

Energy and Water Development

Provisions Contained in the Consolidated Appropriations Act of 2018

Spurring Energy Development and Affordability

- **Weatherization Assistance Program:** \$248 million, a \$23 million increase to improve the energy efficiency of low-income families' homes.
- **State Energy Program:** \$55 million, a \$5 million increase to invest in energy efficiency, renewable energy, and emergency preparedness.
- **Office of Indian Energy:** \$18 million, a \$2 million increase for the initiative that assists tribes with energy needs and projects on their lands and formally establishes the office of Indian energy as its own entity within the Department with clear and separate budget authority.
- **Methane Hydrates:** \$20 million to further research the production of natural gas from methane hydrates, including a recommendation for the Secretary of Energy to perform a long-term methane hydrate production test in the Arctic. Alaska's Arctic contains an estimated 32,600 trillion cubic feet of natural gas locked in ice crystals – enough energy to power the entire nation for 1,000 years.
- **Office of Science:** Provides \$6.3 billion, an \$867 million increase, including \$10 million to support the Next Generation Ecosystem Experiments-Arctic research program-UAF/Oak Ridge National Lab collaboration.
- **Advanced Research Projects Agency-Energy (ARPA-E):** \$353.3 million, a \$47 million increase for this program to drive down the costs of emerging, pre-commercial technologies to make energy more affordable, reliable, clean, diverse and secure.
- **Electricity Delivery and Energy Reliability:** \$248 million, an \$18.3 million increase, to improve overall efficiency and reliability of energy delivery.

Improving Alaska's Infrastructure

- **Denali Commission:** \$30 million for the agency tasked with coordination of construction and infrastructure efforts in rural Alaska. \$15 million is “for one-time assistance for adaptation responses for the most urgent needs of rural Alaska villages facing erosion, flooding, and permafrost degradation threats.”
- **Cross-Cutting Microgrids:** Includes support for ongoing work between the National Labs, industry, and universities to support grid modernization and also to support hybrid-energy system work.

- **Army Corps:**
 - Investigations in Alaska:
 - Kotzebue Small Boat Harbor: \$370,000
 - Lowell Creek Tunnel flood diversion: \$950,000
 - Saint George Harbor Improvement: \$362,000
 - Unalaska: \$950,000
 - Operation & Maintenance in Alaska:
 - Anchorage harbor: \$7 million
 - Chena River Lakes: \$8 million
 - Chignik Harbor: \$150,000
 - Dillingham Harbor: \$300,000
 - Homer Harbor: \$600,000
 - Ninilchik Harbor: \$550,000
 - Nome Harbor: \$1.865 million