

Transitioning to a Clean Energy Economy

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President Biden's Climate Strategy

President Biden's climate strategy puts America on an irreversible path to achieve:



A carbon-free
power sector
by 2035



A net-zero
emissions
economy by no
later than 2050

EERE Programmatic Priorities

To achieve a carbon-free power sector by 2035 and a net-zero economy by no later than 2050, EERE is working to:

1. Decarbonize the Power Grid

2. Decarbonize Transportation Across All Modes

3. Decarbonize the Industrial Sector

4. Reduce the Carbon Footprint of Buildings

5. Decarbonize Agriculture with a Focus on the Water-Energy Nexus

EERE Programmatic Priorities

Priority #1: Achieve a carbon-free electricity sector by 2035

We are working to:

- Accelerate the deployment of renewable energy resources; and
- Ensure we have the generation, demand, and energy storage technologies needed to integrate renewables onto the grid.

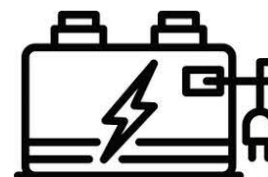
Targets:



Cut cost of solar in half by 2030



30GW OSW by 2030



Reduce the cost of long duration energy storage 90% within decade

EERE Programmatic Priorities

Priority #2: Decarbonize transportation across all modes: air, sea, rail, road

We are working to:

- Enable all new sales of light duty vehicles to be electric;
- Meet 100% of the Nation's sustainable aviation fuel needs by 2050;
- Enable commercially viable hydrogen fuel cell long-haul, heavy-duty trucks by 2030.



Battery pack cost
of \$80/kWh by
2030

Targets:



Cut cost of clean
hydrogen by 80%
within decade



500,000
charging
stations

EERE Programmatic Priorities

Priority #3: Decarbonize the industrial sector

We are working to:

- Electrify industrial processes with renewables;
- Use hydrogen to decarbonize industries like steel;
- Capture and use emissions; and
- Improve energy efficiency.

Targets:



Cut cost of clean hydrogen by 80% within decade

EERE Programmatic Priorities

Priority #4: Reduce the carbon footprint of U.S. building stock

We are working to:

- Electrify building end uses;
- Improve energy efficiency; and
- Establish building energy codes and appliance standards

Targets:



Triple EE of
buildings
within decade

EERE Programmatic Priorities

Priority #5: Enable the world's first net-zero agricultural sector with a focus on the energy-water nexus

We are working to:

- Develop biofuels;
- Increase efficiency of off-road vehicles;
- Produce clean energy from animal waste on site; and
- Design more water-efficient irrigation systems.

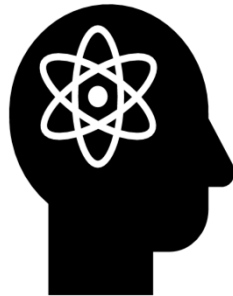


EERE Guiding Principles

Keys to Ensure the Greatest Impact



**Environmental
Justice and
Equity**



**Diversity
in STEM**



**Workforce
Development**



**State and Local
Partnerships**

Intergovernmental & External Affairs Regional Specialists



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Questions?