## FY 2020 Summary Control Table by Appropriation

<table>
<thead>
<tr>
<th>FY 2018 Total Enacted Appropriation</th>
<th>FY 2019 Enacted Appropri.</th>
<th>FY 2020 Congressional Request</th>
<th>FY 2020 Request vs FY 2019 Enacted $</th>
<th>%</th>
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<tbody>
<tr>
<td><strong>Discretionary Summary by Appropriation</strong></td>
<td></td>
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<td></td>
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<tr>
<td><strong>Energy Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Energy efficiency and renewable energy</td>
<td>2,321,778</td>
<td>2,379,000</td>
<td>343,000</td>
<td>-2,036,000</td>
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<tr>
<td>Electricity delivery and energy reliability</td>
<td>261,329</td>
<td>---</td>
<td>0</td>
<td>N/A</td>
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<tr>
<td>Cybersecurity, Energy Security, and Emergency Response</td>
<td>---</td>
<td>156,000</td>
<td>182,500</td>
<td>+26,500</td>
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<tr>
<td>Nuclear energy</td>
<td>1,205,056</td>
<td>1,326,090</td>
<td>824,000</td>
<td>-502,090</td>
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<tr>
<td><strong>Fossil energy programs</strong></td>
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<td>Fossil energy research and development</td>
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<td>740,000</td>
<td>562,000</td>
<td>-178,000</td>
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<td>Fossil Energy Petroleum Reserve Accounts:</td>
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<td>Naval petroleum and oil shale reserves</td>
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<td>10,000</td>
<td>14,000</td>
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<td>Strategic petroleum reserve</td>
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<td>235,000</td>
<td>174,000</td>
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<td>SPR petroleum account</td>
<td>8,400</td>
<td>10,000</td>
<td>27,000</td>
<td>+17,000</td>
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<tr>
<td>Northeast home heating oil reserve</td>
<td>6,500</td>
<td>10,000</td>
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<td>-10,000</td>
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<tr>
<td><strong>Total, Fossil Energy Petroleum Reserve</strong></td>
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<td>265,000</td>
<td>215,000</td>
<td>-50,000</td>
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<td><strong>Total, Fossil Energy programs</strong></td>
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<td>1,005,000</td>
<td>777,000</td>
<td>-228,000</td>
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<td>Uranium enrichment D&amp;D fund.</td>
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<td>841,129</td>
<td>715,112</td>
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<td>125,000</td>
<td>125,000</td>
<td>118,000</td>
<td>-7,000</td>
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<tr>
<td>Non-Defense environmental cleanup.</td>
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<td>310,000</td>
<td>247,480</td>
<td>-62,520</td>
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<tr>
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<td>6,585,000</td>
<td>5,545,972</td>
<td>-1,039,028</td>
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<td>366,000</td>
<td>287,000</td>
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<td>90,000</td>
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<tr>
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<td>13,467,407</td>
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<td><strong>Atomic Energy Defense Activities</strong></td>
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<td>National nuclear security administration:</td>
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<td></td>
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<tr>
<td>Federal Salaries and Expenses</td>
<td>407,595</td>
<td>410,000</td>
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<td>Weapons activities</td>
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<td>11,100,000</td>
<td>12,408,603</td>
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<td>Defense nuclear nonproliferation</td>
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<td>1,930,000</td>
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<td>Naval reactors</td>
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<td>1,768,618</td>
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<td><strong>Total, National nuclear security administration</strong></td>
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<td>15,228,618</td>
<td>16,485,000</td>
<td>+1,256,382</td>
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<tr>
<td>Environmental and other defense activities:</td>
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<tr>
<td>Defense environmental cleanup</td>
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<td>6,024,000</td>
<td>5,506,501</td>
<td>-517,499</td>
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<tr>
<td>Other defense activities</td>
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<td>860,292</td>
<td>1,035,339</td>
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<td>Defense nuclear waste disposal (90M in 270 Energy)</td>
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<td>26,000</td>
<td>+26,000</td>
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<tr>
<td><strong>Total, Environmental &amp; other defense activities</strong></td>
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<td>6,884,292</td>
<td>6,567,840</td>
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<tr>
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<td>22,112,310</td>
<td>23,052,840</td>
<td>+939,930</td>
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<tr>
<td>Southeastern power administration</td>
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<tr>
<td>Southwestern power administration</td>
<td>11,400</td>
<td>10,400</td>
<td>10,400</td>
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<td>Western area power administration (CROM)</td>
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<td>89,372</td>
<td>89,396</td>
<td>-160</td>
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<td>Falcon &amp; Amistad operating &amp; maintenance fund</td>
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<td>228</td>
<td>228</td>
<td>0</td>
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<tr>
<td>Colorado River Basins</td>
<td>-23,000</td>
<td>-23,000</td>
<td>-21,400</td>
<td>+1,600</td>
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<tr>
<td><strong>Total, Power marketing administrations</strong></td>
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<td>77,000</td>
<td>78,424</td>
<td>+1,424</td>
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<tr>
<td><strong>Federal energy regulatory commission</strong></td>
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<td>---</td>
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<tr>
<td><strong>Subtotal, Energy And Water Development and Related Agencies</strong></td>
<td>34,526,657</td>
<td>35,657,317</td>
<td>31,890,529</td>
<td>-3,766,788</td>
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<tr>
<td><strong>Excess Fees and Recoveries, FERC</strong></td>
<td>-9,000</td>
<td>-16,000</td>
<td>-16,000</td>
<td>0</td>
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<tr>
<td><strong>Title XVII Loan guar. prog section 1703</strong></td>
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<tr>
<td>Negative Credit Subsidy Receipt</td>
<td>-107,000</td>
<td>-15,000</td>
<td>+92,000</td>
<td>+86.0%</td>
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<td><strong>Sale of Northeast Gasoline Supply Reserve (NGSR)</strong></td>
<td>---</td>
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<td>-75,000</td>
<td>-75,000</td>
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<tr>
<td><strong>Sale of Northeast Home Heating Oil Reserve</strong></td>
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<td>-82,000</td>
</tr>
<tr>
<td><strong>Total, Discretionary Funding</strong></td>
<td>34,517,657</td>
<td>35,534,317</td>
<td>31,702,529</td>
<td>-3,831,788</td>
</tr>
</tbody>
</table>

