

Department of Energy  
FY 2020 Summary Control Table by Organization  
(dollars in thousands - OMB Scoring)

|                                                                                                  | FY 2018<br>Total Enacted<br>Appro. | FY 2019<br>Enacted<br>Appro. | FY 2020<br>Congressional<br>Request | FY 2020 Request vs<br>FY 2019 Enacted |           |
|--------------------------------------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|-----------|
|                                                                                                  |                                    |                              |                                     | \$                                    | %         |
| <b>Department of Energy by Organization</b>                                                      |                                    |                              |                                     |                                       |           |
| Discretionary Summary by Organization                                                            |                                    |                              |                                     |                                       |           |
| Under Secretary for Nuclear Security and<br>National Nuclear Security Administration             |                                    |                              |                                     |                                       |           |
| Federal Salaries and Expenses.....                                                               | 407,595                            | 410,000                      | 434,699                             | +24,699                               | +6.0%     |
| Weapons Activities.....                                                                          | 10,642,138                         | 11,100,000                   | 12,408,603                          | +1,308,603                            | +11.8%    |
| Defense Nuclear Nonproliferation.....                                                            | 1,999,219                          | 1,930,000                    | 1,993,302                           | +63,302                               | +3.3%     |
| Naval Reactors.....                                                                              | 1,620,000                          | 1,788,618                    | 1,648,396                           | -140,222                              | -7.8%     |
| Total, Under Secretary for Nuclear Security and<br>National Nuclear Security Administration..... | 14,668,952                         | 15,228,618                   | 16,485,000                          | +1,256,382                            | +8.3%     |
| Under Secretary for Energy                                                                       |                                    |                              |                                     |                                       |           |
| Energy Programs                                                                                  |                                    |                              |                                     |                                       |           |
| Energy Efficiency and Renewable Energy.....                                                      | 2,321,778                          | 2,379,000                    | 343,000                             | -2,036,000                            | -85.6%    |
| Electricity Delivery & Energy Reliability.....                                                   | 261,329                            | ----                         | ----                                | 0                                     | N/A       |
| Office of Electricity Delivery.....                                                              | ----                               | 156,000                      | 182,500                             | +26,500                               | +17.0%    |
| Power Marketing Administrations.....                                                             | 82,000                             | 77,000                       | 78,424                              | +1,424                                | +1.8%     |
| Office of Cybersecurity, Energy Security<br>and Emergency Response.....                          | ----                               | 120,000                      | 156,500                             | +36,500                               | +30.4%    |
| Fossil Energy Petroleum Reserves <sup>1</sup> .....                                              | 280,516                            | 265,000                      | 215,000                             | -50,000                               | -18.9%    |
| Fossil Energy.....                                                                               | 726,817                            | 740,000                      | 562,000                             | -178,000                              | -24.1%    |
| Nuclear Energy.....                                                                              | 1,205,056                          | 1,326,090                    | 824,000                             | -502,090                              | -37.9%    |
| Yucca Mountain and Interim Storage.....                                                          | ----                               | ----                         | 116,000                             | +116,000                              | N/A       |
| Energy Policy and Systems Analysis.....                                                          | 10,432                             | ----                         | ----                                | 0                                     | N/A       |
| Office of Indian Energy.....                                                                     | 18,000                             | ----                         | ----                                | 0                                     | N/A       |
| Office of Indian Energy Policy and Programs.....                                                 | ----                               | 18,000                       | 8,000                               | -10,000                               | -55.6%    |
| Office of Policy.....                                                                            | ----                               | 2,510                        | 8,000                               | +5,490                                | +218.7%   |
| Project Management Oversight Assessment.....                                                     | 15,192                             | 15,005                       | 14,255                              | -750                                  | -5.0%     |
| Environment, Health, Safety and Security<br>Mission Support.....                                 | 198,946                            | 202,839                      | 212,509                             | +9,670                                | +4.8%     |
| Credit Programs                                                                                  |                                    |                              |                                     |                                       |           |
| Title 17 - Innovative Technology                                                                 |                                    |                              |                                     |                                       |           |
| Loan Guarantee Program.....                                                                      | 30,892                             | 13,000                       | -160,659                            | -173,659                              | -1,335.8% |
| Advanced technology vehicles manufacturing<br>loan program.....                                  | 5,000                              | 5,000                        | ----                                | -5,000                                | -100.0%   |
| Tribal energy loan guarantee program.....                                                        | 1,000                              | 1,000                        | -8,500                              | -9,500                                | -950.0%   |
| Total, Credit Programs.....                                                                      | 36,892                             | 19,000                       | -169,159                            | -188,159                              | -990.3%   |
| Other Energy Programs                                                                            |                                    |                              |                                     |                                       |           |
| Advanced Research Projects Agency - Energy.....                                                  | 353,314                            | 366,000                      | -287,000                            | -653,000                              | -178.4%   |
| Energy Information Administration.....                                                           | 125,000                            | 125,000                      | 118,000                             | -7,000                                | -5.6%     |
| Total, Other Energy Programs.....                                                                | 478,314                            | 491,000                      | -169,000                            | -660,000                              | -134.4%   |
| Total, Under Secretary for Energy.....                                                           | 5,635,272                          | 5,811,444                    | 2,382,029                           | -3,429,415                            | -59.0%    |
| Under Secretary for Science                                                                      |                                    |                              |                                     |                                       |           |
| Science.....                                                                                     | 6,259,903                          | 6,585,000                    | 5,545,972                           | -1,039,028                            | -15.8%    |
| Environmental Management.....                                                                    | 7,126,448                          | 7,175,129                    | 6,469,093                           | -706,036                              | -9.8%     |
| Office of Legacy Management.....                                                                 | 154,606                            | 158,877                      | 303,029                             | +144,152                              | +90.7%    |
| Office of Technology Transitions (OTT).....                                                      | 6,876                              | 8,505                        | 9,080                               | +575                                  | +6.8%     |
| Total, Under Secretary for Science.....                                                          | 13,547,833                         | 13,927,511                   | 12,327,174                          | -1,600,337                            | -11.5%    |
| Other Department Offices                                                                         |                                    |                              |                                     |                                       |           |
| Departmental Administration (Direct Reports)                                                     |                                    |                              |                                     |                                       |           |
| Chief Information Officer.....                                                                   | 126,274                            | 131,624                      | 124,554                             | -7,070                                | -5.4%     |
| Management.....                                                                                  | 54,745                             | 55,385                       | 54,358                              | -1,027                                | -1.9%     |
| Chief Human Capital Officer.....                                                                 | 25,513                             | 26,125                       | 24,316                              | -1,809                                | -6.9%     |
| Economic Impact and Diversity.....                                                               | 10,169                             | 10,169                       | 9,494                               | -675                                  | -6.6%     |
| Office of the Secretary.....                                                                     | 5,300                              | 5,395                        | 5,119                               | -276                                  | -5.1%     |
| Chief Financial Officer.....                                                                     | 48,484                             | 48,912                       | 52,000                              | +3,088                                | +6.3%     |
| Congressional and Intergovernmental Affairs.....                                                 | 6,200                              | 4,200                        | 5,895                               | +1,695                                | +40.4%    |
| Public Affairs.....                                                                              | 6,589                              | 6,594                        | 6,260                               | -334                                  | -5.1%     |
| General Counsel.....                                                                             | 33,000                             | 33,075                       | 33,075                              | 0                                     | N/A       |
| International Affairs.....                                                                       | 18,878                             | 22,878                       | ----                                | -22,878                               | -100.0%   |
| Office of Small and Disadvantaged<br>Business Utilization.....                                   | 3,000                              | 3,170                        | 3,609                               | +439                                  | +13.8%    |
| Strategic Partnership Projects and Revenues.....                                                 | -56,000                            | -56,000                      | -53,378                             | +2,622                                | +4.7%     |
| Total, Departmental Administration.....                                                          | 282,152                            | 291,527                      | 265,302                             | -26,225                               | -9.0%     |
| Other Defense Activities (Direct Reports)                                                        |                                    |                              |                                     |                                       |           |
| Office of 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%     |
| Hearings and Appeals.....                                                                        | 5,605                              | 3,739                        | 4,852                               | +1,113                                | +29.8%    |
| Total, Other Defense Activities.....                                                             | 343,448                            | 346,887                      | 340,709                             | -6,178                                | -1.8%     |
| Inspector General.....                                                                           | 49,000                             | 51,330                       | 54,215                              | +2,885                                | +5.6%     |

