |                 |               |
|---|----------------|----------------|----------------|-----------------|---------------|
| Storage facilities development.....             | 146,950        | 186,757        | 156,699        | -30,058         | -16.1%        |
| Expansion.....                                  | —              | —              | 169,710        | +169,710        | N/A           |
| Management for SPR expansion.....               | —              | —              | 1,690          | +1,690          | N/A           |
| Management for SPR operations.....              | 17,491         | —              | 18,824         | +18,824         | N/A           |
| Use of prior year balances.....                 | —              | —              | -2,923         | -2,923          | N/A           |
| <b>Total, SPR - Facilities development.....</b> | <b>164,441</b> | <b>186,757</b> | <b>344,000</b> | <b>+157,243</b> | <b>+84.2%</b> |

**Northeast Home Heating Oil Reserve**

|  |                |                |                |                 |               |
|--|----------------|----------------|----------------|-----------------|---------------|
| Northeast home heating oil reserve.....                  | 5,000          | 12,335         | 9,800          | -2,535          | -20.6%        |
| Receipts from the sale of NEHHOR.....                    | 2,966          | —              | —              | —               | —             |
| Transfer from balances.....                              | 1,734          | —              | —              | —               | —             |
| <b>Subtotal, Northeast Home Heating Oil Reserve.....</b> | <b>9,700</b>   | <b>12,335</b>  | <b>9,800</b>   | <b>-2,535</b>   | <b>-20.6%</b> |
| Use of prior year balances.....                          | -1,734         | —              | —              | —               | —             |
| <b>Total, Northeast Home Heating Oil Reserve.....</b>    | <b>7,966</b>   | <b>12,335</b>  | <b>9,800</b>   | <b>-2,535</b>   | <b>-20.6%</b> |
| <b>Total, Strategic Petroleum Reserve.....</b>           | <b>172,407</b> | <b>199,092</b> | <b>353,800</b> | <b>+154,708</b> | <b>+77.7%</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Uranium Enrichment Decontamination And Decommissioning Fund**

|  |                |                |                |                 |               |
|--|----------------|----------------|----------------|-----------------|---------------|
| Decontamination and decommissioning.....           | 536,806        | 602,344        | 480,333        | -122,011        | -20.3%        |
| Uranium/thorium reimbursement.....                 | 19,800         | 19,818         | —              | -19,818         | -100.0%       |
| <b>Total, Uranium Enrichment D&amp;D Fund.....</b> | <b>556,606</b> | <b>622,162</b> | <b>480,333</b> | <b>-141,829</b> | <b>-22.8%</b> |

**Energy Information Administration**

|   |        |        |         |         |        |
|---|--------|--------|---------|---------|--------|
| National energy information system..... | 90,653 | 95,460 | 110,595 | +15,135 | +15.9% |
|---|--------|--------|---------|---------|--------|

**Non-Defense Environmental Cleanup**

|   |        |        |        |         |         |
|---|--------|--------|--------|---------|---------|
| West Valley demonstration project.....                  | 87,591 | 53,900 | 57,600 | +3,700  | +6.9%   |
| Gaseous diffusion plants.....                           | 27,363 | 37,773 | 81,296 | +43,523 | +115.2% |
| Depleted uranium hexafluoride conversion, 02-U-101..... | 94,676 | —      | —      | —       | —       |
| Fast flux test reactor facility (WA).....               | 34,843 | 10,248 | 10,755 | +507    | +4.9%   |

Small sites:

|                                     |        |        |       |         |        |
|-------------------------------------|--------|--------|-------|---------|--------|
| Argonne National Laboratory.....    | 10,726 | 433    | 459   | +26     | +6.0%  |
| Brookhaven National Laboratory..... | 30,860 | 28,438 | 8,433 | -20,005 | -70.3% |
| Idaho National Laboratory.....      | 7,000  | 5,351  | 4,400 | -951    | -17.8% |

Consolidated business center:

|   |                |                |                |                |               |
|---|----------------|----------------|----------------|----------------|---------------|
| California Site Support.....                            | 160            | 158            | 187            | +29            | +18.4%        |
| Inhalation Toxicology Laboratory.....                   | 3,358          | 423            | —              | -423           | -100.0%       |
| Lawrence Berkeley National Laboratory.....              | 1,710          | —              | —              | —              | —             |
| Stanford Linear Accelerator Center.....                 | 5,720          | 5,846          | 4,883          | -963           | -16.5%        |
| Energy Technology Engineering Center.....               | 16,000         | 12,882         | 12,533         | -349           | -2.7%         |
| Los Alamos National Laboratory.....                     | 1,025          | 1,888          | 1,905          | +17            | +0.9%         |
| Moab.....   | 28,056         | 23,734         | 30,513         | +6,779         | +28.6%        |
| Completed Sites Administration and Support.....         | 599            | 1,189          | 1,100          | -89            | -7.5%         |
| <b>Total, Consolidated business center.....</b>         | <b>56,628</b>  | <b>46,120</b>  | <b>51,121</b>  | <b>+5,001</b>  | <b>+10.8%</b> |
| <b>Subtotal, Small sites.....</b>                       | <b>105,214</b> | <b>80,342</b>  | <b>64,413</b>  | <b>-15,929</b> | <b>-19.8%</b> |
| <b>Subtotal, Non-defense environmental cleanup.....</b> | <b>349,687</b> | <b>182,263</b> | <b>214,064</b> | <b>+31,801</b> | <b>+17.4%</b> |

|  |                |                |                |                |               |
|--|----------------|----------------|----------------|----------------|---------------|
| Use of prior year balances.....                      | —              | —              | -653           | -653           | N/A           |
| <b>Total, Non-Defense Environmental Cleanup.....</b> | <b>349,687</b> | <b>182,263</b> | <b>213,411</b> | <b>+31,148</b> | <b>+17.1%</b> |

**Uranium Sales And Remediation**

|  |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
| Uranium sales and remediation.....               | 43,057   | —        | —        | —        | —        |
| Offsetting collections.....                      | -43,057  | —        | —        | —        | —        |
| <b>Total, Uranium Sales And Remediation.....</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |

**Science**

|   |                |                |                |                 |               |
|---|----------------|----------------|----------------|-----------------|---------------|
| High energy physics                     |                |                |                |                 |               |
| Proton accelerator-based physics.....   | 343,633        | 368,825        | 419,577        | +50,752         | +13.8%        |
| Electron accelerator-based physics..... | 101,284        | 65,594         | 48,772         | -16,822         | -25.6%        |
| Non-accelerator physics.....            | 60,655         | 74,199         | 86,482         | +12,283         | +16.6%        |
| Theoretical physics.....                | 59,955         | 60,234         | 63,036         | +2,802          | +4.7%         |
| Advanced technology R&D.....            | 166,907        | 120,479        | 187,093        | +66,614         | +55.3%        |
| <b>Total, High energy physics.....</b>  | <b>732,434</b> | <b>689,331</b> | <b>804,960</b> | <b>+115,629</b> | <b>+16.8%</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------|
|  |                                |                               |                                     | \$                  | %       |
| <b>Nuclear physics</b>   |                                |                               |                                     |                     |         |
| Operation and maintenance.....   | 400,210                        | 415,187                       | 479,019                             | +63,832             | +15.4%  |
| Construction:  |                                |                               |                                     |                     |         |
| 07-SC-02 Electron beam ion source  |                                |                               |                                     |                     |         |
| Brookhaven National Laboratory, NY.....  | 5,000                          | 4,162                         | 2,438                               | -1,724              | -41.4%  |
| 06-SC-01 Project engineering and design (PED)/Construction, 12 Gev continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator Facility (was project 07-SC-001) |                                |                               |                                     |                     |         |
| Newport News, VA.....  | 7,000                          | 13,377                        | 28,623                              | +15,246             | +114.0% |
| 06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY.....  | 120                            | —                             | —                                   | —                   | —       |
| Total, Construction.....   | 12,120                         | 17,539                        | 31,061                              | +13,522             | +77.1%  |
| Total, Nuclear physics.....  | 412,330                        | 432,726                       | 510,080                             | +77,354             | +17.9%  |
| <b>Biological and environmental research</b>   |                                |                               |                                     |                     |         |
| Research.....  | 480,104                        | —                             | —                                   | —                   | —       |
| Biological research.....   | —                              | 407,530                       | 413,613                             | +6,083              | +1.5%   |
| Climate change research.....   | —                              | 136,867                       | 154,927                             | +18,060             | +13.2%  |
| Total, Biological and environmental research.....  | 480,104                        | 544,397                       | 568,540                             | +24,143             | +4.4%   |
| <b>Basic energy sciences</b>   |                                |                               |                                     |                     |         |
| Research   |                                |                               |                                     |                     |         |
| Materials sciences and engineering research.....   | 879,323                        | 954,060                       | 1,125,579                           | +171,519            | +18.0%  |
| Chemical sciences, geosciences and energy biosciences.....   | 217,028                        | 222,577                       | 297,113                             | +74,536             | +33.5%  |
| Total, Research.....   | 1,096,351                      | 1,176,637                     | 1,422,692                           | +246,055            | +20.9%  |
| Construction:  |                                |                               |                                     |                     |         |
| 08-SC-01 Advanced light source (ALS) user support building, LBNL, CA.....  | —                              | 4,954                         | 11,500                              | +6,546              | +132.1% |
| 08-SC-10 Project engineering and design (PED) Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....  | —                              | 941                           | —                                   | -941                | -100.0% |
| 08-SC-11 Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....   | —                              | 6,391                         | 3,728                               | -2,663              | -41.7%  |
| 07-SC-06 Project engineering and design (PED) National Synchrotron light source II (NSLS-II).....  | 3,000                          | 29,727                        | 93,273                              | +63,546             | +213.8% |
| 07-SC-12 Project engineering and design (PED) Advanced light source user building, LBNL.....   | 1,500                          | —                             | —                                   | —                   | —       |
| 05-R-320 Linac coherent light source (LCLS), Stanford Linear Accelerator Center (SLAC).....  | 101,000                        | 50,889                        | 36,967                              | -13,922             | -27.4%  |
| 05-R-321 Center for functional nanomaterials, Brookhaven National Laboratory, NY.....  | 18,864                         | 363                           | —                                   | -363                | -100.0% |

