



U.S. DEPARTMENT OF **ENERGY**

Press Release

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PRESIDENT TRUMP RELEASES FY 2020 BUDGET REQUEST

WASHINGTON, D.C. – Today, **President Donald J. Trump** unveiled his FY 2020 Budget Request, including **\$31.7 billion dollars** to fund the **Department of Energy (DOE)**. DOE’s FY 2020 Budget Request supports America’s continued rise as an energy independent nation, and advances U.S. national security and economic growth by making investments in transformative science and technology innovation to promote affordable and reliable energy. It also includes funding to meet our national security and environmental cleanup challenges.

“President Trump’s budget supports the Department’s vast mission in a fiscally responsible way, and makes clear that success will be measured not by the dollars spent but by the results achieved on behalf of the American people. It calls for strategic investments in our energy security and national security, supporting America’s continued rise as an energy independent nation. Under President Trump’s leadership we have empowered American energy, with the U.S. becoming the world’s largest producer of oil and natural gas, and now exporting LNG to 34 countries across five continents. The budget request also focuses on moving America forward by investing in transformational science, innovation, and technology. The Department of Energy’s National Labs are the crown jewels of America’s innovation and this funding will continue to support their work from Artificial Intelligence to renewables, clean coal, and Advanced Nuclear technology. The budget proposal also funds the modernization of our nuclear stockpile, the aging infrastructure that supports it, and ensures a safe and effective system for our nuclear Navy for years to come.”

Budget Highlights:

- Promotes America’s “all of the above” energy policy and fulfills the President’s long-term goal of American energy dominance.
- Accelerates efforts to develop exascale computing systems.
- Spurs scientific discovery, innovation, and commercialization.
- Fulfills the obligation to clean up the environmental legacy of the Cold War.
- Ensures the safety and effectiveness of the U.S. nuclear arsenal; and will modernize the nuclear security enterprise.
- Protects American energy infrastructure from cyberattacks and other threats.

For more information on the FY 2020 Budget Request please visit <https://www.energy.gov/cj>.

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DEPARTMENT OF ENERGY
FY 2020 BUDGET REQUEST
FACT SHEET
March 11, 2019

The President’s Budget Request for FY 2020 totals \$31.7 billion for the Department of Energy (DOE), a \$1.1 billion increase from the FY 2019 request. This year’s request secures America’s path to energy independence and continued historic economic growth by investing in and empowering reliable, affordable energy, advancing transformative scientific innovation, and enhancing U.S. national security.

The FY 2020 Budget Request provides:

- \$2.3 billion to secure energy independence and fund innovations for more affordable, reliable, and efficient energy sources.
- \$5.5 billion in science funding for cutting-edge research and development as well as state-of-the-art facilities at DOE’s National Laboratories.
- \$23.7 billion to modernize the aging U.S. nuclear deterrent and stockpile, continue progress at major nuclear cleanup sites, and strengthen grid cybersecurity.

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DOE Programs	FY20 (\$M)
• Energy Independence	2,251
• Scientific Innovation	5,546
• National Security	23,668
• Supporting Activities and Offsets	238
DOE Total	31,703

To accelerate progress on national priorities and advance the DOE mission, the FY 2020 Budget Request invests:

- \$1.7 billion in early-stage technology research and development for affordable, reliable, and efficient renewable energy, nuclear energy, and fossil energy. This includes a \$127 million increase in funding for new nuclear and fossil energy investments.
- \$119 million for Artificial Intelligence (AI) to improve the robustness, reliability, and transparency of Big Data and AI technologies, as well as quantification and development of software tools for DOE mission applications.
- \$809 million for the Exascale Computing Initiative, including \$500M for the Office of Science (SC) and \$309M for the National Nuclear Security Administration (NNSA), which will enable the deployment of an Exascale computer system in calendar year 2021.

- \$168 million for Quantum Funding, to understand how quantum systems behave and to address scientific challenges beyond the capabilities of classical computers.
- \$6.8 billion for Environmental Management and Legacy Management to clean up and monitor past cleanup of sites that supported development of the U.S. nuclear deterrent.
- \$157 million in grid cyber funding under the recently-established Office of Cybersecurity, Energy Security, and Emergency Response (CESER). This request is an increase of \$61 million from the FY 2019 Budget Request.
- \$16.5 billion for the National Nuclear Security Administration (NNSA), an increase of \$1.4 billion from the FY 2019 Budget Request, including:
 - \$8.0 billion to sustain and modernize the U.S. nuclear stockpile;
 - \$3.2 billion to modernize aging infrastructure;
 - \$1.2 billion for physical security, information technology, cybersecurity, and other support for the NNSA nuclear security enterprise;
 - \$1.6 billion for nuclear nonproliferation;
 - \$0.4 billion for enhanced nuclear counterterrorism and emergency operations;
 - \$1.6 billion to provide safe and effective integrated nuclear propulsion systems to the U.S. Navy; and
 - \$0.4 billion for Federal salaries and expenses.

Energy

The FY 2020 Budget Request proposes \$2.3 billion in funding for energy independence and innovation, and focuses emphasizing intradepartmental collaboration, joint capabilities, integration, and development of energy sector and advancing energy storage, security, reliability, and resilience, including:

- \$343 million for the Office of Energy Efficiency and Renewable Energy, plus a proposal to use \$353 million in prior year balances for a total of \$696 million;
- \$562 million for the Office of Fossil Energy Research & Development – an increase of \$60 million from the FY 2019 Budget Request;
- \$824 million for the Office of Nuclear Energy – an increase of \$67 million from the FY 2019 Budget Request;
- \$116 million for Yucca Mountain and Interim Storage Program (YMISP); and
- \$183 million for the Office of Electricity – an increase of \$121 million from the FY 2019 Budget Request.

Science

The FY 2020 Budget Request proposes \$5.5 billion in funding for the Office of Science to support scientific research, as well as construction and operation of open-access, scientific user facilities.

- Invests \$168 million in quantum information sciences;
- \$500 million for the Exascale Computing Initiative;
- \$71 million in artificial intelligence and machine learning;
- \$25 million for next-generation microelectronics; and
- \$20 million for genomic sciences.

National Security

The FY 2020 Budget Request proposes \$23.7 billion for national security programs at the Department of Energy, including NNSA, the Office of Environmental Management (EM), and CESER.

- The NNSA budget request for FY 2020 totals \$16.5 billion, an increase of \$1.4 billion from the FY 2019 budget request, including:
 - \$8.0 billion to sustain and modernize the U.S. nuclear stockpile;
 - \$3.2 billion to modernize aging infrastructure;
 - \$1.2 billion for physical security, information technology, cybersecurity, and other support for the NNSA nuclear security enterprise;
 - \$1.6 billion for nuclear nonproliferation;
 - \$0.4 billion for enhanced nuclear counterterrorism and emergency operations;
 - \$1.6 billion in Naval Reactors to provide safe and effective integrated nuclear propulsion systems to the U.S. Navy; and
 - \$0.4 billion for Federal salaries and expenses.
- Funding requested for EM is \$6.5 billion for cleanup of 16 sites in 11 states. This request will fund Defense Environmental Cleanup, Non-Defense Environmental Cleanup and Uranium Enrichment Decontamination and Decommissioning Fund Appropriations.

- \$303 million is requested for the Office of Legacy Management (LM), including \$141 million for a reform proposal to transfer management of the Formerly Utilized Sites Remedial Action Program (FUSRAP) from the U.S. Army Corps of Engineers to LM.
- The FY 2020 Budget Request provides \$157 million for national security by funding Grid Cyber efforts and initiatives within the recently-established CESER Office.