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|-------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                       |                                    |                              |                                     | \$                                    | %             |
| International Affairs.....                            | ----                               | ----                         | 36,100                              | +36,100                               | N/A           |
| Total, Other Department Offices.....                  | 674,600                            | 689,744                      | 696,326                             | +6,582                                | +1.0%         |
| Federal Energy Regulatory Commission.....             | -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           |
| Total, Discretionary Funding.....                     | <b>34,517,657</b>                  | <b>35,534,317</b>            | <b>31,702,529</b>                   | <b>-3,831,788</b>                     | <b>-10.8%</b> |

<sup>1</sup> 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.

Memo: Total Discretionary by budget function

|                                                |               |               |               |
|------------------------------------------------|---------------|---------------|---------------|
| (Defense (050) function, non-add).....         | ( 21,630,000) | ( 22,259,000) | ( 23,190,648) |
| (Non-Defense (250/270) function, non-add)..... | ( 12,887,657) | ( 13,275,317) | ( 8,511,881)  |
| (Science (250) function, non-add).....         | ( 6,259,903)  | ( 6,585,000)  | ( 5,545,972)  |
| (Energy (270) function, non-add).....          | ( 6,627,754)  | ( 6,690,317)  | ( 2,965,909)  |

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|                                                                                                          |                                    |                              |                                     | \$                                    | %             |
| <b>Under Secretary for Nuclear Security and<br/>National Nuclear Security Administration</b>             |                                    |                              |                                     |                                       |               |
| NNSA Federal Salaries and Expenses                                                                       |                                    |                              |                                     |                                       |               |
| Federal Salaries and Expenses                                                                            |                                    |                              |                                     |                                       |               |
| Program direction.....                                                                                   | 407,595                            | 410,000                      | 434,699                             | +24,699                               | +6.0%         |
| Total, NNSA Federal Salaries and Expenses.....                                                           | <b>407,595</b>                     | <b>410,000</b>               | <b>434,699</b>                      | <b>+24,699</b>                        | <b>+6.0%</b>  |
|                                                                                                          |                                    |                              |                                     |                                       |               |
| Weapons Activities                                                                                       |                                    |                              |                                     |                                       |               |
| Directed stockpile work.....                                                                             | 4,009,447                          | 4,658,266                    | 5,426,357                           | +768,091                              | +16.5%        |
| Research, development, test, and evaluation (RDT&E)                                                      |                                    |                              |                                     |                                       |               |
| Science.....                                                                                             | 474,524                            | 480,484                      | 586,561                             | +106,077                              | +22.1%        |
| Engineering.....                                                                                         | 183,123                            | 190,123                      | 233,954                             | +43,831                               | +23.1%        |
| Inertial confinement fusion and high<br>yield.....                                                       | 544,934                            | 544,934                      | 480,595                             | -64,339                               | -11.8%        |
| Advanced simulation and computing.....                                                                   | 746,244                            | 717,119                      | 839,849                             | +122,730                              | +17.1%        |
| Advanced manufacturing development.....                                                                  | 85,540                             | 81,558                       | 136,908                             | +55,350                               | +67.9%        |
| Total, RDT&E.....                                                                                        | 2,034,365                          | 2,014,218                    | 2,277,867                           | +263,649                              | +13.1%        |
| Infrastructure and operations.....                                                                       | 3,117,803                          | 3,087,852                    | 3,208,442                           | +120,590                              | +3.9%         |
| Secure transportation asset.....                                                                         | 291,168                            | 278,639                      | 317,162                             | +38,523                               | +13.8%        |
| Defense nuclear security.....                                                                            | 770,577                            | 690,638                      | 778,213                             | +87,575                               | +12.7%        |
| Information technology and cybersecurity.....                                                            | 186,728                            | 221,175                      | 309,362                             | +88,187                               | +39.9%        |
| Legacy contractor pensions.....                                                                          | 232,050                            | 162,292                      | 91,200                              | -71,092                               | -43.8%        |
| Subtotal, Weapons activities.....                                                                        | 10,642,138                         | 11,113,080                   | 12,408,603                          | +1,295,523                            | +11.7%        |
| Adjustments                                                                                              |                                    |                              |                                     |                                       |               |
| Use of prior year balances.....                                                                          | ---                                | -13,080                      | ---                                 | +13,080                               | +100.0%       |
| Total, Adjustments.....                                                                                  | ---                                | -13,080                      | ---                                 | +13,080                               | +100.0%       |
| Total, Weapons Activities.....                                                                           | <b>10,642,138</b>                  | <b>11,100,000</b>            | <b>12,408,603</b>                   | <b>+1,308,603</b>                     | <b>+11.8%</b> |
|                                                                                                          |                                    |                              |                                     |                                       |               |
| Defense Nuclear Nonproliferation                                                                         |                                    |                              |                                     |                                       |               |
| Defense Nuclear Nonproliferation Programs                                                                |                                    |                              |                                     |                                       |               |
| Material management and minimization.....                                                                | 308,594                            | 293,794                      | 333,533                             | +39,739                               | +13.5%        |
| Global material security.....                                                                            | 390,108                            | 407,108                      | 342,350                             | -64,758                               | -15.9%        |
| Nonproliferation and arms control.....                                                                   | 134,703                            | 129,703                      | 137,267                             | +7,564                                | +5.8%         |
| Defense Nuclear Nonproliferation R&D.....                                                                | 556,504                            | 575,570                      | 495,357                             | -80,213                               | -13.9%        |
| Nonproliferation construction.....                                                                       | 335,000                            | 220,000                      | 299,000                             | +79,000                               | +35.9%        |
| Total, Defense Nuclear Nonproliferation Programs.....                                                    | 1,724,909                          | 1,626,175                    | 1,607,507                           | -18,668                               | -1.1%         |
| Legacy contractor pensions.....                                                                          | 40,950                             | 28,640                       | 13,700                              | -14,940                               | -52.2%        |
| Nuclear counterterrorism and incident response<br>program                                                |                                    |                              |                                     |                                       |               |
| Nuclear counterterrorism and incident response.....                                                      | 282,360                            | 319,185                      | ---                                 | -319,185                              | -100.0%       |
| Emergency Operations.....                                                                                | ---                                | ---                          | 35,545                              | +35,545                               | N/A           |
| Counterterrorism and counterproliferation.....response                                                   | ---                                | ---                          | 336,550                             | +336,550                              | N/A           |
| Total, Nuclear counterterrorism and incident response<br>program.....                                    | 282,360                            | 319,185                      | 372,095                             | +52,910                               | +16.6%        |
| Subtotal, Defense Nuclear Nonproliferation.....                                                          | 2,048,219                          | 1,974,000                    | 1,993,302                           | +19,302                               | +1.0%         |
| Adjustments                                                                                              |                                    |                              |                                     |                                       |               |
| Use of prior year balances.....                                                                          | ---                                | -25,000                      | ---                                 | +25,000                               | +100.0%       |
| Total, Adjustments.....                                                                                  | ---                                | -25,000                      | ---                                 | +25,000                               | +100.0%       |
| Subtotal, Defense Nuclear Nonproliferation.....                                                          | 2,048,219                          | 1,949,000                    | 1,993,302                           | +44,302                               | +2.3%         |
| Rescission                                                                                               |                                    |                              |                                     |                                       |               |
| Rescission of prior year balances.....                                                                   | -49,000                            | ---                          | ---                                 | 0                                     | N/A           |
| Rescission of prior year balances (Gen. Prov.).....                                                      | ---                                | -19,000                      | ---                                 | +19,000                               | +100.0%       |
| Total, Defense Nuclear Nonproliferation.....                                                             | <b>1,999,219</b>                   | <b>1,930,000</b>             | <b>1,993,302</b>                    | <b>+63,302</b>                        | <b>+3.3%</b>  |
|                                                                                                          |                                    |                              |                                     |                                       |               |
| Naval Reactors                                                                                           |                                    |                              |                                     |                                       |               |
| Naval reactors development.....                                                                          | 473,065                            | 514,951                      | 531,205                             | +16,254                               | +3.2%         |
| Columbia-Class reactor systems development.....                                                          | 156,700                            | 138,000                      | 75,500                              | -62,500                               | -45.3%        |
| S8G Prototype refueling.....                                                                             | 250,000                            | 250,000                      | 155,000                             | -95,000                               | -38.0%        |
| Naval reactors operations and infrastructure.....                                                        | 466,884                            | 525,764                      | 553,591                             | +27,827                               | +5.3%         |
| Program direction.....                                                                                   | 47,651                             | 48,709                       | 50,500                              | +1,791                                | +3.7%         |
| Construction.....                                                                                        | 225,700                            | 311,194                      | 282,600                             | -28,594                               | -9.2%         |
| Subtotal, Naval Reactors.....                                                                            | 1,620,000                          | 1,788,618                    | 1,648,396                           | -140,222                              | -7.8%         |
| Transfer to NE - Advanced Test Reactor (non-add).....                                                    | (-85,500)                          | (-85,500)                    | ( ---)                              | 0                                     | N/A           |
| Total, Naval Reactors.....                                                                               | <b>1,620,000</b>                   | <b>1,788,618</b>             | <b>1,648,396</b>                    | <b>-140,222</b>                       | <b>-7.8%</b>  |
| <b>Total, Under Secretary for Nuclear Security and<br/>National Nuclear Security Administration.....</b> | <b>14,668,952</b>                  | <b>15,228,618</b>            | <b>16,485,000</b>                   | <b>+1,256,382</b>                     | <b>+8.3%</b>  |