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|  | FY 2007<br>Current<br>Op. Plan | FY 2008<br>Current<br>Approp. | FY 2009<br>Congressional<br>Request | FY 2009 vs. FY 2008 |        |
|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|--------|
|  |                                |                               |                                     | \$                  | %      |
| 04-R-313 The molecular foundry, LBNL.....  | 257                            | —                             | —                                   | —                   | —      |
| 03-SC-002 Project engineering and design (PED), Linac coherent light source (LCLS), Stanford Linear Accelerator Center (SLAC)..... | 161                            | —                             | —                                   | —                   | —      |
| 03-R-313 Center for integrated nanotechnology, SNL.....  | 247                            | —                             | —                                   | —                   | —      |
| Total, Construction.....   | 125,029                        | 93,265                        | 145,468                             | +52,203             | +56.0% |
| Total, Basic energy sciences.....  | 1,221,380                      | 1,269,902                     | 1,568,160                           | +298,258            | +23.5% |
| Advanced scientific computing research.....  | 275,734                        | 351,173                       | 368,820                             | +17,647             | +5.0%  |
| Fusion energy sciences program.....  | 311,664                        | 286,548                       | 493,050                             | +206,502            | +72.1% |
| Science laboratories infrastructure  |                                |                               |                                     |                     |        |
| Infrastructure support   |                                |                               |                                     |                     |        |
| Payment in lieu of taxes.....  | 1,520                          | 1,506                         | 1,385                               | -121                | -8.0%  |
| Excess facilities disposition.....   | 6,348                          | 8,748                         | 14,844                              | +6,096              | +69.7% |
| Oak Ridge landlord.....  | 5,079                          | 5,033                         | 5,079                               | +46                 | +0.9%  |
| Total, Infrastructure support.....   | 12,947                         | 15,287                        | 21,308                              | +6,021              | +39.4% |
| Construction   |                                |                               |                                     |                     |        |
| 09-SC-72 Seismic life-safety, modernization and replacement of general purpose buildings   |                                |                               |                                     |                     |        |
| Phase 2, PED/Construction, LBNL.....   | —                              | —                             | 12,495                              | +12,495             | N/A    |
| 09-SC-73, Interdisciplinary science building   |                                |                               |                                     |                     |        |
| Phase 1, PED, BNL.....   | —                              | —                             | 8,240                               | +8,240              | N/A    |
| 09-SC-74, Technology and engineering development facilities PED, TJNAF.....  | —                              | —                             | 3,700                               | +3,700              | N/A    |
| 08-SC-71 Modernization of laboratory facilities PED, ORNL.....   | —                              | 9,329                         | 14,103                              | +4,774              | +51.2% |
| 07-SC-05 Physical sciences facility, PNNL.....   | 10,000                         | 24,773                        | 41,155                              | +16,382             | +66.1% |
| 07-SC-04 Science laboratories infrastructure project engineering and design (PED).....   | 8,908                          | —                             | —                                   | —                   | —      |
| MEL-001 Multiprogram energy laboratory infrastructure projects, various locations.....   | 10,131                         | 17,472                        | 9,259                               | -8,213              | -47.0% |
| Total, Construction.....   | 29,039                         | 51,574                        | 88,952                              | +37,378             | +72.5% |
| Total, Science laboratories infrastructure.....  | 41,986                         | 66,861                        | 110,260                             | +43,399             | +64.9% |
| Safeguards and security.....   | 75,830                         | 75,946                        | 80,603                              | +4,657              | +6.1%  |
| Science program direction  |                                |                               |                                     |                     |        |
| Headquarters.....  | 70,125                         | 74,586                        | 82,846                              | +8,260              | +11.1% |
| Office of Science and technical information.....   | —                              | —                             | 8,916                               | +8,916              | N/A    |
| Field offices.....   | 96,344                         | 103,193                       | 112,151                             | +8,958              | +8.7%  |
| Total, Science program direction.....  | 166,469                        | 177,779                       | 203,913                             | +26,134             | +14.7% |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------------|
|  |                                |                               |                                     | \$                  | %             |
| Workforce development for teachers and scientists..... | 7,952                          | 8,044                         | 13,583                              | +5,539              | +68.9%        |
| Congressionally directed projects.....                 | —                              | 123,623                       | —                                   | -123,623            | -100.0%       |
| Small business innovation research (SBIR).....         | 126,255                        | —                             | —                                   | —                   | —             |
| <b>Subtotal, Science.....</b>                          | <b>3,852,138</b>               | <b>4,026,330</b>              | <b>4,721,969</b>                    | <b>+695,639</b>     | <b>+17.3%</b> |
| Adjustments:   |                                |                               |                                     |                     |               |
| Use of prior year balances.....                        | -9,920                         | -3,014                        | —                                   | +3,014              | +100.0%       |
| Less security charge for reimbursable work.....        | -5,605                         | -5,605                        | —                                   | +5,605              | +100.0%       |
| Total, Adjustments.....                                | -15,525                        | -8,619                        | —                                   | +8,619              | +100.0%       |
| Less rescission of prior year balances.....            | —                              | -44,569                       | —                                   | +44,569             | +100.0%       |
| <b>Total, Science.....</b>                             | <b>3,836,613</b>               | <b>3,973,142</b>              | <b>4,721,969</b>                    | <b>+748,827</b>     | <b>+18.8%</b> |

### Nuclear Waste Disposal

|   |               |                |                |                |               |
|---|---------------|----------------|----------------|----------------|---------------|
| Nuclear waste disposal fund               |               |                |                |                |               |
| Repository program.....                   | 33,566        | 112,595        | 172,388        | +59,793        | +53.1%        |
| Program direction.....                    | 65,640        | 74,674         | 74,983         | +309           | +0.4%         |
| <b>Total, Nuclear Waste Disposal.....</b> | <b>99,206</b> | <b>187,269</b> | <b>247,371</b> | <b>+60,102</b> | <b>+32.1%</b> |

### Departmental Administration

|  |                |                |                |               |              |
|--|----------------|----------------|----------------|---------------|--------------|
| Administrative operations:                           |                |                |                |               |              |
| Salaries and expenses:                               |                |                |                |               |              |
| Office of the Secretary.....                         | 5,429          | 5,751          | 5,700          | -51           | -0.9%        |
| Board of contract appeals.....                       | 147            | —              | —              | —             | —            |
| Chief financial officer.....                         | 38,044         | 41,998         | 45,048         | +3,050        | +7.3%        |
| Management.....                                      | 54,161         | 65,033         | 67,000         | +1,967        | +3.0%        |
| Human Capital Management.....                        | 22,107         | 27,986         | 31,436         | +3,450        | +12.3%       |
| Chief information officer.....                       | 39,172         | 47,106         | 53,738         | +6,632        | +14.1%       |
| Congressional & intergovernmental affairs.....       | 4,813          | 4,733          | 4,700          | -33           | -0.7%        |
| Economic impact and diversity.....                   | 5,477          | 5,614          | 3,545          | -2,069        | -36.9%       |
| General counsel.....                                 | 23,202         | 29,889         | 31,233         | +1,344        | +4.5%        |
| Policy and International Affairs.....                | 15,054         | 18,831         | 19,469         | +638          | +3.4%        |
| Public affairs.....                                  | 4,493          | 3,339          | 3,780          | +441          | +13.2%       |
| Loan guarantee.....                                  | 7,000          | —              | —              | —             | —            |
| Total, Salaries and expenses.....                    | 219,099        | 250,280        | 265,649        | +15,369       | +6.1%        |
| Program support                                      |                |                |                |               |              |
| Minority economic impact.....                        | 677            | 829            | 855            | +26           | +3.1%        |
| Policy analysis and systems studies.....             | 389            | 621            | 1,000          | +379          | +61.0%       |
| Environmental policy studies.....                    | 558            | 528            | 531            | +3            | +0.6%        |
| Climate Change Technology Program (prog. supp.)..... | 501            | 1,059          | 2,000          | +941          | +88.9%       |
| Cybersecurity and secure communications.....         | 43,075         | 34,865         | 34,512         | -353          | -1.0%        |
| Corporate management information program (CIO).....  | 22,825         | 28,164         | 27,250         | -914          | -3.2%        |
| Total, Program support.....                          | 68,025         | 66,066         | 66,148         | +82           | +0.1%        |
| Competitive sourcing initiative (A-76).....          | 2,464          | —              | —              | —             | —            |
| Total, Administrative operations.....                | 289,588        | 316,346        | 331,797        | +15,451       | +4.9%        |
| Cost of work for others.....                         | 74,243         | 91,420         | 48,537         | -42,883       | -46.9%       |
| Subtotal, Departmental Administration (gross).....   | 363,831        | 407,766        | 380,334        | -27,432       | -6.7%        |
| Adjustments:   |                |                |                |               |              |
| Funding from other defense activities.....           | -86,999        | -98,104        | -108,190       | -10,086       | -10.3%       |
| Total, Adjustments.....                              | -86,999        | -98,104        | -108,190       | -10,086       | -10.3%       |
| Total, Departmental Administration (gross).....      | 276,832        | 309,662        | 272,144        | -37,518       | -12.1%       |
| Miscellaneous revenues.....                          | -128,889       | -161,247       | -117,317       | +43,930       | +27.2%       |
| <b>Total, Departmental Administration (Net).....</b> | <b>147,943</b> | <b>148,415</b> | <b>154,827</b> | <b>+6,412</b> | <b>+4.3%</b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Office Of The Inspector General**

|                                  |        |        |        |        |        |
|----------------------------------|--------|--------|--------|--------|--------|
| Office of inspector general..... | 41,819 | 46,057 | 51,927 | +5,870 | +12.7% |
|----------------------------------|--------|--------|--------|--------|--------|

