

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

| FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |   |
|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|---|
|                               |                               |                                     | \$                                    | % |

**Discretionary Summary by Appropriation**

Energy and Water Development and Related Agencies

Appropriation Summary:

Energy Programs

|   |           |           |         |            |         |
|---|-----------|-----------|---------|------------|---------|
| Energy efficiency and renewable energy.....                 | 2,034,582 | 2,040,249 | 695,610 | -1,338,972 | -65.8%  |
| Electricity delivery and energy reliability.....            | 229,585   | 228,026   | ----    | -229,585   | -100.0% |
| Electricity Delivery.....                                   | ----      | ----      | 61,309  | +61,309    | N/A     |
| Cybersecurity, Energy Security, and Emergency Response..... | ----      | ----      | 95,800  | +95,800    | N/A     |
| Nuclear energy.....   | 1,015,821 | 1,008,922 | 757,090 | -258,731   | -25.5%  |

Fossil energy programs

|   |                |                |                |                |              |
|---|----------------|----------------|----------------|----------------|--------------|
| Fossil energy research and development..... | 421,154        | 425,093        | 502,070        | +80,916        | +19.2%       |
| Naval petroleum and oil shale reserves..... | 12,005         | 14,848         | 10,000         | -2,005         | -16.7%       |
| Strategic petroleum reserve.....            | 222,605        | 221,485        | 175,105        | -47,500        | -21.3%       |
| Strategic petroleum account.....            | ----           | ----           | ----           | ----           | N/A          |
| Northeast home heating oil reserve.....     | 6,497          | 6,456          | 10,000         | +3,503         | +53.9%       |
| <b>Total, Fossil energy programs.....</b>   | <b>662,261</b> | <b>667,882</b> | <b>697,175</b> | <b>+34,914</b> | <b>+5.3%</b> |

Uranium enrichment D&D fund.....

|   |           |           |           |          |         |
|---|-----------|-----------|-----------|----------|---------|
| Uranium enrichment D&D fund.....                | 767,929   | 763,106   | 752,749   | -15,180  | -2.0%   |
| Energy information administration.....          | 122,000   | 121,171   | 115,035   | -6,965   | -5.7%   |
| Non-Defense environmental cleanup.....          | 246,762   | 245,324   | 218,400   | -28,362  | -11.5%  |
| Science.....                                    | 5,390,972 | 5,354,362 | 5,390,972 | ----     | N/A     |
| Advanced research projects agency - Energy..... | 305,245   | 303,172   | ----      | -305,245 | -100.0% |
| Nuclear waste disposal (30M in DNWF 050).....   | ----      | ----      | 90,000    | +90,000  | N/A     |
| Departmental administration.....                | 120,692   | 120,009   | 139,534   | +18,842  | +15.6%  |
| Inspector general.....                          | 44,424    | 44,122    | 51,330    | +6,906   | +15.5%  |

Credit Programs

Title 17 - Innovative technology

|   |       |        |        |         |           |
|---|-------|--------|--------|---------|-----------|
| loan guarantee program.....                                     | 139   | 16,749 | 7,000  | +6,861  | +4,936.0% |
| Advanced technology vehicles manufacturing<br>loan program..... | 3,883 | 4,966  | 1,000  | -2,883  | -74.2%    |
| Tribal energy loan guarantee program.....                       | 9,000 | 8,939  | -8,500 | -17,500 | -194.4%   |

|                                    |                   |                   |                  |                   |                |
|------------------------------------|-------------------|-------------------|------------------|-------------------|----------------|
| <b>Total, Credit Programs.....</b> | <b>13,022</b>     | <b>30,654</b>     | <b>-500</b>      | <b>-13,522</b>    | <b>-103.8%</b> |
| <b>Total, Energy Programs.....</b> | <b>10,953,295</b> | <b>10,926,999</b> | <b>9,064,504</b> | <b>-1,888,791</b> | <b>-17.2%</b>  |

Atomic Energy Defense Activities

National nuclear security administration:

|   |                   |                   |                   |                   |               |
|---|-------------------|-------------------|-------------------|-------------------|---------------|
| Federal Salaries and Expenses.....                          | 387,366           | 384,736           | 422,529           | +35,163           | +9.1%         |
| Weapons activities.....                                     | 9,240,739         | 9,241,675         | 11,017,078        | +1,776,339        | +19.2%        |
| Defense nuclear nonproliferation.....                       | 1,879,738         | 1,885,970         | 1,862,825         | -16,913           | -0.9%         |
| Naval reactors.....   | 1,419,792         | 1,410,455         | 1,788,618         | +368,826          | +26.0%        |
| <b>Total, National nuclear security administration.....</b> | <b>12,927,635</b> | <b>12,922,836</b> | <b>15,091,050</b> | <b>+2,163,415</b> | <b>+16.7%</b> |

Environmental and other defense activities:

|   |                  |                  |                  |                 |              |
|---|------------------|------------------|------------------|-----------------|--------------|
| Defense environmental cleanup.....                              | 5,404,217        | 5,368,298        | 5,630,217        | +226,000        | +4.2%        |
| Other defense activities.....                                   | 781,703          | 778,676          | 853,300          | +71,597         | +9.2%        |
| Defense nuclear waste disposal (90M in 270 Energy).....         | ----             | ----             | 30,000           | +30,000         | N/A          |
| <b>Total, Environmental &amp; other defense activities.....</b> | <b>6,185,920</b> | <b>6,146,974</b> | <b>6,513,517</b> | <b>+327,597</b> | <b>+5.3%</b> |

|   |                   |                   |                   |                   |               |
|---|-------------------|-------------------|-------------------|-------------------|---------------|
| <b>Total, Atomic Energy Defense Activities.....</b> | <b>19,113,555</b> | <b>19,069,810</b> | <b>21,604,567</b> | <b>+2,491,012</b> | <b>+13.0%</b> |
|---|-------------------|-------------------|-------------------|-------------------|---------------|

Power marketing administrations:

|  |               |               |               |               |              |
|--|---------------|---------------|---------------|---------------|--------------|
| Southeastern power administration.....             | ----          | ----          | ----          | ----          | N/A          |
| Southwestern power administration.....             | 11,057        | 10,982        | 10,400        | -657          | -5.9%        |
| Western area power administration (CROM).....      | 94,742        | 94,099        | 89,372        | -5,370        | -5.7%        |
| Falcon & Amistad operating & maintenance fund..... | 232           | 230           | 228           | -4            | -1.7%        |
| Colorado River Basins.....                         | -23,000       | -22,844       | -23,000       | ----          | N/A          |
| <b>Total, Power marketing administrations.....</b> | <b>83,031</b> | <b>82,467</b> | <b>77,000</b> | <b>-6,031</b> | <b>-7.3%</b> |

|   |      |      |      |      |     |
|---|------|------|------|------|-----|
| Federal energy regulatory commission..... | ---- | ---- | ---- | ---- | N/A |
|---|------|------|------|------|-----|

Subtotal, Energy And Water Development and Related

|               |            |            |            |          |       |
|---------------|------------|------------|------------|----------|-------|
| Agencies..... | 30,149,881 | 30,079,276 | 30,746,071 | +596,190 | +2.0% |
|---------------|------------|------------|------------|----------|-------|

|   |          |          |      |          |         |
|---|----------|----------|------|----------|---------|
| Uranium Enrichment D&D fund discretionary payments..... | -563,000 | -559,177 | ---- | +563,000 | +100.0% |
|---|----------|----------|------|----------|---------|

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |              |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|--------------|
|  |                               |                               |                                     | \$                                    | %            |
| Defense EM funded  |                               |                               |                                     |                                       |              |
| Uranium Enrichment D&D fund contribution.....                | 563,000                       | 559,177                       | ----                                | -563,000                              | -100.0%      |
| Excess Fees and Recoveries, FERC.....                        | -16,645                       | -9,000                        | -16,000                             | +645                                  | +3.9%        |
| Title XVII Loan guar. prog section 1703                      |                               |                               |                                     |                                       |              |
| Negative Credit Subsidy Receipt.....                         | -37,000                       | -37,000                       | -44,000                             | -7,000                                | -18.9%       |
| Sale of Northeast Gas Reserve.....                           | ----                          | ----                          | -77,000                             | -77,000                               | N/A          |
| Defense Programs Rescission of Balances (Undistributed)..... | -43                           | -43                           | ----                                | +43                                   | +100.0%      |
| Title 17 Loan Guarantee Program Rescission.....              | -9,000                        | -8,939                        | ----                                | +9,000                                | +100.0%      |
| Uranium Lease and Take-Back Sec. 305.....                    | ----                          | ----                          | ----                                | ----                                  | N/A          |
| <b>Total, Discretionary Funding.....</b>                     | <b>30,087,193</b>             | <b>30,024,294</b>             | <b>30,609,071</b>                   | <b>+521,878</b>                       | <b>+1.7%</b> |