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|-----------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                                       |                                    |                              |                                     | \$                                    | %             |
| <b>Assistant Secretary for Energy Efficiency and Renewable Energy</b> |                                    |                              |                                     |                                       |               |
| Energy Efficiency and Renewable Energy                                |                                    |                              |                                     |                                       |               |
| Energy Efficiency and Renewable Energy RDD&D                          |                                    |                              |                                     |                                       |               |
| Sustainable transportation:                                           |                                    |                              |                                     |                                       |               |
| Vehicle technologies.....                                             | 337,500                            | 344,000                      | 73,400                              | -270,600                              | -78.7%        |
| Bioenergy technologies.....                                           | 221,545                            | 226,000                      | 40,000                              | -186,000                              | -82.3%        |
| Hydrogen and fuel cell technologies.....                              | 115,000                            | 120,000                      | 44,000                              | -76,000                               | -63.3%        |
| Total, Sustainable transportation.....                                | 674,045                            | 690,000                      | 157,400                             | -532,600                              | -77.2%        |
| Renewable power:                                                      |                                    |                              |                                     |                                       |               |
| Solar energy technologies.....                                        | 241,600                            | 246,500                      | 67,000                              | -179,500                              | -72.8%        |
| Wind energy technologies.....                                         | 92,000                             | 92,000                       | 23,700                              | -68,300                               | -74.2%        |
| Water power technologies.....                                         | 105,000                            | 105,000                      | 45,000                              | -60,000                               | -57.1%        |
| Geothermal technologies.....                                          | 80,906                             | 84,000                       | 28,000                              | -56,000                               | -66.7%        |
| Total, Renewable power.....                                           | 519,506                            | 527,500                      | 163,700                             | -363,800                              | -69.0%        |
| Energy efficiency:                                                    |                                    |                              |                                     |                                       |               |
| Advanced Manufacturing.....                                           | 305,000                            | 320,000                      | 80,500                              | -239,500                              | -74.8%        |
| Federal energy management program.....                                | 27,000                             | 30,000                       | 8,400                               | -21,600                               | -72.0%        |
| Building Technologies.....                                            | 220,727                            | 226,000                      | 57,000                              | -169,000                              | -74.8%        |
| Weatherization and intergovernmental programs                         |                                    |                              |                                     |                                       |               |
| Weatherization                                                        |                                    |                              |                                     |                                       |               |
| Weatherization assistance program.....                                | 248,000                            | 254,000                      | ----                                | -254,000                              | -100.0%       |
| Training and technical assistance.....                                | 3,000                              | 3,000                        | ----                                | -3,000                                | -100.0%       |
| Total, Weatherization.....                                            | 251,000                            | 257,000                      | ----                                | -257,000                              | -100.0%       |
| State energy program grants.....                                      | 55,000                             | 55,000                       | ----                                | -55,000                               | -100.0%       |
| Total, Weatherization & intergovernmental programs.....               | 306,000                            | 312,000                      | ----                                | -312,000                              | -100.0%       |
| Total, Energy efficiency.....                                         | 858,727                            | 888,000                      | 145,900                             | -742,100                              | -83.6%        |
| Corporate support programs:                                           |                                    |                              |                                     |                                       |               |
| Program direction                                                     |                                    |                              |                                     |                                       |               |
| Salaries and Benefits.....                                            | 103,738                            | 103,681                      | 76,600                              | -27,081                               | -26.1%        |
| Travel.....                                                           | 4,091                              | 4,151                        | 2,300                               | -1,851                                | -44.6%        |
| Support Services.....                                                 | 8,445                              | 9,644                        | 8,100                               | -1,544                                | -16.0%        |
| Other Related Expenses.....                                           | 46,226                             | 45,024                       | 35,000                              | -10,024                               | -22.3%        |
| Total, Program direction.....                                         | 162,500                            | 162,500                      | 122,000                             | -40,500                               | -24.9%        |
| Strategic programs.....                                               | 15,000                             | 14,000                       | ----                                | -14,000                               | -100.0%       |
| Facilities and infrastructure (NREL O&M).....                         | 92,000                             | 97,000                       | 107,000                             | +10,000                               | +10.3%        |
| Total, Corporate support programs.....                                | 269,500                            | 273,500                      | 229,000                             | -44,500                               | -16.3%        |
| Subtotal, Energy Efficiency and Renew. Energy RDD.....                | 2,321,778                          | 2,379,000                    | 696,000                             | -1,683,000                            | -70.7%        |
| Adjustments:                                                          |                                    |                              |                                     |                                       |               |
| Use of prior year balances (EE).....                                  | ----                               | ----                         | -353,000                            | -353,000                              | N/A           |
| <b>Total, Energy Efficiency and Renewable Energy.....</b>             | <b>2,321,778</b>                   | <b>2,379,000</b>             | <b>343,000</b>                      | <b>-2,036,000</b>                     | <b>-85.6%</b> |
| (Total, Federal Energy Assistance grants, non-add).....               | ( 306,000)                         | ( 312,000)                   | ( ----)                             |                                       |               |
| (Total, EERE RDD&D, non-add).....                                     | ( 2,015,778)                       | ( 2,067,000)                 | ( 343,000)                          |                                       |               |
| <b>Office of Electricity Delivery and Reliability</b>                 |                                    |                              |                                     |                                       |               |
| Electricity Delivery & 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           |
| <b>Total, Electricity Delivery and Energy Reliability.....</b>        | <b>261,329</b>                     | <b>----</b>                  | <b>----</b>                         | <b>0</b>                              | <b>N/A</b>    |
| <b>Office of Electricity (Delivery)</b>                               |                                    |                              |                                     |                                       |               |
| 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                                                        |                                    |                              |                                     |                                       |               |
| Research.....                                                         | ----                               | 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%         |