1 The FY 2020 budget request for $27M in NGSR does not include a request for direct appropriations; instead the Department is requesting authorization to deposit up to $27 million in proceeds from the sale of one-million barrels of refined petroleum product (gasoline blendstock) from the Strategic Petroleum Reserve.
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(Defense (050) function, non-add)</td>
<td>(21,630,000)</td>
<td>(22,259,000)</td>
<td>(23,190,648)</td>
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<tr>
<td>(Non-Defense (250/270) function, non-add)</td>
<td>(12,887,657)</td>
<td>(13,275,317)</td>
<td>(8,511,881)</td>
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<tr>
<td>(Science (250) function, non-add)</td>
<td>(6,259,903)</td>
<td>(6,585,000)</td>
<td>(5,545,972)</td>
</tr>
<tr>
<td>(Energy (270) function, non-add)</td>
<td>(6,627,754)</td>
<td>(6,690,317)</td>
<td>(2,965,909)</td>
</tr>
</tbody>
</table>

Memo: Total Discretionary by budget function
## Energy Efficiency and Renewable Energy

### Energy Efficiency and Renewable Energy RDD&D

<table>
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<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Vehicle technologies</td>
<td>337,500</td>
<td>344,000</td>
<td>73,400</td>
<td>-270,600 -78.7%</td>
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<tr>
<td>Bioenergy technologies</td>
<td>221,545</td>
<td>226,000</td>
<td>40,000</td>
<td>-186,000 -82.3%</td>
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<tr>
<td>Hydrogen and fuel cell technologies</td>
<td>115,000</td>
<td>120,000</td>
<td>44,000</td>
<td>-76,000 -63.3%</td>
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<tr>
<td>Total, Sustainable transportation</td>
<td>674,045</td>
<td>690,000</td>
<td>157,400</td>
<td>-532,600 -77.2%</td>
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<tr>
<td><strong>Renewable power:</strong></td>
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<tr>
<td>Solar energy technologies</td>
<td>241,600</td>
<td>246,500</td>
<td>67,000</td>
<td>-179,500 -72.8%</td>
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<tr>
<td>Wind energy technologies</td>
<td>92,000</td>
<td>92,000</td>
<td>23,700</td>
<td>-68,300 -74.2%</td>
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<tr>
<td>Water power technologies</td>
<td>105,000</td>
<td>105,000</td>
<td>45,000</td>
<td>-60,000 -57.1%</td>
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<tr>
<td>Geothermal technologies</td>
<td>80,906</td>
<td>84,000</td>
<td>28,000</td>
<td>-56,000 -67.7%</td>
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<tr>
<td>Total, Renewable power</td>
<td>519,508</td>
<td>527,500</td>
<td>163,700</td>
<td>-363,800 -69.0%</td>
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<td><strong>Energy efficiency:</strong></td>
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<tr>
<td>Advanced Manufacturing</td>
<td>305,000</td>
<td>320,000</td>
<td>80,500</td>
<td>-239,500 -74.8%</td>
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<tr>
<td>Federal energy management program</td>
<td>27,000</td>
<td>30,000</td>
<td>8,400</td>
<td>-21,600 -72.0%</td>
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<tr>
<td>Building Technologies</td>
<td>220,727</td>
<td>226,000</td>
<td>57,000</td>
<td>-169,000 -74.8%</td>
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<td><strong>Weatherization and intergovernmental programs:</strong></td>
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<tr>
<td>Weatherization assistance program</td>
<td>248,000</td>
<td>254,000</td>
<td>---</td>
<td>-254,000 -100.0%</td>
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<tr>
<td>Training and technical assistance</td>
<td>3,000</td>
<td>3,000</td>
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<td>-3,000 -100.0%</td>
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<tr>
<td>Total, Weatherization</td>
<td>251,000</td>
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<td>State energy program grants</td>
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<td>Total, Weatherization &amp; intergovernmental</td>
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<td><strong>Programs:</strong></td>
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<tr>
<td>Total, Energy efficiency</td>
<td>858,727</td>
<td>866,000</td>
<td>145,900</td>
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<td><strong>Corporate support programs:</strong></td>
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<tr>
<td>Program direction</td>
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<tr>
<td>Salaries and Benefits</td>
<td>103,738</td>
<td>103,681</td>
<td>76,000</td>
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<td>Travel</td>
<td>4,091</td>
<td>4,151</td>
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<td>Support Services</td>
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<td>9,644</td>
<td>8,100</td>
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<tr>
<td>Other Related Expenses</td>
<td>46,226</td>
<td>45,024</td>
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<td>162,500</td>
<td>122,000</td>
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<td>Strategic programs</td>
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<td>14,000</td>
<td>---</td>
<td>-14,000 -100.0%</td>
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<tr>
<td>Facilities and infrastructure (NREL O&amp;M)</td>
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<td>107,000</td>
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<td>Total, Corporate support programs</td>
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<td>273,500</td>
<td>229,000</td>
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<tr>
<td><strong>Subtotal, Energy Efficiency and Renewable Energy:</strong></td>
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<tr>
<td>2,321,778</td>
<td>2,379,000</td>
<td>696,000</td>
<td>-1,683,000 -70.7%</td>
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<td><strong>Adjustments:</strong></td>
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<td>Use of prior year balances (EE)</td>
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<td>-353,000 N/A</td>
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<td><strong>Total, Energy Efficiency and Renewable Energy:</strong></td>
<td>2,321,778</td>
<td>2,379,000</td>
<td>343,000</td>
<td>-2,036,000 -85.6%</td>
</tr>
</tbody>
</table>

