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Funding the Future: The Impact of Federal Clean Energy Investments

Friday, April 12, 2024

About EESI



Non-partisan Educational Resources for Policymakers

A bipartisan Congressional caucus founded EESI in 1984 to provide non-partisan information on environmental, energy, and climate policies



Direct Assistance for Equitable and Inclusive Financing Program

In addition to a full portfolio of federal policy work, EESI provides direct assistance to utilities to develop “on-bill financing” programs



Commitment to Diversity, Equity, Inclusion, and Justice

We recognize that systemic barriers impede fair environmental, energy, and climate policies and limit the full participation of Black, Indigenous, people of color, and legacy and frontline communities in decision-making



Sustainable Solutions

Our mission is to advance science-based solutions for climate change, energy, and environmental challenges in order to achieve our vision of a sustainable, resilient, and equitable world.

Polymaker Education

Briefings and Webcasts



Live, in-person and online public briefings, archived webcasts, and written summaries

Climate Change Solutions



Bi-weekly newsletter with everything policymakers and concerned citizens need to know, including a legislation and hearings tracker

Fact Sheets and Issue Briefs



Timely, objective coverage of environmental, clean energy, and climate change topics

Social Media (@EESIOnline)



Active engagement on Twitter, Facebook, LinkedIn, and YouTube





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Friday, April 12, 2024



Office of **ENERGY EFFICIENCY
& RENEWABLE ENERGY**

Jeffrey Marootian

Principal Deputy Assistant Secretary
for Office of Energy Efficiency &
Renewable Energy



Energy Efficiency and Renewable Energy

\$ in thousands	FY2023 Enacted (Comp)	FY 2024 Enacted	FY 2025 Request	Delta (\$) FY 2025 to FY 2024	Delta (%) FY 2025 to FY 2024
Office of Energy Efficiency & Renewable Energy	2,891,000	2,891,000	3,118,000	227,000	8%

This Request highlights DOE and EERE mission critical investments:

- The FY25 budget request highlights EERE's RDD&D priorities across five economic sectors with the goals of strengthening the energy workforce, reducing costs to consumers, and achieving net-zero carbon emissions by 2050
- EERE is not just an R&D or technology office – it is a nucleus of economy-wide cost-reduction and decarbonization efforts.
- We are working with new partners and communities to bridge the innovation gap, scaling up new technologies and ensuring that the clean energy transition leaves no one behind and benefits every community



**Environmental and
Energy Justice**



**Workforce
Development**



Diversity in STEM



**State and Local
Partnerships**

EERE Program Priorities

Decarbonize the electric
grid by 2035

Decarbonize
energy-intensive
industries

Decarbonize
transportation across
all modes

Reduce the carbon
footprint of buildings

Decarbonize the
agricultural sector

Energy Efficiency and Renewable Energy

This Request builds on FY 2024 investments with key changes that further RDD&D for net-zero greenhouse gas emissions goals:

- Achieves **technology cost and performance targets** to drive widespread adoption of innovative technologies for all Americans
- Prioritizes continued innovation in emerging technologies like **offshore wind and geothermal** that allow the U.S. to generate all electricity from clean, renewable sources
- Ensures an **affordable, reliable, and resilient power system** by addressing challenges in adding new renewable energy and increased demand from broad-scale electrification
- Advances **energy efficient and innovative industrial processes** to produce the materials and goods Americans use every day
- Supports manufacturing for the clean energy devices and technologies we need today, **helping to grow the domestic manufacturing economy**
- Provides Americans with more cost-effective, low-emission transportation options across **all modes**
- Expands opportunities for **rural and remote communities**, a **diverse workforce** across the value chain of the energy economy, and **STEM students** at schools across the nation

EERE Programs (\$K)	FY2023 Enacted (Comp)	FY 2024 Enacted	FY 2025 Request	FY 2025 to FY 2024	
Sustainable Transportation	905,000	895,000	951,790	56,790	6%
Vehicle Technologies	455,000	450,000	501,790	51,790	12%
Bioenergy Technologies	280,000	275,000	280,000	5,000	2%
Hydrogen and Fuel Cell Technologies	170,000	170,000	170,000	0	0%
Renewable Energy	792,000	795,000	898,191	103,191	13%
Solar Energy	318,000	318,000	318,000	0	0%
Water Power	179,000	200,000	160,000	-40,000	-20%
Wind Energy	132,000	137,000	199,000	62,000	45%
Geothermal Technologies	118,000	118,000	156,191	38,191	32%
Renewable Energy Grid Integration	45,000	22,000	65,000	43,000	195%
Buildings & Industry	782,000	784,000	847,227	63,227	8%
Advanced Materials & Manufacturing Technologies	183,500	215,000	220,000	5,000	2%
Industrial Efficiency & Decarbonization	266,500	237,000	287,227	50,227	21%
Building Technologies	332,000	332,000	340,000	8,000	2%
Corporate Support	412,000	417,000	420,792	3,792	1%
Program Direction*	186,000	186,000	194,792	8,792	5%
Strategic Programs	21,000	21,000	21,000	0	0%
Facilities and Infrastructure (NREL)	205,000	205,000	205,000	0	0%
EERE Total	2,891,000	2,891,000	3,118,000	227,000	8%