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|                                                                                     | FY 2018<br>Total Enacted<br>Appro. | FY 2019<br>Enacted<br>Appro. | FY 2020<br>Congressional<br>Request | FY 2020 Request vs<br>FY 2019 Enacted |               |
|-------------------------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                                                     |                                    |                              |                                     | \$                                    | %             |
| 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%        |
| <b>Total, Office of Electricity (Delivery).....</b>                                 | <b>----</b>                        | <b>156,000</b>               | <b>182,500</b>                      | <b>+26,500</b>                        | <b>+17.0%</b> |
| <b>Power Marketing Administrations</b>                                              |                                    |                              |                                     |                                       |               |
| Southeastern Power Administration                                                   |                                    |                              |                                     |                                       |               |
| Southeastern power administration.....                                              | 72,449                             | 75,324                       | 87,016                              | +11,692                               | +15.5%        |
| Less alternative financing (for PPW)/                                               |                                    |                              |                                     |                                       |               |
| 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.....                                              | 25,600                             | 10,400                       | 10,400                              | 0                                     | N/A           |
| Use of Prior Year Balances.....                                                     | -14,200                            | ----                         | ----                                | 0                                     | N/A           |
| Less alternative financing/                                                         |                                    |                              |                                     |                                       |               |
| Offsetting collection.....                                                          | ----                               | ----                         | ----                                | 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                                | -176                                  | 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                       | -2,932                              | -1,592                                | -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 collection.....                                  | 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.....                              | <b>-23,000</b>                     | <b>-23,000</b>               | <b>-21,400</b>                      | <b>+1,600</b>                         | <b>+7.0%</b>  |
| Total, Western Area Power Administration.....                                       | 70,600                             | 66,600                       | 68,024                              | +1,424                                | +2.1%         |
| <b>Total, Power Marketing Administrations.....</b>                                  | <b>82,000</b>                      | <b>77,000</b>                | <b>78,424</b>                       | <b>+1,424</b>                         | <b>+1.8%</b>  |
| <b>Office of Cybersecurity, Energy Security, and Emergency Response</b>             |                                    |                              |                                     |                                       |               |
| Cybersecurity for Energy Delivery Systems (CEDS).....                               |                                    |                              |                                     |                                       |               |
| Infrastructure Security and Energy                                                  |                                    |                              |                                     |                                       |               |
| Restoration.....                                                                    | ----                               | 19,000                       | 70,000                              | +51,000                               | +268.4%       |
| Program Direction.....                                                              | ----                               | 11,500                       | 11,500                              | 0                                     | N/A           |
| <b>Total, Office of Cybersecurity, Energy Security, and Emergency Response.....</b> | <b>----</b>                        | <b>120,000</b>               | <b>156,500</b>                      | <b>+36,500</b>                        | <b>+30.4%</b> |
| <b>Fossil Energy Petroleum Reserves</b>                                             |                                    |                              |                                     |                                       |               |
| 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                            | ----                         | ----                                | 0                                     | N/A           |
| Total, Naval Petroleum & Oil Shale Reserve.....                                     | 4,900                              | 10,000                       | 14,000                              | +4,000                                | +40.0%        |
| 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%       |
| Supplemental Hurricane Funding.....                                                 | 8,716                              | ----                         | ----                                | 0                                     | N/A           |
| Total, Strategic Petroleum Reserve.....                                             | <b>260,716</b>                     | <b>235,000</b>               | <b>174,000</b>                      | <b>-61,000</b>                        | <b>-26.0%</b> |