Memo: Total Discretionary by budget function

|  |               |               |               |
|--|---------------|---------------|---------------|
| (Defense (050) function, non-add).....         | ( 19,805,815) | ( 19,757,369) | ( 21,740,657) |
| (Non-Defense (250/270) function, non-add)..... | ( 10,281,378) | ( 10,266,925) | ( 8,868,414)  |
| (Science (250) function, non-add).....         | ( 5,390,972)  | ( 5,354,362)  | ( 5,390,972)  |
| (Energy (270) function, non-add).....          | ( 4,890,406)  | ( 4,912,563)  | ( 3,477,442)  |

\* Note.—A full-year 2018 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Continuing Appropriations Act, 2018 (Division D of P.L. 115–56, as amended). The amounts included for 2018 reflect the annualized level provided by the continuing resolution.

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|----------------|
|  |                               |                               |                                     | \$                                    | %              |
| <b>Energy Efficiency and Renewable Energy</b>                          |                               |                               |                                     |                                       |                |
| Energy Efficiency and Renewable Energy RDD&D                           |                               |                               |                                     |                                       |                |
| Sustainable transportation:  |                               |                               |                                     |                                       |                |
| Vehicle technologies.....  | 306,959                       | 304,874                       | 68,500                              | -238,459                              | -77.7%         |
| Bioenergy technologies.....  | 205,000                       | 203,608                       | 37,000                              | -168,000                              | -82.0%         |
| Hydrogen and fuel cell technologies.....                               | 101,000                       | 100,315                       | 58,000                              | -43,000                               | -42.6%         |
| <b>Total, Sustainable transportation.....</b>                          | <b>612,959</b>                | <b>608,797</b>                | <b>163,500</b>                      | <b>-449,459</b>                       | <b>-73.3%</b>  |
| Renewable power:   |                               |                               |                                     |                                       |                |
| Solar energy technologies.....   | 207,600                       | 206,190                       | 67,000                              | -140,600                              | -67.7%         |
| Wind energy technologies.....  | 90,000                        | 89,388                        | 33,000                              | -57,000                               | -63.3%         |
| Water power technologies.....  | 84,000                        | 83,429                        | 45,000                              | -39,000                               | -46.4%         |
| Geothermal technologies.....   | 69,500                        | 69,028                        | 30,000                              | -39,500                               | -56.8%         |
| <b>Total, Renewable power.....</b>                                     | <b>451,100</b>                | <b>448,035</b>                | <b>175,000</b>                      | <b>-276,100</b>                       | <b>-61.2%</b>  |
| Energy efficiency:   |                               |                               |                                     |                                       |                |
| Advanced Manufacturing.....  | 257,500                       | 255,751                       | 75,000                              | -182,500                              | -70.9%         |
| Federal energy management program.....                                 | 27,000                        | 26,817                        | 10,000                              | -17,000                               | -63.0%         |
| Building Technologies.....   | 199,141                       | 197,789                       | 57,000                              | -142,141                              | -71.4%         |
| Weatherization and intergovernmental programs                          |                               |                               |                                     |                                       |                |
| Weatherization   |                               |                               |                                     |                                       |                |
| Weatherization assistance program.....                                 | 225,000                       | 223,472                       | ---                                 | -225,000                              | -100.0%        |
| Training and technical assistance.....                                 | 3,000                         | 2,980                         | ---                                 | -3,000                                | -100.0%        |
| <b>Total, Weatherization.....</b>                                      | <b>228,000</b>                | <b>226,452</b>                | <b>---</b>                          | <b>-228,000</b>                       | <b>-100.0%</b> |
| State energy program grants.....                                       | 50,000                        | 49,660                        | ---                                 | -50,000                               | -100.0%        |
| <b>Total, Weatherization &amp; intergovernmental<br/>Programs.....</b> | <b>278,000</b>                | <b>276,112</b>                | <b>---</b>                          | <b>-278,000</b>                       | <b>-100.0%</b> |
| <b>Total, Energy efficiency.....</b>                                   | <b>761,641</b>                | <b>756,469</b>                | <b>142,000</b>                      | <b>-619,641</b>                       | <b>-81.4%</b>  |
| Corporate support programs:  |                               |                               |                                     |                                       |                |
| Program direction.....   | 153,500                       | 152,458                       | 125,110                             | -28,390                               | -18.5%         |
| Strategic programs.....  | 19,000                        | 18,871                        | ---                                 | -19,000                               | -100.0%        |
| Facilities and infrastructure.....                                     | 92,000                        | 91,375                        | 90,000                              | -2,000                                | -2.2%          |
| <b>Total, Corporate support programs.....</b>                          | <b>264,500</b>                | <b>262,704</b>                | <b>215,110</b>                      | <b>-49,390</b>                        | <b>-18.7%</b>  |
| <b>Subtotal, Energy Efficiency and Renewable Energy.....</b>           | <b>2,090,200</b>              | <b>2,076,005</b>              | <b>695,610</b>                      | <b>-1,394,590</b>                     | <b>-66.7%</b>  |
| Rescissions  |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (Gen. Prov. EERE).....               | -55,618                       | -35,756                       | ---                                 | +55,618                               | +100.0%        |
| <b>Total, Rescissions.....</b>   | <b>-55,618</b>                | <b>-35,756</b>                | <b>---</b>                          | <b>+55,618</b>                        | <b>+100.0%</b> |
| <b>Total, Energy Efficiency and Renewable Energy.....</b>              | <b>2,034,582</b>              | <b>2,040,249</b>              | <b>695,610</b>                      | <b>-1,338,972</b>                     | <b>-65.8%</b>  |
| <b>Electricity Delivery and Energy Reliability</b>                     |                               |                               |                                     |                                       |                |
| Clean energy transmission and reliability.....                         | 36,000                        | 35,756                        | ---                                 | -36,000                               | -100.0%        |
| Energy storage.....  | 31,000                        | 30,790                        | ---                                 | -31,000                               | -100.0%        |
| Transformer resilience and advanced components.....                    | 6,000                         | 5,959                         | ---                                 | -6,000                                | -100.0%        |
| Infrastructure security and energy                                     |                               |                               |                                     |                                       |                |
| restoration.....   | 9,000                         | 8,939                         | ---                                 | -9,000                                | -100.0%        |
| Smart grid research and development.....                               | 50,000                        | 49,660                        | ---                                 | -50,000                               | -100.0%        |
| Cybersecurity for energy delivery systems.....                         | 62,000                        | 61,579                        | ---                                 | -62,000                               | -100.0%        |
| National electricity delivery.....                                     | 7,500                         | 7,449                         | ---                                 | -7,500                                | -100.0%        |
| Program direction.....   | 28,500                        | 28,306                        | ---                                 | -28,500                               | -100.0%        |
| <b>Subtotal, Program direction.....</b>                                | <b>28,500</b>                 | <b>28,306</b>                 | <b>---</b>                          | <b>-28,500</b>                        | <b>-100.0%</b> |
| <b>Subtotal, Electricity Delivery and Energy Reliability.....</b>      | <b>230,000</b>                | <b>228,438</b>                | <b>---</b>                          | <b>-230,000</b>                       | <b>-100.0%</b> |
| Rescission   |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (Gen. Prov.).....                    | -415                          | -412                          | ---                                 | +415                                  | +100.0%        |
| <b>Total, Electricity Delivery and Energy Reliability.....</b>         | <b>229,585</b>                | <b>228,026</b>                | <b>---</b>                          | <b>-229,585</b>                       | <b>-100.0%</b> |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|   | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                |
|---|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|----------------|
|   |                               |                               |                                     | \$                                    | %              |
| <b>Electricity Delivery</b>   |                               |                               |                                     |                                       |                |
| Transmission Reliability and Resilience.....  | ---                           | ---                           | 13,000                              | +13,000                               | N/A            |
| Resilient distribution systems.....   | ---                           | ---                           | 10,000                              | +10,000                               | N/A            |
| Energy storage.....   | ---                           | ---                           | 8,000                               | +8,000                                | N/A            |