**Innovative Technology Loan Guarantee Program**

|   |          |              |          |               |                |
|---|----------|--------------|----------|---------------|----------------|
| Administrative operations.....                          | —        | 5,459        | 19,880   | +14,421       | +264.2%        |
| Loan guarantee, offsetting collections.....             | —        | -1,000       | -19,880  | -18,880       | -1,888.0%      |
| <b>Total, Innovative Technology Loan Guarantee.....</b> | <b>—</b> | <b>4,459</b> | <b>—</b> | <b>-4,459</b> | <b>-100.0%</b> |

**Weapons Activities**

|                                     |         |         |         |         |        |
|-------------------------------------|---------|---------|---------|---------|--------|
| Directed stockpile work             |         |         |         |         |        |
| Life extension programs             |         |         |         |         |        |
| B61 Life extension program.....     | 58,160  | 61,908  | 2,189   | -59,719 | -96.5% |
| W76 Life extension program.....     | 207,312 | 172,213 | 209,196 | +36,983 | +21.5% |
| W80 Life extension program.....     | 8,152   | —       | —       | —       | —      |
| Total, Life extension programs..... | 273,624 | 234,121 | 211,385 | -22,736 | -9.7%  |

|                               |         |         |         |         |        |
|-------------------------------|---------|---------|---------|---------|--------|
| Stockpile systems             |         |         |         |         |        |
| B61 Stockpile systems.....    | 66,870  | 64,937  | 80,434  | +15,497 | +23.9% |
| W62 Stockpile systems.....    | 2,170   | 2,122   | 1,645   | -477    | -22.5% |
| W76 Stockpile systems.....    | 59,493  | 72,727  | 68,418  | -4,309  | -5.9%  |
| W78 Stockpile systems.....    | 38,165  | 38,577  | 43,349  | +4,772  | +12.4% |
| W80 Stockpile systems.....    | 33,178  | 28,124  | 32,034  | +3,910  | +13.9% |
| B83 Stockpile systems.....    | 23,954  | 23,809  | 25,759  | +1,950  | +8.2%  |
| W87 Stockpile systems.....    | 59,165  | 54,329  | 37,189  | -17,140 | -31.5% |
| W88 Stockpile systems.....    | 45,510  | 55,462  | 49,854  | -5,608  | -10.1% |
| Total, Stockpile systems..... | 328,505 | 340,087 | 338,682 | -1,405  | -0.4%  |

|  |        |         |         |         |        |
|--|--------|---------|---------|---------|--------|
| Reliable replacement warhead.....                          | 35,846 | —       | 10,000  | +10,000 | N/A    |
| Weapons dismantlement and disposition                      |        |         |         |         |        |
| Operations and maintenance.....                            | 75,790 | 78,628  | 116,822 | +38,194 | +48.6% |
| Construction:  |        |         |         |         |        |
| 99-D-141 Pit disassembly and conversion facility, SRS..... | —      | 56,047  | 66,890  | +10,843 | +19.3% |
| Total, Weapons dismantlement and disposition.....          | 75,790 | 134,675 | 183,712 | +49,037 | +36.4% |

|   |           |           |           |          |        |
|---|-----------|-----------|-----------|----------|--------|
| Stockpile services                          |           |           |           |          |        |
| Production support.....                     | 263,501   | 279,529   | 302,126   | +22,597  | +8.1%  |
| Research and development support.....       | 69,948    | 32,691    | 36,231    | +3,540   | +10.8% |
| R&D certification and safety.....           | 190,131   | 178,504   | 193,375   | +14,871  | +8.3%  |
| Management, technology, and production..... | 166,034   | 201,645   | 201,375   | -270     | -0.1%  |
| Responsive infrastructure.....              | 26,813    | —         | —         | —        | —      |
| Pit manufacturing.....                      | —         | —         | 145,269   | +145,269 | N/A    |
| Pit manufacturing capability.....           | —         | —         | 53,560    | +53,560  | N/A    |
| Total, Stockpile services.....              | 716,427   | 692,369   | 931,936   | +239,567 | +34.6% |
| Total, Directed stockpile work.....         | 1,430,192 | 1,401,252 | 1,675,715 | +274,463 | +19.6% |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

Campaigns:

Science campaign

|  |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|
| Advanced certification.....            | —       | 14,866  | 20,000  | +5,134  | +34.5%  |
| Primary assessment technologies.....   | 54,244  | 62,312  | 74,413  | +12,101 | +19.4%  |
| Dynamic plutonium experiments.....     | —       | —       | 23,734  | +23,734 | N/A     |
| Dynamic materials properties.....      | 83,638  | 96,140  | 85,805  | -10,335 | -10.7%  |
| Advanced radiography.....              | 36,087  | 30,402  | 29,418  | -984    | -3.2%   |
| Secondary assessment technologies..... | 80,345  | 78,999  | 79,292  | +293    | +0.4%   |
| Test readiness.....                    | 13,444  | 4,905   | 10,408  | +5,503  | +112.2% |
| Total, Science campaign.....           | 267,758 | 287,624 | 323,070 | +35,446 | +12.3%  |

Engineering campaign

|   |        |        |        |         |         |
|---|--------|--------|--------|---------|---------|
| Enhanced surety.....                                  | 26,666 | 34,137 | 35,641 | +1,504  | +4.4%   |
| Weapon systems engineering assessment technology..... | 21,102 | 19,314 | 17,105 | -2,209  | -11.4%  |
| Nuclear survivability.....                            | 15,662 | 8,644  | 21,753 | +13,109 | +151.7% |
| Enhanced surveillance.....                            | 86,783 | 79,073 | 68,243 | -10,830 | -13.7%  |
| Engineering campaign construction activities          |        |        |        |         |         |
| MESA, other project costs.....                        | 4,603  | 7,485  | —      | -7,485  | -100.0% |

Construction:

|   |         |         |         |         |         |
|---|---------|---------|---------|---------|---------|
| 08-D-806 Ion beam laboratory refurbishment SNL, Albuquerque, NM.....                      | —       | 9,911   | —       | -9,911  | -100.0% |
| 01-D-108 Microsystem & engineering science applications (MESA), SNL, Albuquerque, NM..... | 6,920   | 10,984  | —       | -10,984 | -100.0% |
| Total, Engineering campaign construction activities.....                                  | 11,523  | 28,380  | —       | -28,380 | -100.0% |
| Total, Engineering campaign.....  | 161,736 | 169,548 | 142,742 | -26,806 | -15.8%  |

Inertial confinement fusion ignition and high yield campaign

|  |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|
| Ignition.....  | 78,827  | 103,029 | 103,644 | +615    | +0.6%   |
| Support of stockpile programs.....                           | 5,872   | —       | —       | —       | —       |
| NIF diagnostics, cryogenics and experimental support.....    | 45,959  | 68,107  | 68,248  | +141    | +0.2%   |
| Pulsed power inertial confinement fusion.....                | 9,584   | 10,241  | 8,920   | -1,321  | -12.9%  |
| University grants/other ICF support.....                     | 12,186  | —       | —       | —       | —       |
| Joint program in high energy density laboratory plasmas..... | —       | 3,152   | 3,147   | -5      | -0.2%   |
| Facility operations and target production.....               | 53,796  | 112,012 | 180,384 | +68,372 | +61.0%  |
| Inertial fusion technology.....                              | 26,412  | 29,426  | —       | -29,426 | -100.0% |
| NIF assembly and installation.....                           | 143,438 | 134,294 | 56,899  | -77,395 | -57.6%  |
| High-energy petawatt laser development.....                  | 2,213   | —       | —       | —       | —       |

Subtotal, Inertial confinement fusion and high yield campaign.....

378,287     460,261     421,242     -39,019     -8.5%

Construction:

|   |         |       |   |        |         |
|---|---------|-------|---|--------|---------|
| 96-D-111 National ignition facility (NIF), Lawrence Livermore National Laboratory, Livermore, CA..... | 111,419 | 9,945 | — | -9,945 | -100.0% |
|---|---------|-------|---|--------|---------|

Total, Inertial confinement fusion and high yield campaign.....