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|------------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                                        |                                    |                              |                                     | \$                                    | %             |
| SPR Petroleum Account                                                  |                                    |                              |                                     |                                       |               |
| SPR Petroleum Account.....                                             | 11,400                             | 10,000                       | ----                                | -10,000                               | -100.0%       |
| Use of prior year balances.....                                        | -3,000                             | ----                         | ----                                | 0                                     | N/A           |
| Use of NGSF refined petroleum product sale proceeds <sup>1</sup> ..... | ----                               | ----                         | 27,000                              | +27,000                               | N/A           |
| Total, SPR 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%       |
| <b>Total, Fossil Energy Petroleum Reserves.....</b>                    | <b>280,516</b>                     | <b>265,000</b>               | <b>215,000</b>                      | <b>-50,000</b>                        | <b>-18.9%</b> |
| <b>Assistant Secretary for Fossil Energy</b>                           |                                    |                              |                                     |                                       |               |
| Fossil Energy Research and Development                                 |                                    |                              |                                     |                                       |               |
| Fossil Energy Research and Development (OLD)                           |                                    |                              |                                     |                                       |               |
| Coal                                                                   |                                    |                              |                                     |                                       |               |
| Coal CCS and Power Systems                                             |                                    |                              |                                     |                                       |               |
| 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%       |
| NETL coal research and development.....                                | 53,000                             | 54,000                       | ----                                | -54,000                               | -100.0%       |
| Supercritical Transformational Electric Power.....                     | 24,000                             | 22,430                       | ----                                | -22,430                               | -100.0%       |
| Transformational coal pilots.....                                      | 35,000                             | 25,000                       | ----                                | -25,000                               | -100.0%       |
| Total, Coal CCS and Power Systems.....                                 | 481,117                            | 486,230                      | ----                                | -486,230                              | -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.....                                          |                                    |                              |                                     |                                       |               |
| Unconventional fossil energy technologies                              | 50,000                             | 51,000                       | 10,730                              | -40,270                               | -79.0%        |
| from Petroleum - Oil technologies.....                                 | 40,000                             | 46,000                       | 19,000                              | -27,000                               | -58.7%        |
| Special recruitment programs.....                                      | 700                                | 700                          | 700                                 | 0                                     | N/A           |
| Program direction.....                                                 | 60,000                             | 61,070                       | 61,045                              | -25                                   | -0.0%         |
| NETL Research and Operations.....                                      | 50,000                             | 50,000                       | 40,000                              | -10,000                               | -20.0%        |
| NETL Infrastructure and operations.....                                | 45,000                             | 45,000                       | 43,100                              | -1,900                                | -4.2%         |
| <b>Total, Fossil Energy Research and Development.....</b>              | <b>726,817</b>                     | <b>740,000</b>               | <b>562,000</b>                      | <b>-178,000</b>                       | <b>-24.1%</b> |
| <b>Office of Nuclear Energy</b>                                        |                                    |                              |                                     |                                       |               |
| Nuclear Energy                                                         |                                    |                              |                                     |                                       |               |
| Research and Development                                               |                                    |                              |                                     |                                       |               |
| Integrated University Program.....                                     | 5,000                              | 5,000                        | ----                                | -5,000                                | -100.0%       |
| Step R&D.....                                                          | 5,000                              | 5,000                        | ----                                | -5,000                                | -100.0%       |
| Reactor Concepts RD&D.....                                             | 237,000                            | 323,500                      | 215,150                             | -108,350                              | -33.5%        |
| Fuel cycle research and development.....                               | 260,056                            | 263,915                      | 90,000                              | -173,915                              | -65.9%        |
| Nuclear Energy Enabling Technologies.....                              | 159,000                            | 152,585                      | 98,450                              | -54,135                               | -35.5%        |
| International nuclear energy cooperation.....                          | 3,000                              | 3,000                        | ----                                | -3,000                                | -100.0%       |
| Total, Research and Development.....                                   | 669,056                            | 753,000                      | 403,600                             | -349,400                              | -46.4%        |
| Radiological facility management.....                                  |                                    |                              |                                     |                                       |               |
| Idaho facilities management                                            | 29,000                             | 29,000                       | 9,000                               | -20,000                               | -69.0%        |
| Idaho facilities management.....                                       | 294,000                            | 318,000                      | 209,242                             | -108,758                              | -34.2%        |
| Idaho sitewide safeguards and security.....                            | 133,000                            | 146,090                      | 137,808                             | -8,282                                | -5.7%         |
| Program Direction.....                                                 | 80,000                             | 80,000                       | 64,350                              | -15,650                               | -19.6%        |
| Subtotal, Nuclear Energy.....                                          | 1,205,056                          | 1,326,090                    | 824,000                             | -502,090                              | -37.9%        |
| Adjustments:                                                           |                                    |                              |                                     |                                       |               |
| Transfer from NR - Advanced Test Reactor HR 3219 (non-add).....        | ( 85,500)                          | ( 85,500)                    | ( ----)                             | ( ----)                               | ( ----)       |
| <b>Total, Nuclear Energy.....</b>                                      | <b>1,205,056</b>                   | <b>1,326,090</b>             | <b>824,000</b>                      | <b>-502,090</b>                       | <b>-37.9%</b> |
| <b>Yucca Mountain and Interim Storage</b>                              |                                    |                              |                                     |                                       |               |
| 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           |