| Transformer resilience and advanced components.....                                 | ---                           | ---                           | 5,000                               | +5,000                                | N/A            |
| Transmission permitting and technical assistance.....                               | ---                           | ---                           | 6,000                               | +6,000                                | N/A            |
| Program direction - Office Electricity.....   | ---                           | ---                           | 19,309                              | +19,309                               | N/A            |
| <b>Total, Electricity Delivery.....</b>   | <b>---</b>                    | <b>---</b>                    | <b>61,309</b>                       | <b>+61,309</b>                        | <b>N/A</b>     |
| <b>Cybersecurity, Energy Security, and Emergency Response</b>                       |                               |                               |                                     |                                       |                |
| Cybersecurity for Energy Delivery Systems (CEDs).....                               | ---                           | ---                           | 70,000                              | +70,000                               | N/A            |
| Infrastructure security and energy restoration.....                                 | ---                           | ---                           | 18,000                              | +18,000                               | N/A            |
| Program direction - Office CESER.....   | ---                           | ---                           | 7,800                               | +7,800                                | N/A            |
| <b>Total, Office of Cybersecurity, Energy Security, and Emergency Response.....</b> | <b>---</b>                    | <b>---</b>                    | <b>95,800</b>                       | <b>+95,800</b>                        | <b>N/A</b>     |
| <b>Nuclear Energy</b>   |                               |                               |                                     |                                       |                |
| Research and Development  |                               |                               |                                     |                                       |                |
| Integrated University Program.....  | 5,000                         | 4,966                         | ---                                 | -5,000                                | -100.0%        |
| Step R&D.....   | 5,000                         | 4,966                         | ---                                 | -5,000                                | -100.0%        |
| SMR licensing technical support.....  | 95,000                        | 94,355                        | ---                                 | -95,000                               | -100.0%        |
| Reactor Concepts RD&D.....  | 132,000                       | 131,103                       | 163,000                             | +31,000                               | +23.5%         |
| Fuel cycle research and development.....  | 207,500                       | 206,091                       | 60,000                              | -147,500                              | -71.1%         |
| Nuclear Energy Enabling Technologies.....   | 115,100                       | 114,319                       | 116,000                             | +900                                  | +0.8%          |
| International nuclear energy cooperation.....                                       | 3,000                         | 2,980                         | 2,500                               | -500                                  | -16.7%         |
| <b>Total, Research and Development.....</b>   | <b>562,600</b>                | <b>558,780</b>                | <b>341,500</b>                      | <b>-221,100</b>                       | <b>-39.3%</b>  |
| Radiological facility management  |                               |                               |                                     |                                       |                |
| Idaho facilities management   | 17,000                        | 16,884                        | 9,000                               | -8,000                                | -47.1%         |
| Idaho facilities management.....  | 237,713                       | 236,098                       | 204,000                             | -33,713                               | -14.2%         |
| Idaho sitewide safeguards and security.....   | 129,303                       | 128,425                       | 136,090                             | +6,787                                | +5.2%          |
| Program Direction.....  | 80,000                        | 79,457                        | 66,500                              | -13,500                               | -16.9%         |
| <b>Subtotal, Nuclear Energy.....</b>  | <b>1,026,616</b>              | <b>1,019,644</b>              | <b>757,090</b>                      | <b>-269,526</b>                       | <b>-26.3%</b>  |
| Adjustments:  |                               |                               |                                     |                                       |                |
| Use of prior year balances (NE).....  | -10,000                       | ---                           | ---                                 | +10,000                               | +100.0%        |
| Undistributed, NE.....  | ---                           | -9,932                        | ---                                 | ---                                   | N/A            |
| <b>Total, Adjustments.....</b>  | <b>-10,000</b>                | <b>-9,932</b>                 | <b>---</b>                          | <b>+10,000</b>                        | <b>+100.0%</b> |
| <b>Subtotal, Nuclear Energy.....</b>  | <b>1,016,616</b>              | <b>1,009,712</b>              | <b>757,090</b>                      | <b>-259,526</b>                       | <b>-25.5%</b>  |
| Rescission of prior year balances (Gen. Prov.).....                                 | -795                          | -790                          | ---                                 | +795                                  | +100.0%        |
| <b>Total, Nuclear Energy.....</b>   | <b>1,015,821</b>              | <b>1,008,922</b>              | <b>757,090</b>                      | <b>-258,731</b>                       | <b>-25.5%</b>  |
| <b>Fossil Energy Research and Development</b>                                       |                               |                               |                                     |                                       |                |
| Fossil Energy Research and Development  |                               |                               |                                     |                                       |                |
| Coal  |                               |                               |                                     |                                       |                |
| Coal CCS and Power Systems  |                               |                               |                                     |                                       |                |
| Carbon Capture.....   | 101,000                       | 100,314                       | ---                                 | -101,000                              | -100.0%        |
| Carbon Storage.....   | 95,300                        | 94,653                        | ---                                 | -95,300                               | -100.0%        |
| Advanced Energy Systems.....  | 105,000                       | 104,287                       | ---                                 | -105,000                              | -100.0%        |
| Cross-cutting research.....   | 45,500                        | 45,190                        | ---                                 | -45,500                               | -100.0%        |
| <b>Total, Coal CCS and Power Systems.....</b>                                       | <b>346,800</b>                | <b>344,444</b>                | <b>---</b>                          | <b>-346,800</b>                       | <b>-100.0%</b> |
| NETL coal research and development  |                               |                               |                                     |                                       |                |
| Supercritical Transformational Electric Power.....                                  | 53,000                        | 52,640                        | ---                                 | -53,000                               | -100.0%        |
| Supercritical Transformational Electric Power.....                                  | 24,000                        | 23,837                        | ---                                 | -24,000                               | -100.0%        |
| <b>Total, Coal.....</b>   | <b>423,800</b>                | <b>420,921</b>                | <b>---</b>                          | <b>-423,800</b>                       | <b>-100.0%</b> |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|   | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                |
|---|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|----------------|
|   |                               |                               |                                     | \$                                    | %              |
| <b>Advanced Coal Energy Systems &amp; CCUS</b>                                      |                               |                               |                                     |                                       |                |
| Advanced Energy Systems.....  | ---                           | ---                           | 175,000                             | +175,000                              | N/A            |
| Crosscutting Research.....  | ---                           | ---                           | 53,300                              | +53,300                               | N/A            |
| Carbon Capture Utilization and Storage.....   | ---                           | ---                           | 40,000                              | +40,000                               | N/A            |
| STEP Supercritical CO2.....   | ---                           | ---                           | 25,000                              | +25,000                               | N/A            |
| NETL Coal Research and Development.....   | ---                           | ---                           | 50,000                              | +50,000                               | N/A            |
| <b>Total, Advanced Coal Energy Systems &amp; CCUS.....</b>                          | <b>---</b>                    | <b>---</b>                    | <b>343,300</b>                      | <b>+343,300</b>                       | <b>N/A</b>     |
| Natural gas technologies.....   | 43,000                        | 42,708                        | 5,500                               | -37,500                               | -87.2%         |
| Unconventional fossil energy technologies<br>from Petroleum - Oil technologies..... | 21,000                        | 20,857                        | 14,000                              | -7,000                                | -33.3%         |
| Program direction.....  | 60,000                        | 59,593                        | 61,070                              | +1,070                                | +1.8%          |
| Special recruitment programs.....   | 700                           | 695                           | 200                                 | -500                                  | -71.4%         |
| NETL Research and Operations.....   | 43,000                        | 42,708                        | 40,000                              | -3,000                                | -7.0%          |
| NETL Infrastructure and operations.....   | 40,500                        | 40,226                        | 38,000                              | -2,500                                | -6.2%          |