489,706     470,206     421,242     -48,964     -10.4%

Advanced simulation and computing campaign

|                                 |         |         |         |         |       |
|---------------------------------|---------|---------|---------|---------|-------|
| Operations and maintenance..... | 611,253 | 574,537 | 561,742 | -12,795 | -2.2% |
|---------------------------------|---------|---------|---------|---------|-------|

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------|
|  |                                |                               |                                     | \$                  | %       |
| <b>Pit manufacturing and certification</b>   |                                |                               |                                     |                     |         |
| Pit manufacturing.....   | 152,709                        | 137,323                       | —                                   | -137,323            | -100.0% |
| Pit certification.....   | 55,536                         | 37,273                        | —                                   | -37,273             | -100.0% |
| Pit manufacturing capability.....  | 34,147                         | 39,235                        | —                                   | -39,235             | -100.0% |
| Total, Pit manufacturing and certification.....  | 242,392                        | 213,831                       | —                                   | -213,831            | -100.0% |
| <b>Readiness Campaign</b>  |                                |                               |                                     |                     |         |
| Stockpile readiness.....   | 21,964                         | 18,562                        | 28,731                              | +10,169             | +54.8%  |
| High explosives and weapon operations.....   | 19,256                         | 9,647                         | 8,927                               | -720                | -7.5%   |
| Nonnuclear readiness.....  | 31,139                         | 25,103                        | 40,165                              | +15,062             | +60.0%  |
| Tritium readiness  |                                |                               |                                     |                     |         |
| Operations and maintenance.....  | 77,745                         | 71,831                        | 82,265                              | +10,434             | +14.5%  |
| Advanced design and production technologies.....   | 51,609                         | 32,945                        | 22,949                              | -9,996              | -30.3%  |
| Total, Readiness campaign.....   | 201,713                        | 158,088                       | 183,037                             | +24,949             | +15.8%  |
| Total, Campaigns.....  | 1,974,558                      | 1,873,834                     | 1,631,833                           | -242,001            | -12.9%  |
| <b>Readiness in technical base and facilities (RTBF)</b>   |                                |                               |                                     |                     |         |
| Operations of facilities   |                                |                               |                                     |                     |         |
| Operations of facilities.....  | 1,150,141                      | —                             | 1,212,907                           | +1,212,907          | N/A     |
| Operations of facilities   |                                |                               |                                     |                     |         |
| Kansas City Plant.....   | —                              | 84,702                        | —                                   | -84,702             | -100.0% |
| Lawrence Livermore National Laboratory.....  | —                              | 89,303                        | —                                   | -89,303             | -100.0% |
| Los Alamos National Laboratory.....  | —                              | 285,025                       | —                                   | -285,025            | -100.0% |
| Nevada Test Site.....  | —                              | 64,863                        | —                                   | -64,863             | -100.0% |
| Pantex.....  | —                              | 112,813                       | —                                   | -112,813            | -100.0% |
| Sandia National Laboratory.....  | —                              | 153,873                       | —                                   | -153,873            | -100.0% |
| Savannah River Site.....   | —                              | 85,738                        | —                                   | -85,738             | -100.0% |
| Y-12 National security complex.....  | —                              | 224,190                       | —                                   | -224,190            | -100.0% |
| Institutional site support.....  | —                              | 53,948                        | —                                   | -53,948             | -100.0% |
| Total, Operations of facilities.....   | —                              | 1,154,455                     | —                                   | -1,154,455          | -100.0% |
| Total, Operations of facilities.....   | 1,150,141                      | 1,154,455                     | 1,212,907                           | +58,452             | +5.1%   |
| Program readiness.....   |                                |                               |                                     |                     |         |
| Material recycle and recovery.....   | 75,167                         | 70,099                        | 73,841                              | +3,742              | +5.3%   |
| Containers.....  | 69,982                         | 71,567                        | 72,509                              | +942                | +1.3%   |
| Storage.....   | 20,130                         | 21,760                        | 23,398                              | +1,638              | +7.5%   |
| Subtotal, Readiness in technical base and facilities.....  | 35,285                         | 34,462                        | 29,846                              | -4,616              | -13.4%  |
| Construction:  |                                |                               |                                     |                     |         |
| 09-D-404, Test capabilities revitalization II,<br>Sandia National Laboratories, Albuquerque, NM..... | —                              | —                             | 3,200                               | +3,200              | N/A     |
| 08-D-801 High pressure fire loop (HPFL)<br>Pantex, TX.....   | —                              | 6,866                         | 2,000                               | -4,866              | -70.9%  |
| 08-D-802 High explosive pressing facility<br>Pantex Plant, Amarillo, TX.....                         | —                              | 15,008                        | 28,233                              | +13,225             | +88.1%  |
| 08-D-804 TA-55 Reinvestment project<br>Los Alamos National Laboratory (LANL).....                    | —                              | 5,885                         | 7,900                               | +2,015              | +34.2%  |
| 08-D-806 Ion beam laboratory refurbishment<br>SNL, Albuquerque, NM.....                              | —                              | —                             | 10,014                              | +10,014             | N/A     |

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|---|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------|
|   |                                |                               |                                     | \$                  | %       |
| 07-D-140 Project engineering and design (PED)<br>various locations.....   | —                              | 2,452                         | 7,446                               | +4,994              | +203.7% |
| 07-D-220 Radioactive liquid waste<br>treatment facility upgrade project, LANL.....  | —                              | 26,162                        | 19,660                              | -6,502              | -24.9%  |
| 06-D-140 Project engineering design (PED)<br>various locations.....   | 16,577                         | 41,552                        | 104,661                             | +63,109             | +151.9% |
| 06-D-402 NTS replace fire stations 1 & 2<br>Nevada Test Site, NV.....   | 11,419                         | 6,591                         | 9,340                               | +2,749              | +41.7%  |
| 06-D-403 Tritium facility modernization<br>Lawrence Livermore National Laboratory,<br>Livermore, CA.....                  | 7,926                          | —                             | —                                   | —                   | —       |
| 05-D-140 Project engineering design<br>various locations.....   | 9,615                          | 1,961                         | —                                   | -1,961              | -100.0% |
| 05-D-402 Beryllium capability (BEC) project<br>Y-12 National Security Complex, Oakridge, TN.....                          | 7,494                          | —                             | 5,015                               | +5,015              | N/A     |
| 04-D-103 Project engineering and design, (PED)<br>various locations.....  | 5,978                          | —                             | —                                   | —                   | —       |
| 04-D-125 Chemistry and metallurgy facility<br>replacement project, Los Alamos National<br>Laboratory, Los Alamos, NM..... | 53,422                         | 74,141                        | 100,200                             | +26,059             | +35.1%  |
| 04-D-128 TA-18 Criticality experiments<br>facility (CEF), Los Alamos National Laboratory<br>Nevada Test Site, NV.....     | 24,197                         | 28,892                        | 10,353                              | -18,539             | -64.2%  |
| 03-D-103 Project engineering and design (PED)<br>various locations.....   | 14,161                         | —                             | —                                   | —                   | —       |
| 01-D-103 Project engineering and design (PED)<br>various locations.....   | 1,565                          | —                             | —                                   | —                   | —       |
| 01-D-124 HEU materials facility, Y-12 plant,<br>Oak Ridge, TN.....  | 110,182                        | 75,528                        | —                                   | -75,528             | -100.0% |
| Total, Construction.....  | 262,536                        | 285,038                       | 308,022                             | +22,984             | +8.1%   |
| Total, Readiness in technical base and facilities.....  | 1,613,241                      | 1,637,381                     | 1,720,523                           | +83,142             | +5.1%   |
| Secure transportation asset   |                                |                               |                                     |                     |         |
| Operations and equipment.....   | 134,777                        | 128,343                       | 131,651                             | +3,308              | +2.6%   |
| Program direction.....  | 74,760                         | 83,180                        | 89,421                              | +6,241              | +7.5%   |
| Total, Secure transportation asset.....   | 209,537                        | 211,523                       | 221,072                             | +9,549              | +4.5%   |
| Nuclear weapons incident response.....  | 133,514                        | 158,655                       | 221,936                             | +63,281             | +39.9%  |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------|
|  |                                |                               |                                     | \$                  | %       |
| Facilities and infrastructure recapitalization program |                                |                               |                                     |                     |         |
| Operations and maintenance.....                        | 123,750                        | 118,471                       | 99,550                              | -18,921             | -16.0%  |
| Construction   |                                |                               |                                     |                     |         |
| 08-D-601 Mercury highway                               |                                |                               |                                     |                     |         |
| Nevada Test Site, NV.....                              | —                              | 7,651                         | 11,700                              | +4,049              | +52.9%  |
| 08-D-602 Portable water system upgrades                |                                |                               |                                     |                     |         |
| Y-12 Plant, Oak Ridge, TN.....                         | —                              | 22,070                        | 27,666                              | +5,596              | +25.4%  |
| 07-D-253 TA 1 heating systems modernization            |                                |                               |                                     |                     |         |
| (HSM) Sandia National Laboratory.....                  | 14,500                         | 12,751                        | 15,755                              | +3,004              | +23.6%  |
| 06-D-160 Project engineering and design                |                                |                               |                                     |                     |         |
| various locations.....                                 | 2,700                          | —                             | —                                   | —                   | —       |
| 06-D-601 Electrical distribution system                |                                |                               |                                     |                     |         |
| upgrade, Pantex Plant, Amarillo, TX.....               | 6,429                          | 2,452                         | 4,000                               | +1,548              | +63.1%  |
| 06-D-602 Gas main and distribution system              |                                |                               |                                     |                     |         |
| upgrade, Pantex Plant, Amarillo, TX.....               | 3,145                          | 1,863                         | —                                   | -1,863              | -100.0% |
| 06-D-603 Steam plant life extension                    |                                |                               |                                     |                     |         |
| project (SLEP), Y-12, National                         |                                |                               |                                     |                     |         |
| Security Complex, Oakridge, TN.....                    | 17,811                         | 14,733                        | 10,878                              | -3,855              | -26.2%  |
| 05-D-160 Facilities and infrastructure                 |                                |                               |                                     |                     |         |
| recapitalization program project engineering           |                                |                               |                                     |                     |         |
| and design (PED), various locations.....               | 1,048                          | —                             | —                                   | —                   | —       |
| Total, Construction.....                               | 45,633                         | 61,520                        | 69,999                              | +8,479              | +13.8%  |
| Total, Facilities and infrastructure                   |                                |                               |                                     |                     |         |
| recapitalization program.....                          | 169,383                        | 179,991                       | 169,549                             | -10,442             | -5.8%   |
| Environmental projects and operations                  |                                |                               |                                     |                     |         |
| Long term stewardship.....                             | —                              | 8,592                         | 40,587                              | +31,995             | +372.4% |
| Transformation disposition.....                        | —                              | —                             | 77,391                              | +77,391             | N/A     |
| Safeguards and security                                |                                |                               |                                     |                     |         |
| Defense nuclear security                               |                                |                               |                                     |                     |         |
| Operations and maintenance.....                        | 656,653                        | 728,123                       | 690,217                             | -37,906             | -5.2%   |
| Construction:  |                                |                               |                                     |                     |         |
| 08-D-701 Nuclear materials S&S upgrade                 |                                |                               |                                     |                     |         |
| project Los Alamos National Laboratory.....            | —                              | 48,550                        | 46,000                              | -2,550              | -5.3%   |
| Material security and                                  |                                |                               |                                     |                     |         |
| consolidation project Idaho                            |                                |                               |                                     |                     |         |
| National Laboratory, ID.....                           | —                              | 14,713                        | —                                   | -14,713             | -100.0% |

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|---|--------------------------------|-------------------------------|-------------------------------------|---------------------|--------------|
|   |                                |                               |                                     | \$                  | %            |
| 05-D-170 Project engineering and design,<br>various locations.....  | —                              | 7,847                         | 1,111                               | -6,736              | -85.8%       |
| Total, Construction.....  | —                              | 71,110                        | 47,111                              | -23,999             | -33.7%       |
| Total, Defense nuclear security.....  | 656,653                        | 799,233                       | 737,328                             | -61,905             | -7.7%        |
| Cyber security.....   | 104,505                        | 100,287                       | 122,511                             | +22,224             | +22.2%       |
| Total, Safeguards and security.....   | 761,158                        | 899,520                       | 859,839                             | -39,681             | -4.4%        |
| Congressionally directed projects.....  | —                              | 47,232                        | —                                   | -47,232             | -100.0%      |
| <b>Subtotal, Weapons Activities.....</b>  | <b>6,291,583</b>               | <b>6,417,980</b>              | <b>6,618,445</b>                    | <b>+200,465</b>     | <b>+3.1%</b> |
| <b>Adjustments</b>  |                                |                               |                                     |                     |              |
| Use of prior year balances.....   | —                              | -86,514                       | -366                                | +86,148             | +99.6%       |
| Less security charge for reimbursable work.....   | -33,000                        | -34,000                       | —                                   | +34,000             | +100.0%      |
| Total, Adjustments.....   | -33,000                        | -120,514                      | -366                                | +120,148            | +99.7%       |
| <b>Total, Weapons Activities.....</b>   | <b>6,258,583</b>               | <b>6,297,466</b>              | <b>6,618,079</b>                    | <b>+320,613</b>     | <b>+5.1%</b> |
| <b>Defense Nuclear Nonproliferation</b>   |                                |                               |                                     |                     |              |
| Nonproliferation and verification R&D   |                                |                               |                                     |                     |              |
| Operations and maintenance.....   | 257,277                        | 362,424                       | 261,944                             | -100,480            | -27.7%       |
| Construction:   |                                |                               |                                     |                     |              |
| 07-SC-05 Physical Science Facility  |                                |                               |                                     |                     |              |
| Pacific Northwest National Laboratory   |                                |                               |                                     |                     |              |
| Richland, WA.....   | 4,220                          | 24,772                        | 13,147                              | -11,625             | -46.9%       |
| 06-D-180 06-01 Project engineering<br>and design (PED), Pacific Northwest National<br>Laboratory, Richland, WA..... | 3,700                          | —                             | —                                   | —                   | —            |
| Total, Construction.....  | 7,920                          | 24,772                        | 13,147                              | -11,625             | -46.9%       |
| Total, Nonproliferation & verification R&D.....   | 265,197                        | 387,196                       | 275,091                             | -112,105            | -29.0%       |
| Nonproliferation and international security.....  | 128,911                        | 149,993                       | 140,467                             | -9,526              | -6.4%        |
| International nuclear materials protection<br>and cooperation.....  | 597,646                        | 624,482                       | 429,694                             | -194,788            | -31.2%       |
| Elimination of weapons-grade plutonium production<br>program.....   | 231,152                        | 179,940                       | 141,299                             | -38,641             | -21.5%       |
| Fissile materials disposition   |                                |                               |                                     |                     |              |
| U.S. surplus fissile materials disposition  |                                |                               |                                     |                     |              |
| Operations and maintenance  |                                |                               |                                     |                     |              |
| U.S. surplus fissile materials disposition.....   | 159,273                        | —                             | 40,774                              | +40,774             | N/A          |
| U.S. uranium disposition.....   | —                              | 66,235                        | —                                   | -66,235             | -100.0%      |
| Total, Operations and maintenance.....  | 159,273                        | 66,235                        | 40,774                              | -25,461             | -38.4%       |
| Construction:   |                                |                               |                                     |                     |              |
| 99-D-141 Pit disassembly and conversion<br>facility, Savannah River, SC.....  | 48,289                         | —                             | —                                   | —                   | —            |
| 99-D-143 Mixed oxide fuel fabrication<br>facility, Savannah River, SC.....  | 262,500                        | —                             | —                                   | —                   | —            |
| Total, Construction.....  | 310,789                        | —                             | —                                   | —                   | —            |
| Total, U.S. surplus fissile materials disposition.....  | 470,062                        | 66,235                        | 40,774                              | -25,461             | -38.4%       |

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|---|--------------------------------|-------------------------------|-------------------------------------|---------------------|----------------|
|   |                                |                               |                                     | \$                  | %              |
| Russian surplus materials disposition.....  | —                              | —                             | 1,000                               | +1,000              | N/A            |
| Total, Fissile materials disposition.....   | 470,062                        | 66,235                        | 41,774                              | -24,461             | -36.9%         |
| Global threat reduction initiative.....   | 131,234                        | 193,225                       | 219,641                             | +26,416             | +13.7%         |
| International nuclear fuel bank.....  | —                              | 49,545                        | —                                   | -49,545             | -100.0%        |
| Congressionally directed projects.....  | —                              | 7,380                         | —                                   | -7,380              | -100.0%        |
| <b>Subtotal, Defense Nuclear Nonproliferation.....</b>  | <b>1,824,202</b>               | <b>1,657,996</b>              | <b>1,247,966</b>                    | <b>-410,030</b>     | <b>-24.7%</b>  |
| Use of prior year balances.....   | —                              | —                             | -918                                | -918                | N/A            |
| <b>Subtotal, Defense Nuclear Nonproliferation.....</b>  | <b>1,824,202</b>               | <b>1,657,996</b>              | <b>1,247,048</b>                    | <b>-410,948</b>     | <b>-24.8%</b>  |
| <b>Rescissions:</b>   |                                |                               |                                     |                     |                |
| Rescission of prior year balances - Russian Surplus fissile materials disposition program.....        | —                              | -57,000                       | —                                   | +57,000             | +100.0%        |
| Rescission of prior year balances - Fissile Materials disposition MOX construction line.....          | —                              | -115,000                      | —                                   | +115,000            | +100.0%        |
| Rescission of prior year balances for emergency supplemental for FY 1999 (H.R.4328 P.L. 105-277)..... | —                              | -150,000                      | —                                   | +150,000            | +100.0%        |
| <b>Total, Rescissions.....</b>  | <b>—</b>                       | <b>-322,000</b>               | <b>—</b>                            | <b>+322,000</b>     | <b>+100.0%</b> |
| <b>Total, Defense Nuclear Nonproliferation.....</b>   | <b>1,824,202</b>               | <b>1,335,996</b>              | <b>1,247,048</b>                    | <b>-88,948</b>      | <b>-6.7%</b>   |