### Electricity Delivery and Energy Reliability

| **Transmission reliability:** | 44,987 | --- | --- | 0 N/A |
| **Resilient distribution systems:** | 40,600 | --- | --- | 0 N/A |
| **Energy storage:** | 41,000 | --- | --- | 0 N/A |
| **Transformer resilience and advanced components:** | 7,000 | --- | --- | 0 N/A |
| **Transmission permitting and technical assistance:** | 7,850 | --- | --- | 0 N/A |
| **Infrastructure security and energy restoration:** | 14,900 | --- | --- | 0 N/A |
| **Cybersecurity for energy delivery systems:** | 75,829 | --- | --- | 0 N/A |
| **Program direction:** | 29,163 | --- | --- | 0 N/A |
| **Total, Electricity Delivery and Energy Reliability:** | 261,329 | --- | --- | 0 N/A |

### Electricity (Delivery)

| **Transmission Reliability and Resilience:** | --- | 39,000 | 70,500 | +31,500 +80.8% |
| **Resilient distribution systems:** | --- | 40,000 | 27,900 | -12,100 -30.3% |
| **Energy storage:** | --- | 46,000 | 43,500 | -2,500 -5.4% |
| **Construction:** | --- | 5,000 | --- | +5,000 N/A |
| **Total, Energy storage:** | --- | 46,000 | 48,500 | +2,500 +5.4% |
| **Transformer resilience and advanced components:** | --- | 7,000 | 9,000 | +2,000 +28.6% |
| **Transmission permitting and technical assistance:** | --- | 7,000 | 7,000 | 0 N/A |
| **Program direction:** | --- | 17,000 | 19,600 | +2,600 +15.3% |
| **Total, Electricity (Delivery):** | --- | 156,000 | 182,500 | +26,500 +17.0% |
|-----------------------------------|-------------------------------|-------------------------------|----------------------------------|
| Cybersecurity, Energy Security, and Emergency Response |                            |                               |                                  |
| Cybersecurity for Energy Delivery Systems (CEDS) | 726,817 | 740,000 | 562,000 | -178,000 | -24.1% |
| Infrastructure Security and Energy Restoration | 11,500 | 11,500 | 0 | N/A |     |
| Total, Office of Cybersecurity, Energy Security, and Emergency Response | 738,317 | 751,500 | 562,000 | -189,500 | -25.2% |

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<tr>
<th>Nuclear Energy</th>
<th>Research and Development</th>
<th>Integrated Universit Program</th>
<th>5,000</th>
<th>5,000</th>
<th>-5,000</th>
<th>-100.0%</th>
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<tr>
<td></td>
<td>Total, Research and Development</td>
<td>669,056</td>
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<td>403,000</td>
<td>-349,400</td>
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<td></td>
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<td></td>
<td>Subtotal, Nuclear Energy</td>
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<td>-502,090</td>
<td>-37.9%</td>
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<tr>
<td></td>
<td>Adjustments: Transfer from NR Advanced Test Reactor HR 3219 (non-add.)</td>
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<td>(85,000)</td>
<td>(-----)</td>
<td>(-----)</td>
<td>(-----)</td>
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<tr>
<td></td>
<td>Subtotal, Nuclear Energy</td>
<td>1,205,056</td>
<td>1,326,090</td>
<td>824,000</td>
<td>-502,090</td>
<td>-37.9%</td>
</tr>
<tr>
<td></td>
<td>Total, Nuclear Energy</td>
<td>1,205,056</td>
<td>1,326,090</td>
<td>824,000</td>
<td>-502,090</td>
<td>-37.9%</td>
</tr>
</tbody>
</table>

| Fossil Energy Research and Development | Fossil Energy Research and Development | Coal | Carbon Capture | 100,671 | 100,671 | -100,671 | -100.0% |
|----------------|--------------------------|-----------------------------|------|------|-------|---------|
|                | Carbon Storage | 98,096 | 98,096 | -98,096 | -100.0% |
|                | Advanced Energy Systems | 112,000 | 129,683 | -129,683 | -100.0% |
|                | Cross-cutting research | 58,350 | 56,350 | -56,350 | -100.0% |
|                | Total, Coal CCS and Power Systems | 358,117 | 384,800 | -384,800 | -100.0% |
|                | NETL coal research and development | 53,000 | 54,000 | -54,000 | -100.0% |
|                | Super critical Transformational Electric Power | 24,000 | 22,430 | -22,430 | -100.0% |
|                | Transformational coal pilots | 35,000 | 25,000 | -25,000 | -100.0% |
|                | Total, Coal | 481,117 | 486,230 | -486,230 | -100.0% |
|                | Advanced Coal Energy Systems & CCUS | Advanced Energy Systems | 220,300 | 220,300 | N/A |
|                | Crosscutting Research | 60,325 | 60,325 | N/A |
|                | Carbon Capture Utilization and Storage | 68,800 | 68,800 | N/A |
|                | NETL Coal Research and Development | 38,000 | 38,000 | N/A |
|                | Total, Advanced Coal Energy Systems & CCUS | 387,425 | 387,425 | N/A |
|                | Natural gas technologies | 50,000 | 51,000 | 10,730 | -40,270 | -79.0% |
|                | Unconventional fossil energy technologies | 40,000 | 46,000 | 19,000 | -27,000 | -58.7% |
|                | NETL Infrastructure and operations | 60,000 | 61,070 | 61,045 | -25 | -0.0% |
|                | Special recruitment programs | 700 | 700 | 0 | N/A |
|                | NETL Research and Operations | 50,000 | 50,000 | 43,100 | -6,900 | -14.2% |
|                | Total, Fossil Energy Research and Development | 726,817 | 740,000 | 562,000 | -178,000 | -24.1% |
| Fossil Energy Petroleum Reserves | Naval Petroleum and Oil Shale Reserve | Production operations | 18,200 | 8,000 | 12,000 | +4,000 | +50.0% |
|                | Management | 2,000 | 2,000 | 2,000 | 0 | N/A |
|                | Use of prior year balances | -15,300 | -15,300 | 0 | N/A |
|                | Total, Naval Petroleum & Oil Shale Reserve | 4,900 | 10,000 | 14,000 | +4,000 | +40.0% |
## Summary Table by Appropriation