| <b>Subtotal, Fossil Energy Research and Development.....</b>                        | <b>632,000</b>                | <b>627,708</b>                | <b>502,070</b>                      | <b>-129,930</b>                       | <b>-20.6%</b>  |
| <b>Adjustments:</b>   |                               |                               |                                     |                                       |                |
| Use of prior year balances.....   | -14,000                       | -13,905                       | ---                                 | +14,000                               | +100.0%        |
| Fossil Proviso.....   | 50,000                        | 49,660                        | ---                                 | -50,000                               | -100.0%        |
| <b>Rescission:</b>  |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (Gen. Prov.).....                                 | -6,846                        | ---                           | ---                                 | +6,846                                | +100.0%        |
| FE Rescission of prior year balances (Gen. Prov.).....                              | -240,000                      | -238,370                      | ---                                 | +240,000                              | +100.0%        |
| <b>Total, Rescission.....</b>   | <b>-246,846</b>               | <b>-238,370</b>               | <b>---</b>                          | <b>+246,846</b>                       | <b>+100.0%</b> |
| <b>Total, Fossil Energy Research and Development.....</b>                           | <b>421,154</b>                | <b>425,093</b>                | <b>502,070</b>                      | <b>+80,916</b>                        | <b>+19.2%</b>  |
| <b>Petroleum Reserves:</b>  |                               |                               |                                     |                                       |                |
| <b>Naval Petroleum and Oil Shale Reserve</b>  |                               |                               |                                     |                                       |                |
| Production operations.....  | 12,630                        | 12,544                        | 18,550                              | +5,920                                | +46.9%         |
| Management.....   | 2,320                         | 2,304                         | 2,000                               | -320                                  | -13.8%         |
| Use of prior year balances.....   | ---                           | ---                           | -10,550                             | -10,550                               | N/A            |
| Rescission of prior year balances (Gen. Prov.).....                                 | -2,945                        | ---                           | ---                                 | +2,945                                | +100.0%        |
| <b>Total, Naval Petroleum &amp; Oil Shale Reserve.....</b>                          | <b>12,005</b>                 | <b>14,848</b>                 | <b>10,000</b>                       | <b>-2,005</b>                         | <b>-16.7%</b>  |
| <b>Strategic Petroleum Reserve</b>  |                               |                               |                                     |                                       |                |
| Facilities development and operations.....  | 195,646                       | 194,317                       | 149,131                             | -46,515                               | -23.8%         |
| Management for SPR operations.....  | 27,354                        | 27,168                        | 25,974                              | -1,380                                | -5.0%          |
| Sale of crude oil.....  | -340,000                      | -337,691                      | -300,000                            | +40,000                               | +11.8%         |
| Use of sale proceeds.....   | 340,000                       | 337,691                       | 300,000                             | -40,000                               | -11.8%         |
| <b>Rescission</b>   |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (Gen. Prov.).....                                 | -395                          | ---                           | ---                                 | +395                                  | +100.0%        |
| <b>Total, Strategic Petroleum Reserve.....</b>                                      | <b>222,605</b>                | <b>221,485</b>                | <b>175,105</b>                      | <b>-47,500</b>                        | <b>-21.3%</b>  |
| <b>SPR - Petroleum Account</b>  |                               |                               |                                     |                                       |                |
| Petroleum Acquisition, Transportation and Drawdown.....                             | 7,364                         | ---                           | 9,912                               | +2,548                                | +34.6%         |
| Use of Crude Oil Sale Proceeds.....   | ---                           | ---                           | -9,912                              | -9,912                                | N/A            |
| Northeast Gasoline Supply Reserve.....  | ---                           | ---                           | 3,000                               | +3,000                                | N/A            |
| Use of prior year balances.....   | -7,364                        | ---                           | -3,000                              | +4,364                                | +59.3%         |
| <b>Total, Strategic Petroleum Reserve - Petroleum Acct.....</b>                     | <b>---</b>                    | <b>---</b>                    | <b>---</b>                          | <b>---</b>                            | <b>N/A</b>     |
| <b>Northeast Home Heating Oil Reserve</b>   |                               |                               |                                     |                                       |                |
| Northeast home heating oil reserve.....   | 10,500                        | 10,429                        | 10,000                              | -500                                  | -4.8%          |
| Use of prior year balances.....   | -4,000                        | -3,973                        | ---                                 | +4,000                                | +100.0%        |
| Rescissions.....  | -3                            | ---                           | ---                                 | +3                                    | +100.0%        |
| <b>Total, Northeast Home Heating Oil Reserve.....</b>                               | <b>6,497</b>                  | <b>6,456</b>                  | <b>10,000</b>                       | <b>+3,503</b>                         | <b>+53.9%</b>  |
| <b>Total, Petroleum Reserves.....</b>   | <b>241,107</b>                | <b>242,789</b>                | <b>195,105</b>                      | <b>-46,002</b>                        | <b>-19.1%</b>  |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |               |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|---------------|
|  |                               |                               |                                     | \$                                    | %             |
| <b>Uranium Enrichment Decontamination and Decommissioning Fund</b> |                               |                               |                                     |                                       |               |
| Oak Ridge.....   | 194,673                       | 193,351                       | 151,039                             | -43,634                               | -22.4%        |
| Paducah.....   | 205,530                       | 204,134                       | 202,581                             | -2,949                                | -1.4%         |
| Portsmouth.....  | 315,168                       | 313,027                       | 348,099                             | +32,931                               | +10.4%        |
| Pension and community and regulatory support                       |                               |                               |                                     |                                       |               |
| Oak Ridge.....   | 18,772                        | 18,645                        | 17,258                              | -1,514                                | -8.1%         |
| Paducah.....   | 2,386                         | 2,370                         | 2,102                               | -284                                  | -11.9%        |
| Portsmouth.....  | 1,795                         | 1,783                         | 1,670                               | -125                                  | -7.0%         |
| Total, Pension and community& regulatory support.....              | 22,953                        | 22,798                        | 21,030                              | -1,923                                | -8.4%         |
| Title X uranium/thorium reimbursement program.....                 | 30,000                        | 29,796                        | 30,000                              | ---                                   | N/A           |
| Rescission of prior year balances (Gen. Prov.).....                | -71                           | ---                           | ---                                 | +71                                   | +100.0%       |
| Use of prior year balances.....                                    | -324                          | ---                           | ---                                 | +324                                  | +100.0%       |
| Undistributed EM (UED&D).....                                      | ---                           | ---                           | ---                                 | ---                                   | N/A           |
| <b>Total, Uranium Enrichment D&amp;D Fund.....</b>                 | <b>767,929</b>                | <b>763,106</b>                | <b>752,749</b>                      | <b>-15,180</b>                        | <b>-2.0%</b>  |
| <b>Energy Information Administration</b>                           |                               |                               |                                     |                                       |               |
| National energy information system.....                            | 122,000                       | 121,171                       | 115,035                             | -6,965                                | -5.7%         |
| <b>Total, Energy Information Administration.....</b>               | <b>122,000</b>                | <b>121,171</b>                | <b>115,035</b>                      | <b>-6,965</b>                         | <b>-5.7%</b>  |
| <b>Non-Defense Environmental Cleanup</b>                           |                               |                               |                                     |                                       |               |
| Fast flux test reactor facility (WA).....                          | 2,240                         | 2,225                         | 2,240                               | ---                                   | N/A           |
| Gaseous diffusion plants.....                                      | 101,304                       | 100,616                       | 100,575                             | -729                                  | -0.7%         |
| Small sites:   |                               |                               |                                     |                                       |               |
| Small sites.....   | 77,043                        | 76,521                        | 55,031                              | -22,012                               | -28.6%        |
| West Valley demonstration project                                  |                               |                               |                                     |                                       |               |
| West Valley demonstration project.....                             | 66,413                        | 65,962                        | 60,554                              | -5,859                                | -8.8%         |