#### Naval Reactors

|  |                |                |                |                |                |
|--|----------------|----------------|----------------|----------------|----------------|
| Naval reactors development   |                |                |                |                |                |
| Operation and maintenance  |                |                |                |                |                |
| Operation and maintenance.....   | 734,283        | 732,374        | 771,600        | +39,226        | +5.4%          |
| Transfer to nuclear energy.....  | 13,365         | —              | —              | —              | —              |
| <b>Total, Operation and maintenance.....</b>   | <b>747,648</b> | <b>732,374</b> | <b>771,600</b> | <b>+39,226</b> | <b>+5.4%</b>   |
| Construction:  |                |                |                |                |                |
| 09-D-190, PED, Infrastructure upgrades, KAPL.....  | —              | —              | 1,000          | +1,000         | N/A            |
| 09-D-902, NRF Office Building #2   |                |                |                |                |                |
| ECC Upgrade, Idaho.....  | —              | —              | 8,300          | +8,300         | N/A            |
| 08-D-901 Shipping and receiving and warehouse complex (SRWC), BAPL.....  | —              | 8,918          | —              | -8,918         | -100.0%        |
| 08-D-190 Project engineering and design Expended Core Facility M-290 recovering discharge station, Naval Reactor Facility, ID..... | —              | 545            | 300            | -245           | -45.0%         |
| 07-D-190 Materials research technology complex (MRTC).....   | 1,485          | 446            | 12,400         | +11,954        | +2,680.3%      |
| 05-D-900 Materials development facility building, Schenectady, NY.....   | 1,287          | —              | —              | —              | —              |
| <b>Total, Construction.....</b>  | <b>2,772</b>   | <b>9,909</b>   | <b>22,000</b>  | <b>+12,091</b> | <b>+122.0%</b> |
| <b>Total, Naval reactors development.....</b>  | <b>750,420</b> | <b>742,283</b> | <b>793,600</b> | <b>+51,317</b> | <b>+6.9%</b>   |
| Program direction.....   | 31,380         | 32,403         | 34,454         | +2,051         | +6.3%          |
| <b>Total, Naval Reactors.....</b>  | <b>781,800</b> | <b>774,686</b> | <b>828,054</b> | <b>+53,368</b> | <b>+6.9%</b>   |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------------|
|  |                                |                               |                                     | \$                  | %             |
| <b>Office Of The Administrator</b>                               |                                |                               |                                     |                     |               |
| Office of the administrator.....                                 | 358,291                        | 379,997                       | 404,081                             | +24,084             | +6.3%         |
| Congressionally directed projects.....                           | —                              | 22,140                        | —                                   | -22,140             | -100.0%       |
| <b>Total, Office Of The Administrator.....</b>                   | <b>358,291</b>                 | <b>402,137</b>                | <b>404,081</b>                      | <b>+1,944</b>       | <b>+0.5%</b>  |
| <br><b>Defense Environmental Cleanup</b>                         |                                |                               |                                     |                     |               |
| Closure sites:   |                                |                               |                                     |                     |               |
| Ashtabula.....   | 1,295                          | 292                           | —                                   | -292                | -100.0%       |
| Closure sites administration.....                                | 56,648                         | 11,726                        | 13,209                              | +1,483              | +12.6%        |
| Fernald.....   | 254,754                        | —                             | 2,100                               | +2,100              | N/A           |
| Miamisburg.....  | 39,869                         | 30,032                        | 30,574                              | +542                | +1.8%         |
| Rocky Flats.....   | 115,487                        | —                             | —                                   | —                   | —             |
| <b>Total, Closure sites.....</b>                                 | <b>468,053</b>                 | <b>42,050</b>                 | <b>45,883</b>                       | <b>+3,833</b>       | <b>+9.1%</b>  |
| Hanford site:  |                                |                               |                                     |                     |               |
| 2012 completion projects   |                                |                               |                                     |                     |               |
| Nuclear facility D&D river corridor closure project.....         | 210,755                        | 223,172                       | 165,248                             | -57,924             | -26.0%        |
| Nuclear material stabilization and disposition PFP.....          | 77,565                         | 97,110                        | 113,483                             | +16,373             | +16.9%        |
| SNF stabilization and disposition.....                           | 136,086                        | 98,907                        | 122,171                             | +23,264             | +23.5%        |
| Solid waste stabilization and disposition.....                   | 798                            | —                             | —                                   | —                   | —             |
| <b>Total, 2012 completion projects.....</b>                      | <b>425,204</b>                 | <b>419,189</b>                | <b>400,902</b>                      | <b>-18,287</b>      | <b>-4.4%</b>  |
| 2035 completion projects   |                                |                               |                                     |                     |               |
| Nuclear facility D&D - remainder of Hanford.....                 | 83,231                         | 97,854                        | 85,653                              | -12,201             | -12.5%        |
| Operate waste disposal facility.....                             | 3,199                          | 3,299                         | —                                   | -3,299              | -100.0%       |
| Richland community and regulatory support.....                   | 18,332                         | 19,441                        | 19,620                              | +179                | +0.9%         |
| Soil and water remediation - groundwater vadose zone.....        | 87,314                         | 104,591                       | 169,682                             | +65,091             | +62.2%        |
| Solid waste stabilization and disposition 200 area.....          | 218,036                        | 242,124                       | 175,930                             | -66,194             | -27.3%        |
| <b>Total, 2035 completion projects.....</b>                      | <b>410,112</b>                 | <b>467,309</b>                | <b>450,885</b>                      | <b>-16,424</b>      | <b>-3.5%</b>  |
| <b>Total, Hanford site.....</b>                                  | <b>835,316</b>                 | <b>886,498</b>                | <b>851,787</b>                      | <b>-34,711</b>      | <b>-3.9%</b>  |
| Idaho National Laboratory:                                       |                                |                               |                                     |                     |               |
| Nuclear material stabilization and disposition.....              | 4,000                          | 2,230                         | 2,030                               | -200                | -9.0%         |
| SNF stabilization and disposition - 2012.....                    | 35,415                         | 28,922                        | 20,334                              | -8,588              | -29.7%        |
| Solid waste stabilization and disposition.....                   | 210,210                        | 152,225                       | 178,767                             | +26,542             | +17.4%        |
| Radioactive liquid tank waste stabilization and disposition..... | 65,514                         | 66,010                        | 46,025                              | -19,985             | -30.3%        |
| Construction   |                                |                               |                                     |                     |               |
| 06-D-401 Sodium bearing waste treatment project, Idaho.....      | 31,000                         | 111,774                       | 86,700                              | -25,074             | -22.4%        |
| <b>Total, Construction.....</b>                                  | <b>31,000</b>                  | <b>111,774</b>                | <b>86,700</b>                       | <b>-25,074</b>      | <b>-22.4%</b> |
| Soil and water remediation - 2012.....                           | 92,520                         | 111,366                       | 70,268                              | -41,098             | -36.9%        |
| Nuclear facility D & D.....                                      | 78,541                         | 32,078                        | 24,133                              | -7,945              | -24.8%        |
| Idaho community and regulatory support.....                      | 3,683                          | 3,753                         | 3,867                               | +114                | +3.0%         |
| <b>Total, Idaho National Laboratory.....</b>                     | <b>520,883</b>                 | <b>508,358</b>                | <b>432,124</b>                      | <b>-76,234</b>      | <b>-15.0%</b> |

**U.S. DEPARTMENT OF ENERGY**  
**FY 2009 Statistical Table by Appropriation**  
(dollars in thousands - OMB Scoring)

|   | FY 2007<br>Current<br>Op. Plan | FY 2008<br>Current<br>Approp. | FY 2009<br>Congressional<br>Request | FY 2009 vs. FY 2008 |         |
|---|--------------------------------|-------------------------------|-------------------------------------|---------------------|---------|
|   |                                |                               |                                     | \$                  | %       |
| <b>NNSA sites</b>   |                                |                               |                                     |                     |         |
| Lawrence Livermore National Laboratory.....               | 24,136                         | 8,601                         | —                                   | -8,601              | -100.0% |
| NNSA Service Center/SPRU.....                             | 6,222                          | 28,831                        | 16,943                              | -11,888             | -41.2%  |
| Nevada.....   | 87,768                         | 80,368                        | 65,674                              | -14,694             | -18.3%  |
| Kansas City Plant.....                                    | 1,697                          | —                             | —                                   | —                   | —       |
| California site support.....                              | 370                            | 367                           | —                                   | -367                | -100.0% |
| Pantex.....   | 23,726                         | 20,027                        | —                                   | -20,027             | -100.0% |
| Sandia National Laboratories.....                         | 10,394                         | —                             | —                                   | —                   | —       |
| Nevada off-sites.....                                     | 5,132                          | —                             | —                                   | —                   | —       |
| Los Alamos National Laboratory.....                       | 139,900                        | 152,070                       | 162,467                             | +10,397             | +6.8%   |
| Total, NNSA sites and Nevada off-sites.....               | 299,345                        | 290,264                       | 245,084                             | -45,180             | -15.6%  |
| <b>Oak Ridge Reservation:</b>                             |                                |                               |                                     |                     |         |
| Building 3019.....  | 35,500                         | 29,727                        | 58,000                              | +28,273             | +95.1%  |
| Nuclear facility D & D ORNL.....                          | 31,556                         | 50,978                        | 58,160                              | +7,182              | +14.1%  |
| Nuclear facility D & D Y-12.....                          | 23,573                         | 19,674                        | 32,392                              | +12,718             | +64.6%  |
| Nuclear facility D & D, E. Tennessee technology park..... | —                              | 3,323                         | 105                                 | -3,218              | -96.8%  |
| OR reservation community and regulatory support.....      | 4,999                          | 5,912                         | 6,100                               | +188                | +3.2%   |
| Soil and water remediation - offsites.....                | 7,033                          | 9,294                         | 4,730                               | -4,564              | -49.1%  |
| Solid waste stabilization and disposition                 |                                |                               |                                     |                     |         |
| Science current generation.....                           | 18,544                         | —                             | —                                   | —                   | —       |
| Solid waste stabilization and disposition - 2012.....     | 92,957                         | 71,627                        | 78,183                              | +6,556              | +9.2%   |
| Total, Oak Ridge Reservation.....                         | 214,162                        | 190,535                       | 237,670                             | +47,135             | +24.7%  |
| <b>Office of River Protection:</b>                        |                                |                               |                                     |                     |         |
| Waste treatment and immobilization plant                  |                                |                               |                                     |                     |         |
| Construction:   |                                |                               |                                     |                     |         |
| 01-D-416 Waste treatment and immobilization plant         |                                |                               |                                     |                     |         |
| 01-D-16A Low activity waste facility.....                 | 186,000                        | 141,699                       | 160,000                             | +18,301             | +12.9%  |
| 01-D-16B Analytical laboratory.....                       | 59,000                         | 44,591                        | 65,000                              | +20,409             | +45.8%  |
| 01-D-16C Balance of facilities.....                       | 57,000                         | 71,345                        | 75,000                              | +3,655              | +5.1%   |
| 01-D-16D High level waste facility.....                   | 177,000                        | 175,389                       | 125,000                             | -50,389             | -28.7%  |
| 01-D-16E Pretreatment facility.....                       | 211,000                        | 250,698                       | 265,000                             | +14,302             | +5.7%   |
| Total, Construction.....                                  | 690,000                        | 683,722                       | 690,000                             | +6,278              | +0.9%   |
| Total, Waste treatment and immobilization plant.....      | 690,000                        | 683,722                       | 690,000                             | +6,278              | +0.9%   |
| <b>Tank farm activities</b>                               |                                |                               |                                     |                     |         |
| Rad liquid tank waste stabilization and disposition.....  | 276,656                        | 285,351                       | 288,443                             | +3,092              | +1.1%   |
| River protection community and regulatory support.....    | 471                            | 467                           | —                                   | -467                | -100.0% |
| Total, Tank farm activities.....                          | 277,127                        | 285,818                       | 288,443                             | +2,625              | +0.9%   |
| Total, Office of River protection.....                    | 967,127                        | 969,540                       | 978,443                             | +8,903              | +0.9%   |
| <b>Savannah River sites:</b>                              |                                |                               |                                     |                     |         |
| 2012 completion projects                                  |                                |                               |                                     |                     |         |
| Nuclear facility D&D.....                                 | 778                            | —                             | —                                   | —                   | —       |
| Nuclear material stabilization and disposition.....       | 240,798                        | —                             | —                                   | —                   | —       |

