

Office of **ENERGY EFFICIENCY &** RENEWABLE ENERGY

FY 2022 BUDGET AT-A-GLANCE

Decarbonizing the **Electricity Sector**







Guiding Principles

ENVIRONMENTAL JUSTICE



We will build the clean energy economy in a way that benefits ALL Americans.

DIVERSITY IN STEM



To ensure the success of clean energy industries, we will actively

foster diverse STEM talent.

FOCUS ON WORKFORCE



We will strengthen the pipeline for permanent, goodpaying jobs in the

clean energy workforce.

STATE AND LOCAL



We will partner with state and local governments to transition to a clean

energy economy.

OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY

For more information, visit: energy.gov/eere

EERE Overview

The Office of Energy Efficiency and Renewable Energy (EERE) accelerates the research, development, demonstration, and deployment of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide by no later than 2050. To lead in this transition, EERE's FY 2022 budget request is \$4.7 billion. The request calls for activities and programs to help decarbonize the electricity, transportation, industrial, buildings, and agriculture sectors, while training the next generation of clean energy workers; supporting state and local economies; creating new, high-quality, good paying jobs in the field; and deploying new, efficient, and clean technologies that are affordable for all Americans.

Transition to a Carbon-Free Electricity Sector No Later Than 2035

EERE will invest in reducing the cost of renewables and make major strides in renewables integration to ensure reliability, security, and resiliency as the grid evolves. EERE will support technologies that will allow the United States to generate all electricity from clean, renewable sources.

FY 2022 Budget Highlights

EERE's FY 2022 budget request for enterprise-wide activities and programs that support the goal of decarbonizing the electricity sector totals \$1.9 billion. Highlights include the following:

- Low-Income Solar Access to Community Solar (\$20M) Develops an online platform available to states, utilities, and other stakeholders to manage the voluntary enrollment of low-income customers in community solar and reduce their household energy burden.
- Environmental and Siting R&D (\$38M) Provides R&D for solutions to reduce environmental and siting barriers to land-based and offshore wind, including support of social science and socioeconomic research to understand impacts of wind energy and provide objective information on the benefits and costs of wind development.
- Demonstration and In-Water Deployment of Marine Energy Systems (\$45M) Expands on the Powering the Blue Economy (PBE) initiative to demonstrate PBE applications like desalination systems for remote communities and disaster relief and recovery, marine energy-powered ocean observing systems, and design and systems.
- Drilling Technology Demonstration Campaign (\$20M) Uses geothermal field demonstrations to prove utility and efficacy for industry, attracting future private investment to further the nation's goal of a 100% clean energy economy.

FY 2022 EERE BUDGET REQUEST BREAKDOWN (\$ IN THOUSANDS)

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	FY 2020 Enacted (\$K)	FY 2021 Enacted (\$K)	FY 2022 Request (\$K)
Sustainable Transportation	805,500	805,000	1,132,500
Vehicle Technologies	396,000	400,000	595,000
Bioenergy Technologies	259,500	255,000	340,000
Hydrogen and Fuel Cell Technologies	150,000	150,000	197,500
Renewable Power	642,000	646,000	951,765
Solar Energy Technologies	280,000	280,000	386,575
Wind Energy Technologies	104,000	110,000	204,870
Water Power Technologies	148,000	150,000	196,560
Geothermal Technologies	110,000	106,000	163,760
Energy Efficiency	1,091,000	1,103,500	2,179,150
Advanced Manufacturing	395,000	396,000	550,500
Federal Energy Management Program	40,000	40,000	438,150
Building Technologies	285,000	290,000	382,000
Weatherization and Intergovernmental Programs	371,000	377,500	808,500
Corporate Support	309,500	309,500	468,585
Program Direction	165,000	165,000	250,000
Strategic Programs	14,500	14,500	43,585
Facilities and Infrastructure (NREL)	130,000	130,000	175,000
Subtotal, EERE	2,848,000	2,864,000	4,732,000
Rescission of Prior Year Balances	(58,000)	(2,240)	
Energy Program Rescission	(12,723)		
Total, EERE	\$2,777,277	\$2,861,760	\$4,732,000
Total, Decarbonizing the Electricity Sector		\$814,772*	\$1,948,360*

^{*}These figures represent the amount for all activities and programs that support this decarbonization goal and do not comprise the total EERE FY21 Enacted or FY22 budget request.

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