### FY 2020 Congressional Justification

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<tr>
<td><strong>U.S. DEPARTMENT OF ENERGY</strong></td>
<td></td>
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<tr>
<td><strong>FY 2020 Summary Control Table by Appropriation</strong></td>
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<tr>
<td>(dollars in thousands - OMB Scoring)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Strategic Petroleum Reserve
- **Strategic petroleum reserve**
  - 223,000
  - 206,000
  - 174,000
  - -32,000
  - -15.5%
- **Sale of crude oil**
  - -350,000
  - -300,000
  - -450,000
  - -150,000
  - -50.0%
- **Use of sale proceeds**
  - 350,000
  - 300,000
  - 450,000
  - +150,000
  - +50.0%
- **Northeast Gasoline Supply Reserve**
  - 29,000
  - 29,000
  - ---
  - -29,000
  - -100.0%

**Total, Strategic Petroleum Reserve**
- 260,716
- 235,000
- 174,000
- -61,000
- -26.0%

### SPR Petroleum Account
- **SPR Petroleum Account**
  - 11,400
  - 10,000
  - ---
  - -10,000
  - -100.0%

**Use of prior year balances**
- -3,000
  - ---
  - ---
  - 0
  - N/A

**Total, Strategic Petroleum Reserve - Petroleum Account**
- 8,400
- 10,000
- 27,000
- +17,000
- +170.0%

### Northeast Home Heating Oil Reserve
- **Northeast home heating oil reserve**
  - 10,000
  - 10,000
  - ---
  - -10,000
  - -100.0%

**Use of prior year balances**
- -3,500
  - ---
  - ---
  - 0
  - N/A

**Total, Northeast Home Heating Oil Reserve**
- 6,500
- 10,000
- ---
- -10,000
- -100.0%

### Uranium Enrichment Decontamination and Decommissioning Fund
- **Oak Ridge**
  - 194,673
  - 195,000
  - 109,439
  - -85,561
  - -43.9%
- **Paducah**
  - 205,530
  - 206,000
  - 207,215
  - +1,215
  - +0.6%
- **Portsmouth**
  - 381,271
  - 408,099
  - 355,661
  - -52,438
  - -12.8%
- **Pension and community and regulatory support**
  - 22,794
  - 21,030
  - 21,762
  - +732
  - +3.5%
- **Title X uranium/thorium reimbursement program**
  - 35,732
  - 11,000
  - 21,035
  - +10,035
  - +91.2%

**Total, Uranium Enrichment D&D Fund**
- 840,000
- 841,129
- 715,112
- -126,017
- -15.0%

### Energy Information Administration
- **National energy information system**
  - 125,000
  - 125,000
  - 118,000
  - -7,000
  - -5.6%

**Total, Energy Information Administration**
- 125,000
- 125,000
- 118,000
- -7,000
- -5.6%

### Non-Defense Environmental Cleanup
- **Fast flux test reactor facility (WA)**
  - 2,240
  - 2,240
  - 2,500
  - +260
  - +11.6%
- **Gaseous diffusion plants**
  - 101,304
  - 101,304
  - 103,073
  - +1,769
  - +1.7%
- **Small sites**
  - 119,856
  - 131,456
  - 66,692
  - -64,764
  - -49.3%
- **West Valley demonstration project**
  - 75,000
  - 75,000
  - 75,215
  - +215
  - +0.3%

**Total, Non-Defense Environmental Cleanup**
- 296,400
- 310,000
- 287,480
- -25,000
- -8.2%

### Science
- **Office of Science**
  - Advanced Scientific Computing Research
    - 810,000
    - 935,500
    - 920,888
    - -14,612
    - -1.6%
  - Basic Energy Sciences
    - 2,090,000
    - 2,166,000
    - 1,858,285
    - -307,715
    - -14.2%
  - Biological and Environmental Research
    - 673,000
    - 705,000
    - 494,434
    - -210,566
    - -29.9%
  - Fusion Energy Sciences
    - 532,111
    - 564,000
    - 402,750
    - -161,250
    - -28.6%
  - High Energy Physics
    - 908,000
    - 960,000
    - 768,038
    - -211,962
    - -21.8%
  - Nuclear Physics
    - 684,000
    - 690,000
    - 624,854
    - -65,146
    - -9.4%
  - Workforce Development for Teachers and Scientists
    - 19,500
    - 22,500
    - 19,500
    - -3,000
    - -13.3%
  - Science Laboratories Infrastructure
    - 257,292
    - 232,890
    - 163,000
    - -69,290
    - -29.8%
  - Safeguards and Security
    - 103,000
    - 106,110
    - 110,623
    - +4,513
    - +4.3%
  - Science Program Direction
    - 183,000
    - 183,000
    - 183,000
    - 0
    - N/A

**Total, Science**
- 6,299,903
- 6,585,000
- 5,545,972
- -1,039,028
- -15.8%

### Advanced Research Projects Agency - Energy
- **Advanced research projects agency - Energy**
  - ARPA/E projects
    - 324,064
    - 334,750
    - ---
    - -334,750
    - -100.0%
  - Program direction
    - 29,250
    - 31,250
    - ---
    - -31,250
    - -100.0%