**U.S. DEPARTMENT OF ENERGY**  
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(dollars in thousands - OMB Scoring)

|  | FY 2007<br>Current<br>Op. Plan | FY 2008<br>Current<br>Approp. | FY 2009<br>Congressional<br>Request | FY 2009 vs. FY 2008 |   |
|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

|  |           |           |           |         |         |
|--|-----------|-----------|-----------|---------|---------|
| Construction:  |           |           |           |         |         |
| 04-D-423 Container surveillance capability in 105K.....                                | —         | 10,900    | —         | -10,900 | -100.0% |
| 04-D-414 Container surveillance capability in 235F Project engineering and design..... | 2,935     | —         | 2,032     | +2,032  | N/A     |
| Total, construction.....   | 2,935     | 10,900    | 2,032     | -8,868  | -81.4%  |
| Total, 2012 completion projects.....   | 244,511   | 10,900    | 2,032     | -8,868  | -81.4%  |
| 2035 completion projects   |           |           |           |         |         |
| SR community and regulatory support.....   | 12,542    | 12,386    | 12,500    | +114    | +0.9%   |
| Nuclear material stabilization and disposition.....                                    | 86,641    | 314,919   | 339,311   | +24,392 | +7.7%   |
| Spent nuclear fuel stabilization and disposition.....                                  | 25,177    | 30,850    | 24,108    | -6,742  | -21.9%  |
| Solid waste stabilization and disposition.....   | 77,257    | 72,859    | 53,559    | -19,300 | -26.5%  |
| Soil and water remediation.....  | 72,587    | 74,507    | 67,121    | -7,386  | -9.9%   |
| Nuclear facility D & D.....  | 6,370     | 2,882     | 2,052     | -830    | -28.8%  |
| Construction:  |           |           |           |         |         |
| 08-D-414 Project engineering and design  |           |           |           |         |         |
| Plutonium Vitrification Facility, VL.....  | —         | 991       | —         | -991    | -100.0% |
| Total, construction.....   | —         | 991       | —         | -991    | -100.0% |
| Total, 2035 completion projects.....   | 280,574   | 509,394   | 498,651   | -10,743 | -2.1%   |
| Tank farm activities   |           |           |           |         |         |
| Radioactive liquid tank waste stabilization and disposition.....                       | 512,809   | 513,799   | 578,218   | +64,419 | +12.5%  |
| Construction:  |           |           |           |         |         |
| 05-D-405 Salt waste processing facility, Savannah River.....                           | —         | 87,199    | 127,524   | +40,325 | +46.2%  |
| 03-D-414 Salt waste processing facility  |           |           |           |         |         |
| PED, Savannah River.....   | 104,296   | 9,910     | —         | -9,910  | -100.0% |
| Total, Construction.....   | 104,296   | 97,109    | 127,524   | +30,415 | +31.3%  |
| Total, Tank farm activities.....   | 617,105   | 610,908   | 705,742   | +94,834 | +15.5%  |
| Total, Savannah River site.....  | 1,142,190 | 1,131,202 | 1,206,425 | +75,223 | +6.6%   |
| Waste Isolation Pilot Plant  |           |           |           |         |         |
| Waste isolation pilot plant.....   | 142,069   | 148,653   | 126,425   | -22,228 | -15.0%  |
| Central characterization project.....  | 32,550    | 32,599    | 29,069    | -3,530  | -10.8%  |
| Transportation.....  | 29,084    | 26,887    | 28,170    | +1,283  | +4.8%   |
| Community and regulatory support.....  | 25,115    | 26,446    | 27,860    | +1,414  | +5.3%   |
| Total, Waste Isolation Pilot Plant.....  | 228,818   | 234,585   | 211,524   | -23,061 | -9.8%   |
| Program direction.....   | 282,080   | 306,941   | 308,765   | +1,824  | +0.6%   |
| Program support.....   | 28,031    | 32,844    | 33,930    | +1,086  | +3.3%   |
| Safeguards and Security:   |           |           |           |         |         |
| Waste Isolation Pilot Project.....   | 4,232     | 4,882     | 5,124     | +242    | +5.0%   |
| Oak Ridge Reservation.....   | 18,900    | 18,322    | 27,020    | +8,698  | +47.5%  |
| Fernald.....   | 377       | —         | —         | —       | —       |
| West Valley.....   | 1,600     | 1,585     | 1,400     | -185    | -11.7%  |
| Paducah.....   | 11,707    | —         | 8,196     | +8,196  | N/A     |
| Portsmouth.....  | 15,642    | —         | —         | —       | —       |
| Richland/Hanford Site.....   | 73,436    | 86,503    | 75,265    | -11,238 | -13.0%  |
| Savannah River Site.....   | 146,626   | 148,040   | 134,336   | -13,704 | -9.3%   |
| Total, Safeguards and Security.....  | 272,520   | 259,332   | 251,341   | -7,991  | -3.1%   |