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|----------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|------------------|
|                                                                |                                    |                              |                                     | \$                                    | %                |
| Nuclear Waste Disposal                                         |                                    |                              |                                     |                                       |                  |
| Yucca mountain and interim storage.....                        | ----                               | ----                         | 90,000                              | +90,000                               | N/A              |
| Total, Nuclear Waste Disposal.....                             | ----                               | ----                         | 90,000                              | +90,000                               | N/A              |
| <b>Total, Yucca Mountain and Interim Storage.....</b>          | <b>----</b>                        | <b>----</b>                  | <b>116,000</b>                      | <b>+116,000</b>                       | <b>N/A</b>       |
| <b>Energy Policy and Systems Analysis</b>                      |                                    |                              |                                     |                                       |                  |
| Departmental Administration                                    |                                    |                              |                                     |                                       |                  |
| Program direction.....                                         | 10,432                             | ----                         | ----                                | 0                                     | N/A              |
| <b>Total, Energy Policy and Systems Analysis.....</b>          | <b>10,432</b>                      | <b>----</b>                  | <b>----</b>                         | <b>0</b>                              | <b>N/A</b>       |
| <b>Office of Indian Energy</b>                                 |                                    |                              |                                     |                                       |                  |
| Departmental Administration                                    |                                    |                              |                                     |                                       |                  |
| Program direction.....                                         | 18,000                             | ----                         | ----                                | 0                                     | N/A              |
| <b>Total, Indian Energy.....</b>                               | <b>18,000</b>                      | <b>----</b>                  | <b>----</b>                         | <b>0</b>                              | <b>N/A</b>       |
| <b>Office of Indian Energy Policy and Programs</b>             |                                    |                              |                                     |                                       |                  |
| Program direction.....                                         | ----                               | 4,800                        | 3,521                               | -1,279                                | -26.6%           |
| Tribal Energy Program.....                                     | ----                               | 13,200                       | 4,479                               | -8,721                                | -66.1%           |
| <b>Total, Office of Indian Energy Policy and Programs.....</b> | <b>----</b>                        | <b>18,000</b>                | <b>8,000</b>                        | <b>-10,000</b>                        | <b>-55.6%</b>    |
| <b>Office of Policy</b>                                        |                                    |                              |                                     |                                       |                  |
| Departmental Administration                                    |                                    |                              |                                     |                                       |                  |
| Program direction.....                                         | ----                               | 10,010                       | 8,000                               | -2,010                                | -20.1%           |
| Use of prior year balances.....                                | ----                               | -7,500                       | ----                                | +7,500                                | +100.0%          |
| <b>Total, Office of Policy.....</b>                            | <b>----</b>                        | <b>2,510</b>                 | <b>8,000</b>                        | <b>+5,490</b>                         | <b>+218.7%</b>   |
| <b>Project Management Oversight and Assessments</b>            |                                    |                              |                                     |                                       |                  |
| Departmental Administration                                    |                                    |                              |                                     |                                       |                  |
| Program direction.....                                         | 15,192                             | 15,005                       | 14,255                              | -750                                  | -5.0%            |
| Total, Departmental Administration.....                        | 15,192                             | 15,005                       | 14,255                              | -750                                  | -5.0%            |
| <b>Total, Project Management Oversight Assessments.....</b>    | <b>15,192</b>                      | <b>15,005</b>                | <b>14,255</b>                       | <b>-750</b>                           | <b>-5.0%</b>     |
| <b>Environment, Health, Safety and Security</b>                |                                    |                              |                                     |                                       |                  |
| Environment, health, safety and security.....                  | 130,693                            | 133,839                      | 139,628                             | +5,789                                | +4.3%            |
| Program direction.....                                         | 68,253                             | 69,000                       | 72,881                              | +3,881                                | +5.6%            |
| <b>Total, Environment, Health, Safety and Security.....</b>    | <b>198,946</b>                     | <b>202,839</b>               | <b>212,509</b>                      | <b>+9,670</b>                         | <b>+4.8%</b>     |
| <b>Title 17 - Innovative Technology Loan</b>                   |                                    |                              |                                     |                                       |                  |
| <b>Guarantee Program</b>                                       |                                    |                              |                                     |                                       |                  |
| Administrative expenses.....                                   | 33,000                             | 33,000                       | 3,000                               | -30,000                               | -90.9%           |
| Offsetting collections.....                                    | -2,108                             | -20,000                      | -3,000                              | +17,000                               | +85.0%           |
| Subtotal, Title 17 - Innovative Technology                     |                                    |                              |                                     |                                       |                  |
| Loan Guarantee Program.....                                    | 30,892                             | 13,000                       | ----                                | -13,000                               | -100.0%          |
| Rescission of prior year balances (Gen. Prov.).....            | ----                               | ----                         | -160,659                            | -160,659                              | N/A              |
| <b>Total, Title 17 - Innovative Technology</b>                 |                                    |                              |                                     |                                       |                  |
| <b>Loan Guarantee Program.....</b>                             | <b>30,892</b>                      | <b>13,000</b>                | <b>-160,659</b>                     | <b>-173,659</b>                       | <b>-1,335.8%</b> |
| <b>Advanced Technology Vehicles Manufacturing</b>              |                                    |                              |                                     |                                       |                  |
| <b>Loan Program</b>                                            |                                    |                              |                                     |                                       |                  |
| Administrative expenses.....                                   | 5,000                              | 5,000                        | ----                                | -5,000                                | -100.0%          |
| <b>Total, Advanced Technology Vehicles</b>                     |                                    |                              |                                     |                                       |                  |
| <b>Manufacturing Loan Program.....</b>                         | <b>5,000</b>                       | <b>5,000</b>                 | <b>----</b>                         | <b>-5,000</b>                         | <b>-100.0%</b>   |
| <b>Tribal Energy Loan Guarantee Program</b>                    |                                    |                              |                                     |                                       |                  |
| Administrative expenses.....                                   | 1,000                              | 1,000                        | ----                                | -1,000                                | -100.0%          |
| Cancellation.....                                              | ----                               | ----                         | -8,500                              | -8,500                                | N/A              |
| <b>Total, Tribal Energy Loan Guarantee Program.....</b>        | <b>1,000</b>                       | <b>1,000</b>                 | <b>-8,500</b>                       | <b>-9,500</b>                         | <b>-950.0%</b>   |

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|----------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                                |                                    |                              |                                     | \$                                    | %             |
| <b>Office of Science</b>                                       |                                    |                              |                                     |                                       |               |
| Office of Science                                              |                                    |                              |                                     |                                       |               |
| 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                            | 980,000                      | 768,038                             | -211,962                              | -21.6%        |
| 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                      | 163,600                             | -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           |
| <b>Total, Office of Science.....</b>                           | <b>6,259,903</b>                   | <b>6,585,000</b>             | <b>5,545,972</b>                    | <b>-1,039,028</b>                     | <b>-15.8%</b> |
| <b>Assistant Secretary for Environmental Management</b>        |                                    |                              |                                     |                                       |               |
| 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%         |
| <b>Total, Non-Defense Environmental Cleanup.....</b>           | <b>298,400</b>                     | <b>310,000</b>               | <b>247,480</b>                      | <b>-62,520</b>                        | <b>-20.2%</b> |
| Defense Environmental Cleanup                                  |                                    |                              |                                     |                                       |               |
| Closure sites.....                                             | 4,889                              | 4,889                        | 4,987                               | +98                                   | +2.0%         |
| Richland:                                                      |                                    |                              |                                     |                                       |               |
| River corridor and other cleanup operations.....               | 183,692                            | 193,692                      | 139,750                             | -53,942                               | -27.8%        |
| Central plateau remediation.....                               | 662,879                            | 660,358                      | 472,949                             | -187,409                              | -28.4%        |
| Richland community and regulatory support.....                 | 10,121                             | 10,121                       | 5,121                               | -5,000                                | -49.4%        |
| Construction.....                                              | 6,500                              | 1,000                        | 11,000                              | +10,000                               | +1,000.0%     |
| <b>Total, Richland.....</b>                                    | <b>863,192</b>                     | <b>865,171</b>               | <b>628,820</b>                      | <b>-236,351</b>                       | <b>-27.3%</b> |
| Office of River Protection.....                                | 1,560,000                          | 1,573,000                    | 1,392,460                           | -180,540                              | -11.5%        |
| Idaho National Laboratory.....                                 | 434,071                            | 433,200                      | 334,854                             | -98,346                               | -22.7%        |
| NNSA sites and Nevada off-sites.....                           | 388,711                            | 324,440                      | 403,878                             | +79,438                               | +24.5%        |
| Oak Ridge Reservation.....                                     | 400,219                            | 410,000                      | 292,781                             | -117,219                              | -28.6%        |
| Savannah River Sites:                                          |                                    |                              |                                     |                                       |               |
| Savannah River risk management operations.....                 | 482,960                            | 489,460                      | 490,613                             | +1,153                                | +0.2%         |
| Construction.....                                              | 500                                | 1,259                        | 6,792                               | +5,533                                | +439.5%       |
| <b>Total, Savannah River risk management operations.....</b>   | <b>483,460</b>                     | <b>490,719</b>               | <b>497,405</b>                      | <b>+6,686</b>                         | <b>+1.4%</b>  |
| SR community and regulatory support.....                       | 11,249                             | 11,249                       | 4,749                               | -6,500                                | -57.8%        |
| Radioactive liquid tank waste.....                             | 817,605                            | 885,689                      | 960,978                             | +75,289                               | +8.5%         |
| <b>Total, Savannah River Site.....</b>                         | <b>1,312,314</b>                   | <b>1,387,657</b>             | <b>1,463,132</b>                    | <b>+75,475</b>                        | <b>+5.4%</b>  |
| Waste Isolation Pilot Plant.....                               | 376,571                            | 396,907                      | 391,642                             | -5,265                                | -1.3%         |
| Program direction.....                                         | 300,000                            | 298,500                      | 278,908                             | -19,592                               | -6.6%         |
| Program support.....                                           | 14,979                             | 12,979                       | 12,979                              | 0                                     | N/A           |
| Safeguards and Security.....                                   | 298,102                            | 304,434                      | 317,622                             | +13,188                               | +4.3%         |
| Technology development.....                                    | 35,000                             | 25,000                       | ----                                | -25,000                               | -100.0%       |
| Use of prior year balances.....                                | ----                               | -7,577                       | ----                                | +7,577                                | +100.0%       |
| <b>Subtotal, Defense environmental cleanup.....</b>            | <b>5,988,048</b>                   | <b>6,028,600</b>             | <b>5,522,063</b>                    | <b>-506,537</b>                       | <b>-8.4%</b>  |
| Rescission:                                                    |                                    |                              |                                     |                                       |               |
| Rescission of prior year balances.....                         | ----                               | ----                         | -15,562                             | -15,562                               | N/A           |
| Rescission of prior year balances (Gen. Prov.).....            | ----                               | -4,600                       | ----                                | +4,600                                | +100.0%       |
| <b>Total, Defense Environmental Cleanup.....</b>               | <b>5,988,048</b>                   | <b>6,024,000</b>             | <b>5,506,501</b>                    | <b>-517,499</b>                       | <b>-8.6%</b>  |
| Uranium Enrichment Decontamination and<br>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%        |
| <b>Total, Uranium Enrichment D&amp;D Fund.....</b>             | <b>840,000</b>                     | <b>841,129</b>               | <b>715,112</b>                      | <b>-126,017</b>                       | <b>-15.0%</b> |
| <b>Total, Environmental Management.....</b>                    | <b>7,126,448</b>                   | <b>7,175,129</b>             | <b>6,469,093</b>                    | <b>-706,036</b>                       | <b>-9.8%</b>  |