**Total, Advanced Research Projects Agency - Energy**
- 353,314
- 366,000
- 287,000
- -76,000
- -21.1%

### Office of Indian Energy Policy and Programs
- **Tribal Energy Program**
  - 13,200
  - 4,797
  - -8,721
  - -66.1%
- **Program direction**
  - 4,800
  - 3,521
  - -1,279
  - -26.6%

**Total, Office of Indian Energy Policy and Programs**
- 18,000
- 8,000
- -10,000
- -55.6%
## FY 2020 Summary Control Table by Appropriation

(dollars in thousands - OMB Scoring)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>428,652</td>
<td>423,047</td>
<td>390,015</td>
<td>-33,032 -7.8%</td>
</tr>
</tbody>
</table>

### Nuclear Waste Disposal

<table>
<thead>
<tr>
<th>Yucca Mountain and interim storage</th>
<th>90,000</th>
<th>90,000</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total, Nuclear Waste Disposal</strong></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

### Departmental Administration

<table>
<thead>
<tr>
<th>Office of the Secretary</th>
<th>5,300</th>
<th>5,395</th>
<th>5,119</th>
<th>-276</th>
<th>-5.1%</th>
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</thead>
<tbody>
<tr>
<td>Congressional &amp; intergovernmental affairs</td>
<td>6,200</td>
<td>6,200</td>
<td>5,895</td>
<td>-305</td>
<td>-4.9%</td>
</tr>
<tr>
<td>Chief financial officer</td>
<td>48,484</td>
<td>48,912</td>
<td>52,000</td>
<td>+3,088</td>
<td>+6.3%</td>
</tr>
<tr>
<td>Economic impact and diversity</td>
<td>10,169</td>
<td>10,169</td>
<td>9,494</td>
<td>-675</td>
<td>-6.6%</td>
</tr>
<tr>
<td>Office of Indian energy policy and programs</td>
<td>18,000</td>
<td>---</td>
<td>---</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chief information officer</td>
<td>126,274</td>
<td>131,624</td>
<td>124,554</td>
<td>-7,070</td>
<td>-5.4%</td>
</tr>
<tr>
<td>Management</td>
<td>54,745</td>
<td>55,365</td>
<td>54,358</td>
<td>-1,027</td>
<td>-1.9%</td>
</tr>
<tr>
<td>Project Management Oversight and Assessments</td>
<td>15,192</td>
<td>15,005</td>
<td>14,255</td>
<td>-750</td>
<td>-5.0%</td>
</tr>
<tr>
<td>Chief human capital officer</td>
<td>25,513</td>
<td>26,125</td>
<td>24,316</td>
<td>-1,809</td>
<td>-6.9%</td>
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<tr>
<td>Office of Small and Disadvantaged Business Utilization</td>
<td>3,000</td>
<td>3,170</td>
<td>3,609</td>
<td>+439</td>
<td>+13.8%</td>
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<tr>
<td>General counsel</td>
<td>33,000</td>
<td>33,075</td>
<td>33,075</td>
<td>0</td>
<td>N/A</td>
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<td>Energy policy and systems analysis</td>
<td>10,432</td>
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<tr>
<td>Office of Policy</td>
<td>10,101</td>
<td>8,000</td>
<td>-2,010</td>
<td>-20.1%</td>
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<tr>
<td>International affairs</td>
<td>18,878</td>
<td>22,878</td>
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<td>-22,878</td>
<td>-100.0%</td>
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<tr>
<td>Public Affairs</td>
<td>6,589</td>
<td>6,594</td>
<td>6,260</td>
<td>-334</td>
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<tr>
<td>Technology Transitions</td>
<td>6,876</td>
<td>8,050</td>
<td>9,080</td>
<td>+575</td>
<td>+6.8%</td>
</tr>
<tr>
<td>Strategic partnership projects (SPP)</td>
<td>40,000</td>
<td>40,000</td>
<td>40,000</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Subtotal, Departmental Administration (gross)</strong></td>
<td>428,652</td>
<td>423,047</td>
<td>390,015</td>
<td>-33,032</td>
<td>-7.8%</td>
</tr>
</tbody>
</table>

### Adjustments

<table>
<thead>
<tr>
<th>Use of prior year balances (CI)</th>
<th>---</th>
<th>-2,000</th>
<th>---</th>
<th>+2,000</th>
<th>+100.0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of prior year balances (OP)</td>
<td>---</td>
<td>-7,500</td>
<td>---</td>
<td>+7,500</td>
<td>+100.0%</td>
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<tr>
<td>Defense related administrative support</td>
<td>-16,726</td>
<td>-20,065</td>
<td>-54,538</td>
<td>-34,473</td>
<td>-171.8%</td>
</tr>
<tr>
<td>Funding from other defense activities (CFO)</td>
<td>-126,274</td>
<td>-131,624</td>
<td>-124,554</td>
<td>+7,070</td>
<td>+5.4%</td>
</tr>
<tr>
<td><strong>Total, Defense related administrative support</strong></td>
<td>-143,000</td>
<td>-151,689</td>
<td>-179,092</td>
<td>-27,403</td>
<td>-18.1%</td>
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<tr>
<td>Total, Adjustments</td>
<td>-143,000</td>
<td>-161,189</td>
<td>-179,092</td>
<td>-17,903</td>
<td>-11.1%</td>
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### Miscellaneous revenues

<table>
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<tr>
<th>Revenues associated with SPP</th>
<th>-40,000</th>
<th>-40,000</th>
<th>-40,000</th>
<th>0</th>
<th>N/A</th>
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</thead>
<tbody>
<tr>
<td>Other revenues</td>
<td>-56,000</td>
<td>-56,000</td>
<td>-53,378</td>
<td>+2,622</td>
<td>+4.7%</td>
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<tr>
<td><strong>Total, Miscellaneous revenues</strong></td>
<td>-96,000</td>
<td>-96,000</td>
<td>-93,378</td>
<td>-2,622</td>
<td>-2.7%</td>
</tr>
<tr>
<td><strong>Total, Departmental Administration (Net)</strong></td>
<td>189,652</td>
<td>165,858</td>
<td>117,545</td>
<td>-48,313</td>
<td>-29.1%</td>
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</table>

