



U.S. DEPARTMENT OF  
**ENERGY** | Office of ENERGY EFFICIENCY  
& RENEWABLE ENERGY

# EERE State Assistance Opportunities

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## The Challenge: Business as Usual is Not Enough

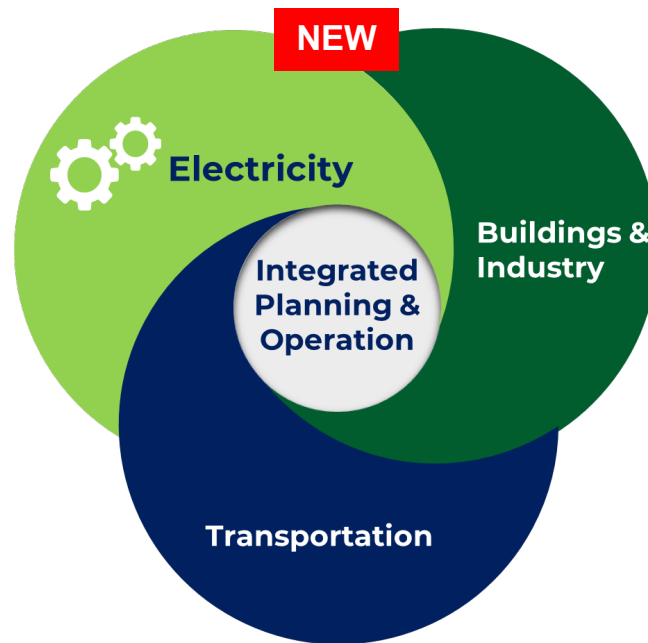
Decarbonizing the full energy system requires **major changes** in system planning and operation, regulation, and market design – and **unprecedented coordination** between previously disparate sectors

**NEW**

Variable and asynchronous generation at zero marginal cost

**NEW**

Large and unpredictable sources of demand



**NEW**

Reliance on distributed resources and individual choices

**NEW**

Constantly evolving cyber and natural threats

## Supporting States and Stakeholders – