

## TITLE VI

### INVESTING IN AMERICAN SECURITY, GROWTH, AND OPPORTUNITY

SEC. 601. *Corps of Engineers—Civil, Investigations.*—An additional \$13,000,000 is provided for the Corps Investigations account. The additional funding restores Investigations to fiscal year 2015 funding levels and maintains a balance in work across the Corps accounts. Within the funds provided, \$12,000,000 is to efficiently fund ongoing feasibility and preconstruction, engineering and design studies to completion. An additional \$1,000,000 is available for the Tribal Partnership Program.

SEC. 602. *Corps of Engineers—Civil, Construction.*—An additional \$82,000,000 is provided for Corps Construction. Within the funds provided, \$80,000,000 is to further reduce the Corps of Engineers' backlog of construction. An additional \$2,000,000 is available for the Ocean and Coastal Resilience authority as authorized by Section 4014 of the Water Resources Reform and Development Act of 2014.

SEC. 603. *Corps of Engineers—Civil, Operation and Maintenance.*—An additional \$100,000,000 is provided for Corps Operation and Maintenance. Within the funds provided, \$100,000,000 is to further reduce the Corps of Engineers' backlog of operation and maintenance needs.

SEC. 604. *Bureau of Reclamation, Water and Related Resources.*—An additional \$100,000,000 is provided for the Bureau of Reclamation. Within the funds provided, \$50,000,000 is provided for the Drought Emergency Assistance Program. Further, \$28,000,000 is provided for the WaterSMART Program. The Bureau of Reclamation is urged to prioritize these funds for programs and projects that will provide direct assistance for regions most stricken by drought. An additional \$22,000,000 is available for Indian Water Rights Settlements.

SEC. 605. *Energy Efficiency and Renewable Energy.*—An additional \$150,000,000 is provided for broaden America's energy portfolio and reduce energy costs for consumers and businesses. Within the funds provided, \$28,000,000 is recommended to fund a sixth manufacturing innovation institute to address a specific energy efficiency topic of concern to American manufacturers. The amendment provides \$60,000,000 for wind power projects that demonstrate advanced turbine and gearbox technologies, mitigate wildlife impacts of existing wind installations, and demonstrate the viability of distributed wind generation. This amount would bring the funding for the Wind Power program back to current year funding levels. In addition, \$32,000,000 is recommended to accelerate the development of building technologies and controls that have the potential to significantly reduce energy bills for business and consumers. Within the Solar Power program, \$30,000,000 is recommended to further reduce the cost of permitting and installation of solar panels for residential and commercial consumers, and make advances in the efficiency of the full array of solar technologies.

SEC. 606. *Electricity Delivery and Energy Reliability*.—An additional \$55,000,000 is provided to modernize and reduce the vulnerabilities of our energy infrastructure. The Department's recent Quadrennial Energy Review highlights significant threats and vulnerabilities within the United States' electric grid. These include increasing frequency and severity of natural disasters and other weather events, cyber threats, and physical threats. To address these and other matters, \$6,000,000 is provided to fund Clean Energy Transmission and Reliability, which supports transmission reliability, advanced modeling grid research and energy systems risk and predictive capability activities. Additionally, \$14,899,000 is provided to fund Smart Grid Research & Development, which will expand development of the advanced distribution management system and market-based controls. To address Cybersecurity for Energy Storage Systems, which establishes a virtual platform for digital forensics analysis, \$6,001,000 is provided. To improve acceptance and speed deployment of storage technologies such as batteries, \$8,000,000 is provided to fund Energy Storage. An additional \$5,000,000 is provided to fund Transformer Resilience and Advanced Components, which will fully fund transformer testing, analysis, and solutions and \$1,500,000 is provided to fund National Electricity Delivery, which will strengthen modeling and analytical tools to assist states in developing long-term energy system reliability plans. To fund Infrastructure Security and Energy Restoration, which will support a series of regional energy assurance training workshops, develop and implement sensor technologies to address geomagnetic disturbances, and contribute to the DOE Response Operations Center \$8,000,000 is provided. Program is provided an additional \$5,600,000.