### Office of Inspector General

<table>
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<tr>
<th>Office of inspector general</th>
<th>49,000</th>
<th>51,330</th>
<th>54,215</th>
<th>+2,885</th>
<th>+5.6%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total, Office of Inspector General</strong></td>
<td>49,000</td>
<td>51,330</td>
<td>54,215</td>
<td>+2,885</td>
<td>+5.6%</td>
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### International Affairs

<table>
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<tr>
<th>International affairs</th>
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<th>36,100</th>
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### Title 17 - Innovative Technology Loan Guarantee Program

<table>
<thead>
<tr>
<th>Administrative expenses</th>
<th>33,000</th>
<th>33,000</th>
<th>3,000</th>
<th>-30,000</th>
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<tr>
<td>Offsetting collections</td>
<td>-2,108</td>
<td>-20,000</td>
<td>-3,000</td>
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<td>+85.0%</td>
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<tr>
<td><strong>Subtotal, Title 17 - Innovative Technology Loan Guarantee Program</strong></td>
<td>30,892</td>
<td>13,000</td>
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<td>-13,000</td>
<td>-100.0%</td>
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<tr>
<td>Rescission of prior year balances (Gen. Prov.)</td>
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<td>-160,659</td>
<td>-160,659</td>
<td>N/A</td>
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<tr>
<td><strong>Total, Title 17 - Innovative Technology Loan Guarantee Program</strong></td>
<td>30,892</td>
<td>13,000</td>
<td>-160,659</td>
<td>-173,659</td>
<td>-1,335.8%</td>
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### Tribal Energy Loan Guarantee Program

<table>
<thead>
<tr>
<th>Administrative expenses</th>
<th>1,000</th>
<th>1,000</th>
<th>---</th>
<th>-1,000</th>
<th>-100.0%</th>
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<tbody>
<tr>
<td>Cancellation</td>
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<td>-8,500</td>
<td>-8,500</td>
<td>N/A</td>
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<tr>
<td><strong>Total, Tribal Energy Loan Guarantee Program</strong></td>
<td>1,000</td>
<td>1,000</td>
<td>-8,500</td>
<td>-9,500</td>
<td>-95.0%</td>
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</table>