| Subtotal, Non-defense environmental cleanup.....                   | 247,000                       | 245,324                       | 218,400                             | -28,600                               | -11.6%        |
| Rescission of prior year balances (Gen. Prov.).....                | -238                          | ---                           | ---                                 | +238                                  | +100.0%       |
| <b>Total, Non-Defense Environmental Cleanup.....</b>               | <b>246,762</b>                | <b>245,324</b>                | <b>218,400</b>                      | <b>-28,362</b>                        | <b>-11.5%</b> |
| <b>Science</b>   |                               |                               |                                     |                                       |               |
| Office of Science  |                               |                               |                                     |                                       |               |
| Advanced Scientific Computing Research.....                        | 647,000                       | 642,606                       | 899,010                             | +252,010                              | +39.0%        |
| Basic Energy Sciences.....   | 1,871,500                     | 1,858,791                     | 1,850,000                           | -21,500                               | -1.1%         |
| Biological and Environmental Research.....                         | 612,000                       | 607,844                       | 500,000                             | -112,000                              | -18.3%        |
| Fusion Energy sciences.....  | 380,000                       | 377,419                       | 340,000                             | -40,000                               | -10.5%        |
| High Energy Physics.....   | 825,000                       | 819,397                       | 770,000                             | -55,000                               | -6.7%         |
| Nuclear physics.....   | 622,000                       | 617,776                       | 600,000                             | -22,000                               | -3.5%         |
| Workforce Development for Teachers and Scientists.....             | 19,500                        | 19,368                        | 19,000                              | -500                                  | -2.6%         |
| Science Laboratories Infrastructure.....                           | 130,000                       | 129,117                       | 126,852                             | -3,148                                | -2.4%         |
| Safeguards and Security.....                                       | 103,000                       | 102,301                       | 106,110                             | +3,110                                | +3.0%         |
| Science Program Direction.....                                     | 182,000                       | 180,764                       | 180,000                             | -2,000                                | -1.1%         |
| Subtotal, Science.....   | 5,392,000                     | 5,355,383                     | 5,390,972                           | -1,028                                | -0.0%         |
| Rescission   |                               |                               |                                     |                                       |               |
| Rescission of prior year balances (Gen. Prov.).....                | -1,028                        | -1,021                        | ---                                 | +1,028                                | +100.0%       |
| <b>Total, Science.....</b>   | <b>5,390,972</b>              | <b>5,354,362</b>              | <b>5,390,972</b>                    | <b>---</b>                            | <b>N/A</b>    |
| <b>Advanced Research Projects Agency - Energy</b>                  |                               |                               |                                     |                                       |               |
| Advanced research projects agency - Energy                         |                               |                               |                                     |                                       |               |
| ARPA-E projects.....   | 276,750                       | 274,871                       | ---                                 | -276,750                              | -100.0%       |
| Program direction.....   | 29,250                        | 29,051                        | ---                                 | -29,250                               | -100.0%       |
| Subtotal, ARPA - Energy.....                                       | 306,000                       | 303,922                       | ---                                 | -306,000                              | -100.0%       |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|   | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                |
|---|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|----------------|
|   |                               |                               |                                     | \$                                    | %              |
| Rescissions:  |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (Gen. Prov.).....           | -755                          | -750                          | ---                                 | +755                                  | +100.0%        |
| <b>Total, Advanced Research Projects Agency - Energy.....</b> | <b>305,245</b>                | <b>303,172</b>                | <b>---</b>                          | <b>-305,245</b>                       | <b>-100.0%</b> |
| <b>Nuclear Waste Disposal</b>                                 |                               |                               |                                     |                                       |                |
| Yucca mountain and interim storage.....                       | ---                           | ---                           | 90,000                              | +90,000                               | N/A            |
| <b>Total, Nuclear Waste Disposal.....</b>                     | <b>---</b>                    | <b>---</b>                    | <b>90,000</b>                       | <b>+90,000</b>                        | <b>N/A</b>     |
| <b>Departmental Administration</b>                            |                               |                               |                                     |                                       |                |
| Office of the Secretary.....                                  | 5,089                         | 5,054                         | 5,395                               | +306                                  | +6.0%          |
| Chief financial officer.....                                  | 49,242                        | 48,908                        | 48,912                              | -330                                  | -0.7%          |
| Management.....   | 52,924                        | 52,565                        | 54,872                              | +1,948                                | +3.7%          |
| Project Management Oversight and Assessments                  |                               |                               |                                     |                                       |                |
| PM Oversight and Assessments.....                             | 12,373                        | 12,289                        | 15,005                              | +2,632                                | +21.3%         |
| Chief human capital officer.....                              | 24,500                        | 24,334                        | 25,625                              | +1,125                                | +4.6%          |
| Chief information officer.....                                | 74,492                        | 73,986                        | 96,793                              | +22,301                               | +29.9%         |
| Office of Indian energy policy and programs.....              | 16,000                        | 15,891                        | 10,005                              | -5,995                                | -37.5%         |
| Congressional & intergovernmental affairs.....                | 6,200                         | 6,158                         | 6,212                               | +12                                   | +0.2%          |
| Office of Small and Disadvantaged Business Utilization.....   | 3,000                         | 2,980                         | 3,170                               | +170                                  | +5.7%          |
| Economic impact and diversity.....                            | 10,169                        | 10,100                        | 10,005                              | -164                                  | -1.6%          |
| General counsel.....  | 33,000                        | 32,776                        | 33,075                              | +75                                   | +0.2%          |
| Energy policy and systems analysis.....                       | 31,000                        | 30,789                        | ---                                 | -31,000                               | -100.0%        |
| Office of Policy.....   | ---                           | ---                           | 2,510                               | +2,510                                | N/A            |
| International affairs.....                                    | 18,000                        | 17,878                        | 24,545                              | +6,545                                | +36.4%         |
| Public Affairs.....   | 3,431                         | 3,408                         | 6,594                               | +3,163                                | +92.2%         |
| Technology Transitions.....                                   | 6,906                         | 6,859                         | 8,505                               | +1,599                                | +23.2%         |
| Strategic partnership projects (SPP).....                     | 40,000                        | 39,728                        | 40,000                              | ---                                   | N/A            |
| Subtotal, Departmental Administration (gross).....            | 386,326                       | 383,703                       | 391,223                             | +4,897                                | +1.3%          |
| Adjustments:  |                               |                               |                                     |                                       |                |
| Use of prior year balances (CI).....                          | ---                           | ---                           | -2,000                              | -2,000                                | N/A            |
| Use of prior year balances & other adj. (SPP).....            | -20,610                       | -20,470                       | ---                                 | +20,610                               | +100.0%        |
| Defense related administrative support                        |                               |                               |                                     |                                       |                |
| Funding from other defense activities (CFO).....              | -45,224                       | -44,917                       | -48,484                             | -3,260                                | -7.2%          |
| Funding from other defense activities (CIO).....              | -74,492                       | -73,986                       | -96,793                             | -22,301                               | -29.9%         |
| Funding from other defense activities (PMOA).....             | ---                           | ---                           | -8,412                              | -8,412                                | N/A            |
| Total, Defense related administrative support.....            | -119,716                      | -118,903                      | -153,689                            | -33,973                               | -28.4%         |
| Total, Adjustments.....                                       | -140,326                      | -139,373                      | -155,689                            | -15,363                               | -10.9%         |
| Subtotal, Departmental Administration.....                    | 246,000                       | 244,330                       | 235,534                             | -10,466                               | -4.3%          |
| Rescission:   |                               |                               |                                     |                                       |                |
| Rescission of prior year balances (HC).....                   | -14                           | ---                           | ---                                 | +14                                   | +100.0%        |
| Rescission of prior year balances (ESPA).....                 | -1                            | ---                           | ---                                 | +1                                    | +100.0%        |
| Rescission of prior year balances (IA).....                   | -2                            | ---                           | ---                                 | +2                                    | +100.0%        |
| Rescission of prior year balances (PA).....                   | -26                           | ---                           | ---                                 | +26                                   | +100.0%        |
| Rescission of prior year balances (SPP).....                  | -94                           | ---                           | ---                                 | +94                                   | +100.0%        |
| Subtotal, Rescission.....                                     | -137                          | ---                           | ---                                 | +137                                  | +100.0%        |
| Total, Departmental Administration (gross).....               | 245,863                       | 244,330                       | 235,534                             | -10,329                               | -4.2%          |
| Miscellaneous revenues  |                               |                               |                                     |                                       |                |
| Revenues associated with SPP.....                             | ---                           | ---                           | -40,000                             | -40,000                               | N/A            |
| Other revenues.....   | -125,171                      | -124,321                      | -56,000                             | +69,171                               | +55.3%         |
| Total, Miscellaneous revenues.....                            | -125,171                      | -124,321                      | -96,000                             | +29,171                               | +23.3%         |
| <b>Total, Departmental Administration (Net).....</b>          | <b>120,692</b>                | <b>120,009</b>                | <b>139,534</b>                      | <b>+18,842</b>                        | <b>+15.6%</b>  |
| <b>Office of Inspector General</b>                            |                               |                               |                                     |                                       |                |
| Office of inspector general.....                              | 48,692                        | 48,361                        | 51,330                              | +2,638                                | +5.4%          |
| Use of prior year balances.....                               | -4,268                        | -4,239                        | ---                                 | +4,268                                | +100.0%        |
| <b>Total, Office of Inspector General.....</b>                | <b>44,424</b>                 | <b>44,122</b>                 | <b>51,330</b>                       | <b>+6,906</b>                         | <b>+15.5%</b>  |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                  |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|------------------|
|  |                               |                               |                                     | \$                                    | %                |
| <b>Title 17 - Innovative Technology Loan</b>                                   |                               |                               |                                     |                                       |                  |
| <b>Guarantee Program</b>   |                               |                               |                                     |                                       |                  |
| Administrative expenses.....   | 37,000                        | 36,749                        | 10,000                              | -27,000                               | -73.0%           |
| Offsetting collections.....  | -27,000                       | -20,000                       | -3,000                              | +24,000                               | +88.9%           |
| Subtotal, Title 17 - Innovative Technology<br>Loan Guarantee Program.....      | 10,000                        | 16,749                        | 7,000                               | -3,000                                | -30.0%           |
| Rescission of prior year balances (Gen. Prov.).....                            | -9,861                        | ----                          | ----                                | +9,861                                | +100.0%          |
| <b>Total, Title 17 - Innovative Technology<br/>Loan Guarantee Program.....</b> | <b>139</b>                    | <b>16,749</b>                 | <b>7,000</b>                        | <b>+6,861</b>                         | <b>+4,936.0%</b> |
| <b>Tribal Energy Loan Guarantee Program</b>                                    |                               |                               |                                     |                                       |                  |
| Administrative expenses.....   | 9,000                         | 8,939                         | ----                                | -9,000                                | -100.0%          |
| Cancellation.....  | ----                          | ----                          | -8,500                              | -8,500                                | N/A              |
| <b>Total, Tribal Energy Loan Guarantee Program.....</b>                        | <b>9,000</b>                  | <b>8,939</b>                  | <b>-8,500</b>                       | <b>-17,500</b>                        | <b>-194.4%</b>   |
| <b>Advanced Technology Vehicles Manufacturing<br/>Loan Program</b>             |                               |                               |                                     |                                       |                  |
| Administrative expenses.....   | 5,000                         | 4,966                         | 1,000                               | -4,000                                | -80.0%           |
| Rescission of prior year balances.....   | -1,117                        | ----                          | ----                                | +1,117                                | +100.0%          |
| <b>Total, Advanced Technology Vehicles<br/>Manufacturing Loan Program.....</b> | <b>3,883</b>                  | <b>4,966</b>                  | <b>1,000</b>                        | <b>-2,883</b>                         | <b>-74.2%</b>    |
| <b>Federal Salaries and Expenses</b>   |                               |                               |                                     |                                       |                  |
| Program direction.....   | 390,000                       | 387,352                       | 422,529                             | +32,529                               | +8.3%            |
| Rescission of prior year balances (Gen. Prov.).....                            | -2,634                        | -2,616                        | ----                                | +2,634                                | +100.0%          |
| <b>Total, Federal Salaries and Expenses.....</b>                               | <b>387,366</b>                | <b>384,736</b>                | <b>422,529</b>                      | <b>+35,163</b>                        | <b>+9.1%</b>     |
| <b>Weapons Activities</b>  |                               |                               |                                     |                                       |                  |
| Directed stockpile work.....   | 3,308,027                     | 3,285,561                     | 4,666,205                           | +1,358,178                            | +41.1%           |
| Research, development, test, and evaluation (RDT&E)                            |                               |                               |                                     |                                       |                  |
| Science.....   | 436,500                       | 433,537                       | 564,860                             | +128,360                              | +29.4%           |
| Engineering.....   | 132,482                       | 131,582                       | 211,367                             | +78,885                               | +59.5%           |
| Inertial confinement fusion and high<br>yield.....                             | 522,959                       | 519,408                       | 418,927                             | -104,032                              | -19.9%           |
| Advanced simulation and computing.....   | 663,184                       | 658,680                       | 703,401                             | +40,217                               | +6.1%            |
| Advanced manufacturing development.....  | 87,105                        | 86,514                        | 96,838                              | +9,733                                | +11.2%           |
| Total, RDT&E.....  | 1,842,230                     | 1,829,721                     | 1,995,393                           | +153,163                              | +8.3%            |
| Infrastructure and operations.....   | 2,808,363                     | 2,789,290                     | 3,002,736                           | +194,373                              | +6.9%            |
| Secure transportation asset.....   | 248,889                       | 247,199                       | 278,639                             | +29,750                               | +12.0%           |
| Defense nuclear security.....  | 685,500                       | 680,845                       | 690,638                             | +5,138                                | +0.7%            |
| Information technology and cybersecurity.....                                  | 176,592                       | 175,393                       | 221,175                             | +44,583                               | +25.2%           |
| Legacy contractor pensions.....  | 248,492                       | 246,804                       | 162,292                             | -86,200                               | -34.7%           |
| Subtotal, Weapons activities.....  | 9,318,093                     | 9,254,813                     | 11,017,078                          | +1,698,985                            | +18.2%           |
| Rescission   |                               |                               |                                     |                                       |                  |
| Rescission of prior year balances.....   | -72,526                       | ----                          | ----                                | +72,526                               | +100.0%          |
| Rescission of prior year balances (Gen. Prov.).....                            | -4,828                        | -13,138                       | ----                                | +4,828                                | +100.0%          |
| <b>Total, Weapons Activities.....</b>  | <b>9,240,739</b>              | <b>9,241,675</b>              | <b>11,017,078</b>                   | <b>+1,776,339</b>                     | <b>+19.2%</b>    |



U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |               |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|---------------|
|  |                               |                               |                                     | \$                                    | %             |
| <b>Defense Nuclear Nonproliferation</b>                        |                               |                               |                                     |                                       |               |
| Defense Nuclear Nonproliferation Programs                      |                               |                               |                                     |                                       |               |
| Global material security.....                                  | 367,108                       | 364,615                       | 337,108                             | -30,000                               | -8.2%         |
| Material management and minimization.....                      | 288,350                       | 286,391                       | 332,094                             | +43,744                               | +15.2%        |
| Nonproliferation and arms control.....                         | 124,703                       | 123,856                       | 129,703                             | +5,000                                | +4.0%         |
| Defense Nuclear Nonproliferation R&D.....                      | 469,750                       | 466,560                       | 456,095                             | -13,655                               | -2.9%         |
| Nonproliferation construction.....                             | 335,000                       | 332,725                       | 279,000                             | -56,000                               | -16.7%        |
| Total, Defense Nuclear Nonproliferation Programs.....          | 1,584,911                     | 1,574,147                     | 1,534,000                           | -50,911                               | -3.2%         |
| Legacy contractor pensions.....                                |                               |                               |                                     |                                       |               |
| Nuclear counterterrorism and incident response<br>program..... | 83,208                        | 82,643                        | 28,640                              | -54,568                               | -65.6%        |
| Subtotal, Defense Nuclear Nonproliferation.....                | 271,881                       | 270,035                       | 319,185                             | +47,304                               | +17.4%        |
| Adjustments  | 1,940,000                     | 1,926,825                     | 1,881,825                           | -58,175                               | -3.0%         |
| Use of prior year balances (NN).....                           | -38,000                       | -37,742                       | -19,000                             | +19,000                               | +50.0%        |
| Total, Adjustments.....  | -38,000                       | -37,742                       | -19,000                             | +19,000                               | +50.0%        |
| Subtotal, Defense Nuclear Nonproliferation.....                | 1,902,000                     | 1,889,083                     | 1,862,825                           | -39,175                               | -2.1%         |
| Rescission   |                               |                               |                                     |                                       |               |
| Rescission of prior year balances.....                         | -19,128                       | ---                           | ---                                 | +19,128                               | +100.0%       |
| Rescission of prior year balances (Gen. Prov.).....            | -3,134                        | -3,113                        | ---                                 | +3,134                                | +100.0%       |
| <b>Total, Defense Nuclear Nonproliferation.....</b>            | <b>1,879,738</b>              | <b>1,885,970</b>              | <b>1,862,825</b>                    | <b>-16,913</b>                        | <b>-0.9%</b>  |
| <b>Naval Reactors</b>  |                               |                               |                                     |                                       |               |
| Naval reactors development.....                                | 440,338                       | 437,348                       | 514,951                             | +74,613                               | +16.9%        |
| Ohio replacement reactor systems development.....              | 213,700                       | 212,249                       | ---                                 | -213,700                              | -100.0%       |
| Columbia-Class reactor systems development.....                | ---                           | ---                           | 138,000                             | +138,000                              | N/A           |
| S8G Prototype refueling.....                                   | 124,000                       | 123,158                       | 250,000                             | +126,000                              | +101.6%       |
| Naval reactors operations and infrastructure.....              | 449,682                       | 446,628                       | 525,764                             | +76,082                               | +16.9%        |
| Construction.....  | 148,300                       | 147,292                       | 311,194                             | +162,894                              | +109.8%       |
| Program direction.....   | 44,100                        | 43,801                        | 48,709                              | +4,609                                | +10.5%        |
| Subtotal, Naval Reactors.....                                  | 1,420,120                     | 1,410,476                     | 1,788,618                           | +368,498                              | +25.9%        |
| Rescission   |                               |                               |                                     |                                       |               |
| Rescission of prior year balances.....                         | -307                          | ---                           | ---                                 | +307                                  | +100.0%       |
| Rescission of prior year balances (Gen. Prov.).....            | -21                           | -21                           | ---                                 | +21                                   | +100.0%       |
| <b>Total, Naval Reactors.....</b>                              | <b>1,419,792</b>              | <b>1,410,455</b>              | <b>1,788,618</b>                    | <b>+368,826</b>                       | <b>+26.0%</b> |
| <b>Defense Environmental Cleanup</b>                           |                               |                               |                                     |                                       |               |
| Closure sites.....   | 9,389                         | 9,325                         | 4,889                               | -4,500                                | -47.9%        |
| Richland:  |                               |                               |                                     |                                       |               |
| River corridor and other cleanup operations.....               | 143,755                       | 142,779                       | 89,577                              | -54,178                               | -37.7%        |
| Central plateau remediation.....                               | 659,818                       | 655,337                       | 562,473                             | -97,345                               | -14.8%        |
| Richland community and regulatory support.....                 | 24,701                        | 24,533                        | 5,121                               | -19,580                               | -79.3%        |
| Construction.....  | 11,486                        | 11,408                        | 1,000                               | -10,486                               | -91.3%        |
| Total, Richland.....   | 839,760                       | 834,057                       | 658,171                             | -181,589                              | -21.6%        |
| Office of River Protection.....                                | 1,499,965                     | 1,489,779                     | 1,438,513                           | -61,452                               | -4.1%         |
| Idaho National Laboratory.....                                 | 382,088                       | 379,493                       | 349,226                             | -32,862                               | -8.6%         |
| NNSA sites and Nevada off-sites.....                           | 265,387                       | 263,586                       | 271,069                             | +5,682                                | +2.1%         |
| Oak Ridge Reservation.....                                     | 263,219                       | 261,432                       | 226,206                             | -37,013                               | -14.1%        |
| Savannah River Sites:  |                               |                               |                                     |                                       |               |
| Savannah River risk management operations.....                 | 448,980                       | 445,931                       | ---                                 | -448,980                              | -100.0%       |
| Nuclear Material Management                                    |                               |                               |                                     |                                       |               |
| Nuclear Material Management.....                               | ---                           | ---                           | 351,331                             | +351,331                              | N/A           |
| Total, Nuclear Material Management.....                        | ---                           | ---                           | 351,331                             | +351,331                              | N/A           |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |              |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|--------------|
|  |                               |                               |                                     | \$                                    | %            |
| Environmental Cleanup                                |                               |                               |                                     |                                       |              |
| Environmental Cleanup.....                           | ----                          | ----                          | 166,105                             | +166,105                              | N/A          |
| Construction.....                                    | ----                          | ----                          | 1,259                               | +1,259                                | N/A          |
| Total, Environmental Cleanup.....                    | ----                          | ----                          | 167,364                             | +167,364                              | N/A          |
| SR community and regulatory support.....             | 11,249                        | 11,173                        | 4,749                               | -6,500                                | -57.8%       |
| Radioactive liquid tank waste.....                   | 773,200                       | 767,950                       | 949,379                             | +176,179                              | +22.8%       |
| SR safeguards and security.....                      | ----                          | ----                          | ----                                | ----                                  | N/A          |
| Total, Savannah River Site.....                      | 1,233,429                     | 1,225,054                     | 1,472,823                           | +239,394                              | +19.4%       |
| Waste Isolation Pilot Plant.....                     | 292,720                       | 290,732                       | 396,907                             | +104,187                              | +35.6%       |
| Program direction.....                               | 290,050                       | 288,080                       | 300,000                             | +9,950                                | +3.4%        |
| Program support.....                                 | 14,979                        | 14,878                        | 12,979                              | -2,000                                | -13.4%       |
| Safeguards and Security.....                         | 262,189                       | 260,409                       | 324,434                             | +62,245                               | +23.7%       |
| Technology development.....                          | 25,025                        | 24,855                        | 25,000                              | -25                                   | -0.1%        |
| HQEF-0040 - Excess Facilities.....                   | ----                          | ----                          | 150,000                             | +150,000                              | N/A          |
| CB-0101 Economic assistance to the state of NM.....  | 26,800                        | 26,618                        | ----                                | -26,800                               | -100.0%      |
| Subtotal, Defense environmental cleanup.....         | 5,405,000                     | 5,368,298                     | 5,630,217                           | +225,217                              | +4.2%        |
| Rescission:  |                               |                               |                                     |                                       |              |
| Rescission of prior year balances (Gen. Prov.).....  | -783                          | ----                          | ----                                | +783                                  | +100.0%      |
| <b>Total, Defense Environmental Cleanup.....</b>     | <b>5,404,217</b>              | <b>5,368,298</b>              | <b>5,630,217</b>                    | <b>+226,000</b>                       | <b>+4.2%</b> |
| <b>Other Defense Activities</b>                      |                               |                               |                                     |                                       |              |
| Environment, health, safety and security             |                               |                               |                                     |                                       |              |
| Environment, health, safety and security.....        | 126,972                       | 126,110                       | 135,194                             | +8,222                                | +6.5%        |
| Program direction.....                               | 64,000                        | 63,565                        | 70,653                              | +6,653                                | +10.4%       |
| Total, Environment, Health, safety and security..... | 190,972                       | 189,675                       | 205,847                             | +14,875                               | +7.8%        |
| Independent enterprise assessments                   |                               |                               |                                     |                                       |              |
| Independent enterprise assessments.....              | 24,580                        | 24,413                        | 24,068                              | -512                                  | -2.1%        |
| Program direction.....                               | 51,000                        | 50,654                        | 52,702                              | +1,702                                | +3.3%        |
| Total, Independent enterprise assessments.....       | 75,580                        | 75,067                        | 76,770                              | +1,190                                | +1.6%        |
| Specialized security activities.....                 | 237,912                       | 236,296                       | 254,378                             | +16,466                               | +6.9%        |
| Office of Legacy Management                          |                               |                               |                                     |                                       |              |
| Legacy management.....                               | 140,306                       | 139,353                       | 140,575                             | +269                                  | +0.2%        |
| Program direction.....                               | 14,014                        | 13,919                        | 18,302                              | +4,288                                | +30.6%       |
| Total, Office of Legacy Management.....              | 154,320                       | 153,272                       | 158,877                             | +4,557                                | +3.0%        |
| Defense related administrative support               |                               |                               |                                     |                                       |              |
| Chief financial officer.....                         | 45,224                        | 44,917                        | 48,484                              | +3,260                                | +7.2%        |
| Chief information officer.....                       | 74,492                        | 73,986                        | 96,793                              | +22,301                               | +29.9%       |
| Project management oversight and Assessments.....    | ----                          | ----                          | 8,412                               | +8,412                                | N/A          |
| Total, Defense related administrative support.....   | 119,716                       | 118,903                       | 153,689                             | +33,973                               | +28.4%       |
| Office of hearings and appeals.....                  | 5,500                         | 5,463                         | 5,739                               | +239                                  | +4.3%        |
| Subtotal, Other defense activities.....              | 784,000                       | 778,676                       | 855,300                             | +71,300                               | +9.1%        |
| Use of prior year balances (OHA).....                | ----                          | ----                          | -2,000                              | -2,000                                | N/A          |
| Rescission:  |                               |                               |                                     |                                       |              |
| Rescission of prior year balances (LM).....          | -1,066                        | ----                          | ----                                | +1,066                                | +100.0%      |
| Rescission of prior year balances (EHS&S).....       | -1,146                        | ----                          | ----                                | +1,146                                | +100.0%      |
| Rescission of prior year balances (OHA).....         | -80                           | ----                          | ----                                | +80                                   | +100.0%      |
| Rescission of prior year balances (SSA).....         | -4                            | ----                          | ----                                | +4                                    | +100.0%      |
| Rescission of prior year balances (EA).....          | -1                            | ----                          | ----                                | +1                                    | +100.0%      |
| Total, Rescission.....                               | -2,297                        | ----                          | ----                                | +2,297                                | +100.0%      |
| <b>Total, Other Defense Activities.....</b>          | <b>781,703</b>                | <b>778,676</b>                | <b>853,300</b>                      | <b>+71,597</b>                        | <b>+9.2%</b> |
| <b>Defense Nuclear Waste Disposal</b>                |                               |                               |                                     |                                       |              |
| Yucca mountain and interim storage.....              | ----                          | ----                          | 30,000                              | +30,000                               | N/A          |
| <b>Total, Defense Nuclear Waste.....</b>             | <b>----</b>                   | <b>----</b>                   | <b>30,000</b>                       | <b>+30,000</b>                        | <b>N/A</b>   |

U.S. DEPARTMENT OF ENERGY  
 FY 2019 Summary Control Table by Appropriation  
 (dollars in thousands - OMB Scoring)

|  | FY 2017<br>Enacted<br>Approp. | FY 2018<br>Annualized<br>CR * | FY 2019<br>Congressional<br>Request | FY 2019 Request vs<br>FY 2017 Enacted |                |
|--|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|----------------|
|  |                               |                               |                                     | \$                                    | %              |
| <b>Power Marketing Administrations</b>   |                               |                               |                                     |                                       |                |
| Southeastern Power Administration  |                               |                               |                                     |                                       |                |
| Southeastern power administration.....   | 84,929                        | 84,352                        | 79,684                              | -5,245                                | -6.2%          |
| Less alternative financing (for PPW)/<br>Offsetting collection.....              | -84,929                       | -84,352                       | -79,684                             | +5,245                                | +6.2%          |
| <b>Total, Southeastern Power Administration.....</b>                             | <b>----</b>                   | <b>----</b>                   | <b>----</b>                         | <b>----</b>                           | <b>N/A</b>     |
| Southwestern Power Administration  |                               |                               |                                     |                                       |                |
| Southwestern power administration.....   | 140,898                       | 83,984                        | 159,876                             | +18,978                               | +13.5%         |
| Less alternative financing/<br>Offsetting collection.....                        | -129,841                      | -73,002                       | -149,476                            | -19,635                               | -15.1%         |
| <b>Total, Southwestern Power Administration.....</b>                             | <b>11,057</b>                 | <b>10,982</b>                 | <b>10,400</b>                       | <b>-657</b>                           | <b>-5.9%</b>   |
| Western Area Power Administration  |                               |                               |                                     |                                       |                |
| Western Area Power Administration (CROM)   |                               |                               |                                     |                                       |                |
| Western area power administration (CROM).....                                    | 947,270                       | ----                          | 915,533                             | -31,737                               | -3.4%          |
| Less alternative financing/<br>Offsetting collection (P.L. 108-477/109-103)..... | -851,689                      | -363,566                      | -826,161                            | +25,528                               | +3.0%          |
| Undistributed, WAPA.....   | ----                          | 458,498                       | ----                                | ----                                  | N/A            |
| Rescission of prior year balances (Gen. Prov.).....                              | -839                          | -833                          | ----                                | +839                                  | +100.0%        |
| <b>Total, Western Area Power Administration (CROM).....</b>                      | <b>94,742</b>                 | <b>94,099</b>                 | <b>89,372</b>                       | <b>-5,370</b>                         | <b>-5.7%</b>   |
| Falcon and Amistad Operating and Maintenance Fund                                |                               |                               |                                     |                                       |                |
| Operation and maintenance.....   | 4,393                         | ----                          | 5,329                               | +936                                  | +21.3%         |
| Offsetting collections.....  | -3,838                        | -3,812                        | -4,979                              | -1,141                                | -29.7%         |
| Less alternative financing.....  | -323                          | ----                          | -122                                | +201                                  | +62.2%         |
| Undistributed.....   | ----                          | 4,042                         | ----                                | ----                                  | N/A            |
| <b>Total, Falcon and Amistad Fund.....</b>                                       | <b>232</b>                    | <b>230</b>                    | <b>228</b>                          | <b>-4</b>                             | <b>-1.7%</b>   |
| Colorado River Basins Power Marketing Fund                                       |                               |                               |                                     |                                       |                |
| Spending authority from offsetting collections.....                              | 213,530                       | ----                          | 220,337                             | +6,807                                | +3.2%          |
| Offsetting collections.....  | -236,530                      | ----                          | -243,337                            | -6,807                                | -2.9%          |
| Undistributed.....   | ----                          | -22,844                       | ----                                | ----                                  | N/A            |
| <b>Total, Colorado River Basins Power Marketing Fund.....</b>                    | <b>-23,000</b>                | <b>-22,844</b>                | <b>-23,000</b>                      | <b>----</b>                           | <b>N/A</b>     |
| <b>Total, Western Area Power Administration.....</b>                             | <b>71,974</b>                 | <b>71,485</b>                 | <b>66,600</b>                       | <b>-5,374</b>                         | <b>-7.5%</b>   |
| <b>Total, Power Marketing Administrations.....</b>                               | <b>83,031</b>                 | <b>82,467</b>                 | <b>77,000</b>                       | <b>-6,031</b>                         | <b>-7.3%</b>   |
| <b>Federal Energy Regulatory Commission</b>                                      |                               |                               |                                     |                                       |                |
| Federal energy regulatory commission.....  | 346,800                       | 344,445                       | 369,900                             | +23,100                               | +6.7%          |
| FERC revenues.....   | -346,800                      | -344,445                      | -369,900                            | -23,100                               | -6.7%          |
| <b>Total, Federal Energy Regulatory Commission.....</b>                          | <b>----</b>                   | <b>----</b>                   | <b>----</b>                         | <b>----</b>                           | <b>N/A</b>     |
| <b>Uranium Enrichment D&amp;D Fund Discretionary Payments</b>                    |                               |                               |                                     |                                       |                |
| Transfer payment from Defense ER&WM.....   | -563,000                      | -559,177                      | ----                                | +563,000                              | +100.0%        |
| <b>Total, Uranium Enrichment D&amp;D Fund.....</b>                               | <b>-563,000</b>               | <b>-559,177</b>               | <b>----</b>                         | <b>+563,000</b>                       | <b>+100.0%</b> |
| <b>Defense EM Funded</b>   |                               |                               |                                     |                                       |                |
| <b>Uranium Enrichment D&amp;D Fund</b>   |                               |                               |                                     |                                       |                |
| Uranium Enrichment D&D Fund Contribution.....                                    | <b>563,000</b>                | <b>559,177</b>                | <b>----</b>                         | <b>-563,000</b>                       | <b>-100.0%</b> |
| <b>Fees and Recoveries, Federal Energy Regulatory Commission</b>                 |                               |                               |                                     |                                       |                |
| <b>Fees &amp; Recoveries In Excess of Annual Appropriations.....</b>             | <b>-16,645</b>                | <b>-9,000</b>                 | <b>-16,000</b>                      | <b>+645</b>                           | <b>+3.9%</b>   |
| <b>Title XVII Loan Guar. Prog Section 1703</b>                                   |                               |                               |                                     |                                       |                |
| Negative Credit Subsidy Receipt.....   | -37,000                       | -37,000                       | -44,000                             | -7,000                                | -18.9%         |
| Sale of Northeast Gas Reserve.....   | ----                          | ----                          | -77,000                             | -77,000                               | N/A            |
| Defense Programs Rescission of Balances (Undistributed).....                     | -43                           | -43                           | ----                                | +43                                   | +100.0%        |
| Tribal Energy Loan Guarantee Program Rescission.....                             | -9,000                        | -8,939                        | ----                                | +9,000                                | +100.0%        |