SEC. 607. *Strategic Petroleum Reserve*.—An additional \$57,000,000 is provided for the Strategic Petroleum Reserve to meet the request level. These funds are needed to meet the infrastructure and maintenance needs of the Reserve. The funds are provided for Facilities Development and Operations, which supports the cavern integrity program, equipment and information technology replacements and upgrades, and major maintenance projects.

SEC. 608. *Uranium Enrichment Decontamination and Decommissioning Fund*.—An additional \$48,000,000 is provided for Uranium Enrichment Decontamination and Decommissioning activities at the Portsmouth site. Funding is provided to continue facility decommissioning while design and construction of the onsite disposal cell occurs. The funding is necessary to avoid 500 lay-offs expected if the Administration's request level were enacted and to avoid further delays in the cleanup schedule.

SEC. 609. *Office of Science*.—An additional \$195,000,000 is provided to bring the account to the budget request level. Within this amount, \$30,000,000 is for Advanced Scientific Computing Research to advance leadership computing and the exascale initiative. Basic Energy Sciences is provided \$20,000,000 for Energy Frontier Research Centers and operations of facilities. Biological and Environmental Research is provided \$20,000,000 with the funding being equally shared between biological systems sciences and climate and environmental sciences. Fusion Energy Sciences is provided an ad-

ditional \$48,000,000 for the domestic research program. None of the additional Fusion funding may be used for ITER. High Energy Physics is provided \$21,000,000 to further advance the P5 report recommendations and advance the Long Baseline Neutrino Experiment construction project. The Nuclear Physics program is provided \$50,000,000 with \$10,000,000 of this going to the Facility for Rare Isotope Beams construction project and \$9,000,000 for the 12 GeV Continuous Electron Beam Accelerator Facility to achieve a standalone run of approximately 25 weeks. Additionally, \$3,000,000 is provided for Safeguards and Security and \$3,000,000 is provided for Program Direction.

SEC. 610. *ARPA-E*.—An additional \$34,000,000 is provided for Advanced Research Projects Agency—Energy activities to reach the request level and support an additional funding announcement for an additional area of groundbreaking research.

SEC. 611. *Defense Nuclear Nonproliferation*.—An additional \$78,000,000 is provided for Defense Nuclear Nonproliferation. Within this amount, \$18,000,000 is for nuclear smuggling detection activities to install mobile and fixed detectors in partner countries to intercept illicit nuclear materials shipments. Further, \$17,000,000 is to accelerate domestic and international protection of radiological sources in medical and industrial facilities and to conduct research and development activities on lower risk substitute materials. Also, \$16,000,000 is provided to accelerate the removal of high-risk nuclear materials in partner countries in Europe and Africa. The Committee recommends \$22,000,000 for additional research and development. The amendment provides \$5,000,000 for increased nonproliferation and arms control activities in monitoring international supply chains for activities in contravention of international agreements.

SEC. 612. *Naval Reactors*.—An additional \$60,000,000 is provided for Naval Reactors. Within the amount provided, \$21,000,000 is provided to fund the requested amount for the Materials Characterization Laboratory Project. Further, within the available funds \$25,000,000 is provided for the Spent Fuel Handling Project. Also, \$14,000,000 is provided for naval reactors development activities to reach the request level.

SEC. 613. *Defense Environmental Cleanup*.—An additional \$60,000,000 is provided for Defense Environmental Cleanup activities. Within the amount provided, \$36,000,000 shall be for operations at the H-Canyon facility at Savannah River Site. Further, \$24,000,000 is for facility decommissioning and waste packaging treatment and packaging activities at Los Alamos National Laboratory.

SEC. 614. Bill language is included limiting the availability of funds in this title until enactment of the Bipartisan Budget Act of 2015, an act increasing the post-sequester discretionary caps contained in the Budget Control Act of 2011.