### Advanced Technology Vehicles Manufacturing Loan Program

<table>
<thead>
<tr>
<th>Administrative expenses</th>
<th>5,000</th>
<th>5,000</th>
<th>---</th>
<th>-5,000</th>
<th>-100.0%</th>
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</thead>
<tbody>
<tr>
<td><strong>Total, Advanced Technology Vehicles Manufacturing Loan Program</strong></td>
<td>5,000</td>
<td>5,000</td>
<td>---</td>
<td>-5,000</td>
<td>-100.0%</td>
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<td>FY 2018 Total Enacted Appropriation</td>
<td>FY 2019 Enacted Appropriation</td>
<td>FY 2020 Congressional Request</td>
<td>FY 2020 Request vs FY 2019 Enacted</td>
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<td>--------------------</td>
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<td>-------------------------------</td>
<td>-------------------------------</td>
<td>-----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Federal Salaries and Expenses</td>
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<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>407,595</td>
<td>410,000</td>
<td>434,699</td>
<td>+24,699</td>
<td>+6.0%</td>
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<tr>
<td>Weapons Activities</td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>Directed stockpile work</td>
<td>4,009,447</td>
<td>4,658,266</td>
<td>5,426,357</td>
<td>+768,091</td>
<td>+16.5%</td>
</tr>
<tr>
<td>Research, development, test, and evaluation (RDT&amp;E)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>474,524</td>
<td>480,484</td>
<td>586,561</td>
<td>+106,077</td>
<td>+22.1%</td>
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<tr>
<td>Engineering</td>
<td>183,123</td>
<td>190,123</td>
<td>233,954</td>
<td>+43,831</td>
<td>+23.1%</td>
</tr>
<tr>
<td>Inertial confinement fusion and high yield</td>
<td>544,934</td>
<td>544,934</td>
<td>480,595</td>
<td>-64,339</td>
<td>-11.8%</td>
</tr>
<tr>
<td>Advanced simulation and computing</td>
<td>746,244</td>
<td>717,119</td>
<td>839,849</td>
<td>+122,730</td>
<td>+17.1%</td>
</tr>
<tr>
<td>Advanced manufacturing development</td>
<td>85,540</td>
<td>81,558</td>
<td>136,908</td>
<td>+55,350</td>
<td>+67.9%</td>
</tr>
<tr>
<td>Total, RDT&amp;E</td>
<td>2,034,365</td>
<td>2,014,218</td>
<td>2,277,867</td>
<td>+263,649</td>
<td>+13.1%</td>
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<tr>
<td>Infrastructure and operations</td>
<td>3,117,803</td>
<td>3,087,852</td>
<td>3,208,442</td>
<td>+120,590</td>
<td>+3.9%</td>
</tr>
<tr>
<td>Secure transportation assets</td>
<td>291,168</td>
<td>278,639</td>
<td>317,162</td>
<td>+38,523</td>
<td>+13.8%</td>
</tr>
<tr>
<td>Defense nuclear security</td>
<td>770,577</td>
<td>690,638</td>
<td>778,213</td>
<td>+87,575</td>
<td>+12.7%</td>
</tr>
<tr>
<td>Information technology and cybersecurity</td>
<td>186,728</td>
<td>221,175</td>
<td>309,362</td>
<td>+86,187</td>
<td>+39.9%</td>
</tr>
<tr>
<td>Directed stockpile work</td>
<td>232,050</td>
<td>162,292</td>
<td>91,200</td>
<td>-71,092</td>
<td>-43.8%</td>
</tr>
<tr>
<td>Program direction</td>
<td>407,595</td>
<td>410,000</td>
<td>434,699</td>
<td>+24,699</td>
<td>+6.0%</td>
</tr>
<tr>
<td>Directed stockpile work</td>
<td>47,651</td>
<td>48,709</td>
<td>50,500</td>
<td>+1,791</td>
<td>+3.7%</td>
</tr>
<tr>
<td>Naval reactors development</td>
<td>473,065</td>
<td>514,951</td>
<td>531,205</td>
<td>+16,254</td>
<td>+3.2%</td>
</tr>
<tr>
<td>CTR-Clad development</td>
<td>156,700</td>
<td>138,000</td>
<td>75,500</td>
<td>-62,500</td>
<td>-45.3%</td>
</tr>
<tr>
<td>SBG Prototype refueling</td>
<td>250,000</td>
<td>250,000</td>
<td>155,000</td>
<td>-95,000</td>
<td>-38.0%</td>
</tr>
<tr>
<td>Naval reactors operations and infrastructure</td>
<td>466,884</td>
<td>525,764</td>
<td>533,591</td>
<td>+7,827</td>
<td>+5.3%</td>
</tr>
<tr>
<td>Program direction</td>
<td>47,651</td>
<td>48,709</td>
<td>50,500</td>
<td>+1,791</td>
<td>+3.7%</td>
</tr>
<tr>
<td>Construction</td>
<td>225,700</td>
<td>311,194</td>
<td>282,600</td>
<td>-29,594</td>
<td>-9.2%</td>
</tr>
<tr>
<td>Subtotal, Naval Reactors</td>
<td>1,620,000</td>
<td>1,788,618</td>
<td>1,649,396</td>
<td>-140,222</td>
<td>-7.8%</td>
</tr>
<tr>
<td>Transfer to NE - Advanced Test Reactor (non-add)</td>
<td>(-65,500)</td>
<td>(-65,500)</td>
<td>(----)</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Total, Naval Reactors</td>
<td>1,620,000</td>
<td>1,788,618</td>
<td>1,649,396</td>
<td>-140,222</td>
<td>-7.8%</td>
</tr>
<tr>
<td>FY 2018 Total Enacted</td>
<td>FY 2019 Enacted</td>
<td>FY 2020 Congressional Request</td>
<td>FY 2020 Request vs FY 2019 Enacted</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------</td>
<td>-----------------------------</td>
<td>-----------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Appropriation</td>
<td>Enacted Approx.</td>
<td>$</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td><strong>Defense Environmental Cleanup</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closure sites</td>
<td>4,889</td>
<td>4,889</td>
<td>4,987</td>
<td>+98</td>
<td>+2.0%</td>
</tr>
<tr>
<td>Richland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River corridor and other cleanup operations</td>
<td>183,692</td>
<td>193,692</td>
<td>139,750</td>
<td>-53,942</td>
<td>-27.8%</td>
</tr>
<tr>
<td>Central plateau remediation</td>
<td>662,879</td>
<td>660,358</td>
<td>472,949</td>
<td>-187,409</td>
<td>-28.4%</td>
</tr>
<tr>
<td>Richland community and regulatory support</td>
<td>10,121</td>
<td>10,121</td>
<td>5,121</td>
<td>-5,000</td>
<td>-49.4%</td>
</tr>
<tr>
<td>Construction</td>
<td>6,500</td>
<td>1,000</td>
<td>11,000</td>
<td>+10,000</td>
<td>+100.0%</td>
</tr>
<tr>
<td>Total, Richland</td>
<td>863,192</td>
<td>865,171</td>
<td>626,820</td>
<td>-236,351</td>
<td>-27.3%</td>
</tr>
<tr>
<td>Office of River Protection</td>
<td>1,560,000</td>
<td>1,573,000</td>
<td>1,392,460</td>
<td>-180,540</td>
<td>-11.5%</td>
</tr>
<tr>
<td>Idaho National Laboratory</td>
<td>434,071</td>
<td>433,200</td>
<td>334,854</td>
<td>-98,346</td>
<td>-22.7%</td>
</tr>
<tr>
<td>NNSA sites and Nevada off-sites</td>
<td>388,711</td>
<td>324,440</td>
<td>403,878</td>
<td>+79,438</td>
<td>+24.5%</td>
</tr>
<tr>
<td>Oak Ridge Reservation</td>
<td>400,219</td>
<td>410,000</td>
<td>292,781</td>
<td>-117,219</td>
<td>-28.6%</td>
</tr>
<tr>
<td>Savannah River Sites</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savannah River risk management operations</td>
<td>482,960</td>
<td>489,460</td>
<td>490,613</td>
<td>+1,153</td>
<td>+0.2%</td>
</tr>
<tr>
<td>Construction</td>
<td>500</td>
<td>1,259</td>
<td>6,792</td>
<td>+5,533</td>
<td>+439.5%</td>
</tr>
<tr>
<td>Total, Savannah River risk management operations</td>
<td>483,460</td>
<td>490,719</td>
<td>497,405</td>
<td>+6,686</td>
<td>+1.4%</td>
</tr>
<tr>
<td>Subtotal, Defense environmental cleanup</td>
<td>5,988,048</td>
<td>6,024,000</td>
<td>5,522,063</td>
<td>-501,937</td>
<td>-8.3%</td>
</tr>
<tr>
<td>Rescission</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rescission of prior year balances</td>
<td>---</td>
<td>---</td>
<td>-15,562</td>
<td>-15,562</td>
<td>N/A</td>
</tr>
<tr>
<td>Use of prior year balances (Gen. Prov.)</td>
<td>---</td>
<td>-4,600</td>
<td>---</td>
<td>+4,600</td>
<td>+100.0%</td>
</tr>
<tr>
<td>Total, Defense Environmental Cleanup</td>
<td>5,988,048</td>
<td>6,024,000</td>
<td>5,526,501</td>
<td>-497,500</td>
<td>-8.6%</td>
</tr>
</tbody>
</table>

