

Energy Efficiency

Affordable and reliable energy boosts the economy, expands energy options for families and businesses, bolsters global competitiveness, and strengthens national security. The Office of Energy Efficiency and Renewable Energy (EERE) is part of the U.S. Department of Energy's broad portfolio focused on affordable and reliable energy that enhances economic growth and energy security. EERE is advancing America's leadership in science and technology through early-stage research and development (R&D) in sustainable transportation, renewable power, and energy efficiency.

EERE's Energy Efficiency portfolio focuses on improving the energy affordability, productivity, and resilience of homes and buildings, and strengthening U.S. manufacturing competitiveness. The program comprises four offices: the Advanced Manufacturing Office (AMO), the Building Technologies Office (BTO), the Federal Energy Management Program (FEMP), and the Weatherization and Intergovernmental Programs Office (WIPO).

Advanced Manufacturing Office

AMO's early-stage R&D is focused on technologies, materials, and processes to help increase the energy productivity in manufacturing and help ensure the competitiveness of American-made products. AMO's priority research areas



Photo credit: Oak Ridge National Laboratory.

include high-performance computing, additive manufacturing, critical materials, and power electronics.

Building Technologies Office

Early-stage R&D within BTO focuses on innovative building energy technologies, including research to enable "smart" buildings to securely connect with the power grid. The office also supports DOE's work with industry and stakeholders to meet requirements for statutorily-mandated efficiency standards and building energy code determinations.

Federal Energy Management Program

FEMP works to ensure federal agency energy security, reliability, and resilience.

The program's overarching goal is to assist federal agencies in meeting their energy-related targets. FEMP helps federal agencies cut water and energy waste and assists with energy projects by providing compliance guidance, as well as technical assistance, energy-related contracting tools, and skills training.

Weatherization and Intergovernmental Programs Office

WIPO supports DOE's objectives to lower energy bills, while expanding cost-effective energy choices for all American communities. WIPO helps state and local governments address their energy efficiency and renewable energy challenges through targeted financial and technical assistance activities. ■



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