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|                                                                            | FY 2018<br>Total Enacted<br>Appro. | FY 2019<br>Enacted<br>Appro. | FY 2020<br>Congressional<br>Request | FY 2020 Request vs<br>FY 2019 Enacted |               |
|----------------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------|
|                                                                            |                                    |                              |                                     | \$                                    | %             |
| <b>Office of Legacy Management</b>                                         |                                    |                              |                                     |                                       |               |
| Other Defense Activities                                                   |                                    |                              |                                     |                                       |               |
| Legacy management.....                                                     | 137,674                            | 140,575                      | 283,767                             | +143,192                              | +101.9%       |
| Program direction.....                                                     | 16,932                             | 18,302                       | 19,262                              | +960                                  | +5.2%         |
| Total, Other Defense Activities.....                                       | 154,606                            | 158,877                      | 303,029                             | +144,152                              | +90.7%        |
| <b>Total, Office of Legacy Management.....</b>                             | <b>154,606</b>                     | <b>158,877</b>               | <b>303,029</b>                      | <b>+144,152</b>                       | <b>+90.7%</b> |
| <b>Office of Technology Transitions</b>                                    |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 6,876                              | 8,505                        | 9,080                               | +575                                  | +6.8%         |
| <b>Total, Office of Technology Transitions.....</b>                        | <b>6,876</b>                       | <b>8,505</b>                 | <b>9,080</b>                        | <b>+575</b>                           | <b>+6.8%</b>  |
| <b>Chief Information Officer</b>                                           |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 126,274                            | 131,624                      | 124,554                             | -7,070                                | -5.4%         |
| Subtotal, Departmental Administration.....                                 | 126,274                            | 131,624                      | 124,554                             | -7,070                                | -5.4%         |
| Funding from other defense activities.....                                 | -126,274                           | -131,624                     | -124,554                            | +7,070                                | +5.4%         |
| Total, Departmental Administration.....                                    | ----                               | ----                         | ----                                | 0                                     | N/A           |
| Other Defense Activities                                                   |                                    |                              |                                     |                                       |               |
| Defense related administrative support.....                                | 126,274                            | 131,624                      | 124,554                             | -7,070                                | -5.4%         |
| <b>Total, Chief Information Officer.....</b>                               | <b>126,274</b>                     | <b>131,624</b>               | <b>124,554</b>                      | <b>-7,070</b>                         | <b>-5.4%</b>  |
| <b>Office of Management</b>                                                |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 54,745                             | 55,385                       | 54,358                              | -1,027                                | -1.9%         |
| Total, Departmental Administration.....                                    | 54,745                             | 55,385                       | 54,358                              | -1,027                                | -1.9%         |
| <b>Total, Management.....</b>                                              | <b>54,745</b>                      | <b>55,385</b>                | <b>54,358</b>                       | <b>-1,027</b>                         | <b>-1.9%</b>  |
| <b>Chief Human Capital Officer</b>                                         |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 25,513                             | 26,125                       | 24,316                              | -1,809                                | -6.9%         |
| <b>Total, Chief Human Capital Officer.....</b>                             | <b>25,513</b>                      | <b>26,125</b>                | <b>24,316</b>                       | <b>-1,809</b>                         | <b>-6.9%</b>  |
| <b>Office of Economic Impact and Diversity</b>                             |                                    |                              |                                     |                                       |               |
| Economic impact and diversity.....                                         | 10,169                             | 10,169                       | 9,494                               | -675                                  | -6.6%         |
| <b>Office of the Secretary</b>                                             |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 5,300                              | 5,395                        | 5,119                               | -276                                  | -5.1%         |
| <b>Total, Office of the Secretary.....</b>                                 | <b>5,300</b>                       | <b>5,395</b>                 | <b>5,119</b>                        | <b>-276</b>                           | <b>-5.1%</b>  |
| <b>Chief Financial Officer</b>                                             |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 48,484                             | 48,912                       | 52,000                              | +3,088                                | +6.3%         |
| Subtotal, Departmental Administration.....                                 | 48,484                             | 48,912                       | 52,000                              | +3,088                                | +6.3%         |
| Funding from other defense activities (CFO).....                           | -16,726                            | -20,065                      | -54,538                             | -34,473                               | -171.8%       |
| Total, Departmental Administration.....                                    | 31,758                             | 28,847                       | -2,538                              | -31,385                               | -108.8%       |
| Other Defense Activities                                                   |                                    |                              |                                     |                                       |               |
| Defense related administrative support (CFO).....                          | 16,726                             | 20,065                       | 54,538                              | +34,473                               | +171.8%       |
| Total, Other Defense Activities.....                                       | 16,726                             | 20,065                       | 54,538                              | +34,473                               | +171.8%       |
| <b>Total, Chief Financial Officer.....</b>                                 | <b>48,484</b>                      | <b>48,912</b>                | <b>52,000</b>                       | <b>+3,088</b>                         | <b>+6.3%</b>  |
| <b>Assistant Secretary for Congressional and Intergovernmental Affairs</b> |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 6,200                              | 6,200                        | 5,895                               | -305                                  | -4.9%         |
| Use of prior year balances.....                                            | ----                               | -2,000                       | ----                                | +2,000                                | +100.0%       |
| <b>Total, Congressional and Intergovernmental Affairs.....</b>             | <b>6,200</b>                       | <b>4,200</b>                 | <b>5,895</b>                        | <b>+1,695</b>                         | <b>+40.4%</b> |
| <b>Office of Public Affairs</b>                                            |                                    |                              |                                     |                                       |               |
| Departmental Administration                                                |                                    |                              |                                     |                                       |               |
| Program direction.....                                                     | 6,589                              | 6,594                        | 6,260                               | -334                                  | -5.1%         |
| <b>Total, Public Affairs.....</b>                                          | <b>6,589</b>                       | <b>6,594</b>                 | <b>6,260</b>                        | <b>-334</b>                           | <b>-5.1%</b>  |