**U.S. DEPARTMENT OF ENERGY**  
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|   | FY 2007<br>Current<br>Op. Plan | FY 2008<br>Current<br>Approp. | FY 2009<br>Congressional<br>Request | FY 2009 vs. FY 2008    |                      |
|---|--------------------------------|-------------------------------|-------------------------------------|------------------------|----------------------|
|   |                                |                               |                                     | \$                     | %                    |
| Technology development.....                           | 20,715                         | 21,194                        | 32,389                              | +11,195                | +52.8%               |
| Uranium enrichment D&D fund contribution.....         | 452,000                        | 458,787                       | 463,000                             | +4,213                 | +0.9%                |
| Subtotal, Defense environmental cleanup.....          | <u>5,731,240</u>               | <u>5,332,130</u>              | <u>5,298,365</u>                    | <u>-33,765</u>         | -0.6%                |
| Use of prior year balances.....                       | —                              | —                             | -1,109                              | -1,109                 | N/A                  |
| Congressionally directed projects.....                | —                              | 17,195                        | —                                   | -17,195                | -100.0%              |
| <b>Total, Defense Environmental Cleanup.....</b>      | <b><u>5,731,240</u></b>        | <b><u>5,349,325</u></b>       | <b><u>5,297,256</u></b>             | <b><u>-52,069</u></b>  | <b><u>-1.0%</u></b>  |
| <br><b>Other Defense Activities</b>                   |                                |                               |                                     |                        |                      |
| Health, safety and security                           |                                |                               |                                     |                        |                      |
| Health, safety and security.....                      | —                              | 326,324                       | 347,271                             | +20,947                | +6.4%                |
| Program direction.....                                | —                              | 99,137                        | 99,597                              | +460                   | +0.5%                |
| Total, Health, safety and security.....               | <u>—</u>                       | <u>425,461</u>                | <u>446,868</u>                      | <u>+21,407</u>         | <u>+5.0%</u>         |
| Office of security and safety performance assurance   |                                |                               |                                     |                        |                      |
| Nuclear safeguards and security.....                  | 196,546                        | —                             | —                                   | —                      | —                    |
| Security investigations.....                          | 40,531                         | —                             | —                                   | —                      | —                    |
| Program direction.....                                | 76,818                         | —                             | —                                   | —                      | —                    |
| Total, Security and safety performance assurance..... | <u>313,895</u>                 | <u>—</u>                      | <u>—</u>                            | <u>—</u>               | <u>—</u>             |
| Environment, safety & health                          |                                |                               |                                     |                        |                      |
| Environment, safety and health (defense).....         | 60,304                         | —                             | —                                   | —                      | —                    |
| Program direction.....                                | 20,076                         | —                             | —                                   | —                      | —                    |
| Total, Environment, safety and health.....            | <u>80,380</u>                  | <u>—</u>                      | <u>—</u>                            | <u>—</u>               | <u>—</u>             |
| Office of Legacy Management                           |                                |                               |                                     |                        |                      |
| Legacy management.....                                | 19,733                         | 144,060                       | 174,397                             | +30,337                | +21.1%               |
| Program direction.....                                | 11,202                         | 10,901                        | 11,584                              | +683                   | +6.3%                |
| Total, Office of Legacy Management.....               | <u>30,935</u>                  | <u>154,961</u>                | <u>185,981</u>                      | <u>+31,020</u>         | <u>+20.0%</u>        |
| Nuclear energy  |                                |                               |                                     |                        |                      |
| Infrastructure  |                                |                               |                                     |                        |                      |
| Idaho facilities management                           |                                |                               |                                     |                        |                      |
| INL infrastructure O&M.....                           | 15,923                         | —                             | —                                   | —                      | —                    |
| Idaho sitewide safeguards and security.....           | 75,949                         | 75,261                        | 78,811                              | +3,550                 | +4.7%                |
| Total, Infrastructure.....                            | <u>91,872</u>                  | <u>75,261</u>                 | <u>78,811</u>                       | <u>+3,550</u>          | <u>+4.7%</u>         |
| Mixed oxide fuel fabrication facility                 |                                |                               |                                     |                        |                      |
| Operations and maintenance.....                       | —                              | —                             | 19,200                              | +19,200                | N/A                  |
| Construction and other project costs:                 |                                |                               |                                     |                        |                      |
| 99-D-143 MOX fuel fabrication facility.....           | —                              | —                             | 467,808                             | +467,808               | N/A                  |
| Total, Mixed oxide fuel fabrication facility.....     | <u>—</u>                       | <u>—</u>                      | <u>487,008</u>                      | <u>+487,008</u>        | <u>N/A</u>           |
| Program direction.....                                | 30,844                         | —                             | —                                   | —                      | —                    |
| Total, Nuclear energy.....                            | <u>122,716</u>                 | <u>75,261</u>                 | <u>565,819</u>                      | <u>+490,558</u>        | <u>+651.8%</u>       |
| Defense related administrative support.....           | 86,999                         | 98,104                        | 108,190                             | +10,086                | +10.3%               |
| Office of hearings and appeals.....                   | 4,349                          | 4,565                         | 6,603                               | +2,038                 | +44.6%               |
| Subtotal, Other defense activities.....               | <u>639,274</u>                 | <u>758,352</u>                | <u>1,313,461</u>                    | <u>+555,109</u>        | <u>+73.2%</u>        |
| Adjustments:  |                                |                               |                                     |                        |                      |
| Use of prior year balances.....                       | —                              | -990                          | —                                   | +990                   | +100.0%              |
| Less security charge for reimbursable work (NE).....  | -3,003                         | -3,003                        | —                                   | +3,003                 | +100.0%              |
| Total, Adjustments.....                               | <u>-3,003</u>                  | <u>-3,993</u>                 | <u>—</u>                            | <u>+3,993</u>          | <u>+100.0%</u>       |
| <b>Total, Other Defense Activities.....</b>           | <b><u>636,271</u></b>          | <b><u>754,359</u></b>         | <b><u>1,313,461</u></b>             | <b><u>+559,102</u></b> | <b><u>+74.1%</u></b> |

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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Defense Nuclear Waste Disposal**

|                                     |         |         |         |         |        |
|-------------------------------------|---------|---------|---------|---------|--------|
| Defense nuclear waste disposal..... | 346,500 | 199,171 | 247,371 | +48,200 | +24.2% |
|-------------------------------------|---------|---------|---------|---------|--------|

**Power Marketing Administrations**

|  |         |         |         |        |        |
|--|---------|---------|---------|--------|--------|
| Southeastern Power Administration                |         |         |         |        |        |
| Purchase power and wheeling.....                 | 47,198  | 62,215  | 63,522  | +1,307 | +2.1%  |
| Program direction.....                           | 5,602   | 6,404   | 7,420   | +1,016 | +15.9% |
| Subtotal, Southeastern Power Administration..... | 52,800  | 68,619  | 70,942  | +2,323 | +3.4%  |
| Less alternative financing (for PPW).....        | -14,485 | -13,802 | -14,002 | -200   | -1.4%  |
| Offsetting collections.....                      | -32,713 | -48,413 | -49,520 | -1,107 | -2.3%  |
| Total, Southeastern Power Administration.....    | 5,602   | 6,404   | 7,420   | +1,016 | +15.9% |

Southwestern Power Administration

|  |        |         |         |        |        |
|--|--------|---------|---------|--------|--------|
| Operation and maintenance.....                   | 5,604  | 11,892  | 12,865  | +973   | +8.2%  |
| Purchase power and wheeling.....                 | 12,400 | 45,000  | 46,000  | +1,000 | +2.2%  |
| Program direction.....                           | 20,782 | 22,054  | 24,330  | +2,276 | +10.3% |
| Construction.....                                | 3,612  | 4,269   | 5,991   | +1,722 | +40.3% |
| Subtotal, Southwestern Power Administration..... | 42,398 | 83,215  | 89,186  | +5,971 | +7.2%  |
| Less alternative financing.....                  | -9,400 | -18,050 | -25,772 | -7,722 | -42.8% |
| Offsetting collections.....                      | -3,000 | -35,000 | -35,000 | —      | —      |
| Total, Southwestern Power Administration.....    | 29,998 | 30,165  | 28,414  | -1,751 | -5.8%  |

Western Area Power Administration

|  |          |          |          |         |        |
|--|----------|----------|----------|---------|--------|
| Construction and rehabilitation.....               | 60,205   | 62,419   | 74,544   | +12,125 | +19.4% |
| Operation and maintenance.....                     | 45,734   | 52,873   | 52,365   | -508    | -1.0%  |
| Purchase power and wheeling.....                   | 427,931  | 475,254  | 525,960  | +50,706 | +10.7% |
| Utah mitigation and conservation.....              | 6,633    | 7,114    | 7,342    | +228    | +3.2%  |
| Program direction.....                             | 147,748  | 156,128  | 166,423  | +10,295 | +6.6%  |
| Subtotal, Western Area Power Administration.....   | 688,251  | 753,788  | 826,634  | +72,846 | +9.7%  |
| Less alternative financing.....                    | -173,220 | -212,242 | -301,804 | -89,562 | -42.2% |
| Offsetting collections (P.L. 108-447/109-103)..... | -279,000 | -308,702 | -328,118 | -19,416 | -6.3%  |
| Offsetting collections (P.L. 98-381).....          | -3,705   | -3,937   | -3,366   | +571    | +14.5% |
| Total, Western Area Power Administration.....      | 232,326  | 228,907  | 193,346  | -35,561 | -15.5% |

Falcon and Amistad Operating and Maintenance Fund

|                                |       |       |       |      |        |
|--------------------------------|-------|-------|-------|------|--------|
| Operation and maintenance..... | 2,665 | 2,477 | 2,959 | +482 | +19.5% |
|--------------------------------|-------|-------|-------|------|--------|

Colorado River Basins Power Marketing Fund

|  |                |                |                |                |               |
|--|----------------|----------------|----------------|----------------|---------------|
| Spending authority from offsetting collections             |                |                |                |                |               |
| Equipment, contracts and other related expenses.....       | 144,080        | 190,444        | 195,137        | +4,693         | +2.5%         |
| Utah mitigation and conservation fund.....                 | —              | —              | —              | —              | —             |
| Program direction.....                                     | 42,141         | 41,701         | 45,147         | +3,446         | +8.3%         |
| Total, Spending authority from offsetting collections..... | 186,221        | 232,145        | 240,284        | +8,139         | +3.5%         |
| Offsetting collections.....                                | -186,221       | -255,145       | -263,284       | -8,139         | -3.2%         |
| Total, Colorado River Basins.....                          | —              | -23,000        | -23,000        | —              | —             |
| <b>Total, Power Marketing Administrations.....</b>         | <b>270,591</b> | <b>244,953</b> | <b>209,139</b> | <b>-35,814</b> | <b>-14.6%</b> |

U.S. DEPARTMENT OF ENERGY  
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|--|--------------------------------|-------------------------------|-------------------------------------|---------------------|---|
|  |                                |                               |                                     | \$                  | % |

**Federal Energy Regulatory Commission**

|   |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|
| Federal energy regulatory commission.....               | 221,902  | 260,425  | 273,400  | +12,975  | +5.0%    |
| FERC revenues.....                                      | -221,902 | -260,425 | -273,400 | -12,975  | -5.0%    |
| <b>Total, Federal Energy Regulatory Commission.....</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> | <b>—</b> |

**Uranium Enrichment D&D Fund Discretionary Payments**

|  |          |          |          |        |       |
|--|----------|----------|----------|--------|-------|
| Transfer payment from Defense ER&WM..... | -452,000 | -458,787 | -463,000 | -4,213 | -0.9% |
|--|----------|----------|----------|--------|-------|

**Fees And Recoveries, Federal Energy Regulatory Commission**

|   |         |         |         |        |       |
|---|---------|---------|---------|--------|-------|
| Fees & recoveries in excess of annual appropriations..... | -43,595 | -34,411 | -36,932 | -2,521 | -7.3% |
|---|---------|---------|---------|--------|-------|