

FY 2023 BUDGET AT-A-GLANCE

REDUCING

The Carbon Footprint Of Buildings

Overview

The Office of Energy Efficiency and Renewable Energy (EERE) accelerates the research, development, demonstration, and deployment (RDD&D) of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide by 2050, creating good-paying jobs, and ensuring the clean energy economy benefits all Americans, especially workers and communities impacted by the energy transition and those historically underserved by the energy system and overburdened by pollution. To ensure its continued leadership in this transition, **EERE's FY 2023 budget request is for \$4 billion.**

Reduce the carbon footprint of buildings

EERE supports efforts to reduce the total emissions of the U.S. building stock by 50% by 2035 while maintaining or improving affordability, comfort, and performance. This priority will be accomplished through three routes. First, by decarbonizing the power grid, which, in turn, decarbonizes the electricity that serves buildings. Second, by electrifying a significant share of building end uses that currently use fossil fuels, such as space and water heating. Third, by significantly improving the energy efficiency of buildings and equipment, including heating and lighting systems, as well as the entire building envelope.

FY 2023 BUDGET HIGHLIGHTS

EERE's FY 2023 budget request for enterprise-wide activities and programs that support the goal of reducing the carbon footprint of buildings totals \$522 Million. Highlights include:

**Efficiency Standards and Building Energy Codes.**

Building energy codes and appliance and equipment standards are among the Federal government's most effective means of reducing the building sector's energy and carbon footprints. This funding allows DOE to strengthen energy-conservation standards for lighting, appliances, and other building equipment to save energy and lower utility bills. It also helps provide state and local governments with the technical assistance they need to adopt the latest building energy codes and prepare their workforces to implement them.

**Heat Pump Initiative for Better Energy, Emissions, and Equity (E3).**

Funding will accelerate the adoption of heat-pump technologies and provide high-performance alternatives to fossil-fueled building equipment. Over the coming decade, the E3 Initiative and its partners nationwide will strive to transform the heating and cooling marketplace, making affordable, clean, and efficient solutions widely available to American consumers.

**Building Technology Deployment.**

Funding will expand the strategic demonstration and national deployment of affordable, decarbonized, high-performing, and grid-interactive technologies in residential and commercial buildings by leveraging partnerships with industry leaders and specialists, communities impacted by the energy transition, and those historically underserved by the energy system and overburdened by pollution.



	FY 2021 Enacted	FY 2022 Annualized CR ¹	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted	
				\$	%
Sustainable Transportation					
Vehicle Technologies	400,000	400,000	602,731	+202,731	+50.7%
Bioenergy Technologies	255,000	255,000	340,000	+85,000	+33.3%
Hydrogen and Fuel Cell Technologies	150,000	150,000	186,000	+36,000	+24.0%
Renewable Power					
Renewable Energy Integration	0	0	57,730	+57,730	NA
Solar Energy Technologies	280,000	280,000	534,575	+254,575	+90.9%
Wind Energy Technologies	110,000	110,000	345,390	+235,390	+214.0%
Water Power Technologies	150,000	150,000	190,500	+40,500	+27.0%
Geothermal Technologies	106,000	106,000	202,000	+96,000	+90.6%
Energy Efficiency					
Advanced Manufacturing	396,000	396,000	582,500	+186,500	+47.1%
Federal Energy Management Program	40,000	40,000	0	-40,000	-100.0%
Building Technologies	290,000	290,000	392,000	+102,000	+35.2%
Weatherization and Intergovernmental Programs					
Weatherization Assistance Program	310,000	310,000	0	-310,000	-100.0%
Training and Technical Assistance	5,000	5,000	0	-5,000	-100.0%
State Energy Program	62,500	62,500	0	-62,500	-100.0%
Total, Weatherization and Intergovernmental Programs	377,500	377,500	0	-377,500	-100.0%
Corporate Support Programs					
Facilities and Infrastructure (NREL)	130,000	130,000	210,100	+80,100	+61.6%
21-EE-001-Energy Materials and Processing at Scale (EMAPS)	0	0	60,000	+60,000	NA
23-EE-TBD, STM Carbon Free District Heating/Cooling	0	0	31,500	+31,500	NA
Total, Facilities and Infrastructure	130,000	130,000	301,600	+171,600	+132.0%
Program Direction	165,000	165,000	224,474	+59,474	+36.0%
Strategic Programs	14,500	14,500	59,385	+44,885	+309.6%
Subtotal, EERE	2,864,000	2,864,000	4,018,885	+1,154,885	+40.3%
<i>P.L. 116-260: Unobligated Balance Rescission</i>	-2,240	-2,240	0	0	-100%
Total, EERE	2,861,760	2,861,760	4,018,885	+1,157,125	+40.4%

¹ The FY 2022 Annualized CR amounts reflect the P.L. 117-95 continuing resolution level annualized to a full year.