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|--------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|----------------|
|                                                                    |                                    |                              |                                     | \$                                    | %              |
| <b>Office of General Counsel</b>                                   |                                    |                              |                                     |                                       |                |
| Departmental Administration                                        |                                    |                              |                                     |                                       |                |
| Program direction.....                                             | 33,000                             | 33,075                       | 33,075                              | 0                                     | N/A            |
| <b>Total, General Counsel.....</b>                                 | <b>33,000</b>                      | <b>33,075</b>                | <b>33,075</b>                       | <b>0</b>                              | <b>N/A</b>     |
| <b>International Affairs</b>                                       |                                    |                              |                                     |                                       |                |
| Departmental Administration                                        |                                    |                              |                                     |                                       |                |
| Program direction.....                                             | 18,878                             | 22,878                       | ---                                 | -22,878                               | -100.0%        |
| International Affairs                                              |                                    |                              |                                     |                                       |                |
| Program direction.....                                             | ---                                | ---                          | 36,100                              | +36,100                               | N/A            |
| <b>Total, International Affairs.....</b>                           | <b>18,878</b>                      | <b>22,878</b>                | <b>36,100</b>                       | <b>+13,222</b>                        | <b>+57.8%</b>  |
| <b>Office of Small and Disadvantaged<br/>Business Utilization</b>  |                                    |                              |                                     |                                       |                |
| Departmental Administration                                        |                                    |                              |                                     |                                       |                |
| Program direction.....                                             | 3,000                              | 3,170                        | 3,609                               | +439                                  | +13.8%         |
| <b>Total, Office Small Disadvantaged Business Utilization.....</b> | <b>3,000</b>                       | <b>3,170</b>                 | <b>3,609</b>                        | <b>+439</b>                           | <b>+13.8%</b>  |
| <b>Strategic Partnership Projects and Revenues</b>                 |                                    |                              |                                     |                                       |                |
| Departmental Administration                                        |                                    |                              |                                     |                                       |                |
| Strategic partnership projects (SPP).....                          | 40,000                             | 40,000                       | 40,000                              | 0                                     | N/A            |
| Miscellaneous revenues                                             |                                    |                              |                                     |                                       |                |
| Revenues associated with SPP.....                                  | -40,000                            | -40,000                      | -40,000                             | 0                                     | N/A            |
| Other revenues.....                                                | -56,000                            | -56,000                      | -53,378                             | +2,622                                | +4.7%          |
| Total, Miscellaneous revenues.....                                 | -96,000                            | -96,000                      | -93,378                             | +2,622                                | +2.7%          |
| Rescissions:                                                       |                                    |                              |                                     |                                       |                |
| <b>Total, Strategic Partnership Projects and Revenues.....</b>     | <b>-56,000</b>                     | <b>-56,000</b>               | <b>-53,378</b>                      | <b>+2,622</b>                         | <b>+4.7%</b>   |
| <b>Enterprise Assessments</b>                                      |                                    |                              |                                     |                                       |                |
| Enterprise assessments.....                                        | 24,068                             | 24,068                       | 24,068                              | 0                                     | N/A            |
| Program direction.....                                             | 50,863                             | 52,702                       | 57,211                              | +4,509                                | +8.6%          |
| <b>Total, Enterprise Assessments.....</b>                          | <b>74,931</b>                      | <b>76,770</b>                | <b>81,279</b>                       | <b>+4,509</b>                         | <b>+5.9%</b>   |
| <b>Specialized Security Activities</b>                             |                                    |                              |                                     |                                       |                |
| Other Defense Activities                                           |                                    |                              |                                     |                                       |                |
| Specialized security activities.....                               | 262,912                            | 266,378                      | 254,578                             | -11,800                               | -4.4%          |
| <b>Total, Specialized Security Activities.....</b>                 | <b>262,912</b>                     | <b>266,378</b>               | <b>254,578</b>                      | <b>-11,800</b>                        | <b>-4.4%</b>   |
| <b>Office of Hearings and Appeals</b>                              |                                    |                              |                                     |                                       |                |
| Other Defense Activities                                           |                                    |                              |                                     |                                       |                |
| Office of hearings and appeals.....                                | 5,605                              | 5,739                        | 4,852                               | -887                                  | -15.5%         |
| Use of prior year balances.....                                    | ---                                | -2,000                       | ---                                 | +2,000                                | +100.0%        |
| <b>Total, Hearings and Appeals.....</b>                            | <b>5,605</b>                       | <b>3,739</b>                 | <b>4,852</b>                        | <b>+1,113</b>                         | <b>+29.8%</b>  |
| <b>Advanced Research Projects Agency - Energy</b>                  |                                    |                              |                                     |                                       |                |
| 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%        |
| Rescission of prior year balances.....                             | ---                                | ---                          | -287,000                            | -287,000                              | N/A            |
| Total, Advanced Research Projects Agency - Energy.....             | 353,314                            | 366,000                      | -287,000                            | -653,000                              | -178.4%        |
| <b>Total, Advanced Research Projects Agency - Energy.....</b>      | <b>353,314</b>                     | <b>366,000</b>               | <b>-287,000</b>                     | <b>-653,000</b>                       | <b>-178.4%</b> |
| <b>Energy Information Administration</b>                           |                                    |                              |                                     |                                       |                |
| National energy information system.....                            | 125,000                            | 125,000                      | 118,000                             | -7,000                                | -5.6%          |
| <b>Total, Energy Information Administration.....</b>               | <b>125,000</b>                     | <b>125,000</b>               | <b>118,000</b>                      | <b>-7,000</b>                         | <b>-5.6%</b>   |
| <b>Office of Inspector General</b>                                 |                                    |                              |                                     |                                       |                |
| Office of inspector general.....                                   | 49,000                             | 51,330                       | 54,215                              | +2,885                                | +5.6%          |
| <b>Total, Office of Inspector General.....</b>                     | <b>49,000</b>                      | <b>51,330</b>                | <b>54,215</b>                       | <b>+2,885</b>                         | <b>+5.6%</b>   |

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|----------------------------------------------------------------------|------------------------------------|------------------------------|-------------------------------------|---------------------------------------|------------|
|                                                                      |                                    |                              |                                     | \$                                    | %          |
| <b>Federal Energy Regulatory Commission</b>                          |                                    |                              |                                     |                                       |            |
| 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%      |
| <b>Total, Federal Energy Regulatory Commission.....</b>              | <b>---</b>                         | <b>---</b>                   | <b>---</b>                          | <b>0</b>                              | <b>N/A</b> |
| <b>Fees &amp; Recoveries In Excess of Annual Appropriations.....</b> | <b>-9,000</b>                      | <b>-16,000</b>               | <b>-16,000</b>                      | <b>0</b>                              | <b>N/A</b> |
| <b>Title XVII Loan Guar. Prog Section 1703</b>                       |                                    |                              |                                     |                                       |            |
| 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        |