| **Other Defense Activities** | | | 
| Environment, health, safety and security | 130,693 | 133,839 | 139,628 | +5,789 | +4.3% |
| Total, Environment, Health, safety and security | 196,946 | 202,339 | 212,509 | +9,170 | +4.4% |
| Enterprise assessments | | | 
| Independent enterprise assessments | 24,068 | 24,068 | 24,068 | 0 | N/A |
| Program direction | 50,863 | 52,702 | 57,211 | +4,509 | +8.6% |
| Total, Enterprise assessments | 74,931 | 76,770 | 81,279 | +4,509 | +5.9% |
| Specialized security activities | 262,912 | 266,378 | 254,578 | -11,800 | -4.4% |
| Office of Legacy Management | 137,674 | 140,575 | 283,767 | +143,192 | +101.9% |
| Program direction | 16,932 | 18,302 | 19,262 | +960 | +5.2% |
| Total, Office of Legacy Management | 154,606 | 158,877 | 303,029 | +144,152 | +90.7% |
| Defense related administrative support | | | 
| Chief financial officer | 16,726 | 20,065 | 54,538 | +34,473 | +171.8% |
| Chief information officer | 126,274 | 131,624 | 124,554 | -7,070 | -5.4% |
| Total, Defense related administrative support | 143,000 | 151,689 | 179,092 | +27,403 | +18.1% |
| Office of hearings and appeals | 5,605 | 5,739 | 4,852 | -887 | -15.5% |
| Subtotal, Other defense activities | 840,000 | 862,292 | 1,035,339 | +173,047 | +20.1% |
| Use of prior year balances (HA) | --- | -2,000 | --- | +2,000 | +100.0% |
| Total, Other Defense Activities | 840,000 | 860,292 | 1,035,339 | +175,047 | +20.3% |

| **Defense Nuclear Waste Disposal** | | | 
| Yucca mountain and interim storage | --- | --- | 26,000 | +26,000 | N/A |
| Total, Defense Nuclear Waste | --- | --- | 26,000 | +26,000 | N/A |
## Power Marketing Administrations

### Southeastern Power Administration
- **Southeastern power administration**: 72,449, 75,324, 87,016; +11,692 (+15.5%)
- **Less alternative financing (for PFW)/Offsetting collection**: -72,449, -75,324, -87,016; -11,692 (-15.5%)
- **Total, Southeastern Power Administration**: ----, ----, ----; 0 (N/A)

### Southwestern Power Administration
- **Southwestern power administration**: 112,947, 126,876, 156,863; +29,987 (+23.6%)
- **Less alternative financing/Offsetting collection**: -87,347, -116,476, -146,463; -29,987 (-25.7%)
- **Use of Prior Year Balances**: -14,200, ----, ----; 0 (N/A)
- **Total, Southwestern Power Administration**: 11,400, 10,400, 10,400; 0 (N/A)

### Western Area Power Administration
- **Western Area Power Administration (CROM)**
  - **Western area power administration (CROM)**: 858,473, 834,567, 915,804; +81,237 (+9.7%)
  - **Less alternative financing/Offsetting collection (P.L. 108-477/109-103)**: -765,101, -745,195, -826,432; -81,237 (-10.9%)
  - **Rescission of prior year balances**: ----, ----, -176; 0 (N/A)
- **Total, Western Area Power Administration (CROM)**: 93,372, 89,372, 89,196; -176 (-0.2%)

### Falcon and Amistad Operating and Maintenance Fund
- **Operation and maintenance**: 5,048, 4,440, 5,647; +1,207 (+27.2%)
- **Offsetting collections**: -3,948, -1,340, -1,187; -2,367 (-118.8%)
- **Less alternative financing**: -872, -372, -1,187; -815 (-219.1%)
- **Use of prior year balances**: ----, -2,500, -1,300; +1,200 (+48.0%)
- **Total, Falcon and Amistad Fund**: 228, 228, 228; 0 (N/A)

### Colorado River Basins Power Marketing Fund
- **Spending authority from offsetting collections**: 185,396, 220,337, 220,244; -93 (-0.0%)
- **Offsetting collections**: -208,396, -243,337, -241,644; +1,693 (+0.7%)
- **Total, Colorado River Basins Power Marketing Fund**: -23,000, -23,000, -21,400; +1,600 (+7.0%)
- **Total, Western Area Power Administration**: 70,600, 66,600, 68,024; +1,424 (+2.1%)
- **Total, Power Marketing Administrations**: 72,000, 67,000, 68,424; +1,424 (+2.1%)

## Federal Energy Regulatory Commission
- **Federal energy regulatory commission**: 367,600, 369,900, 382,000; +12,100 (+3.3%)
- **FERC revenues**: -367,600, -369,900, -382,000; -12,100 (-3.3%)
- **Total, Federal Energy Regulatory Commission**: ----, ----, ----; 0 (N/A)

## Fees and Recoveries, Federal Energy Regulatory Commission
- **Fees & Recoveries In Excess of Annual Appropriations**: -9,000, -16,000, -16,000; 0 (N/A)

## Title XVII Loan Guar. Prog Section 1703
- **Negative Credit Subsidy Receipt**: ----, -107,000, -15,000; +92,000 (+86.0%)
- **Sale of Northeast Gasoline Supply Reserve (NGSR)**: ----, ----, -75,000; -75,000 (N/A)
- **Sale of Northeast Home Heating Oil Reserve**: ----, ----, -82,000; -82,000 (N/A)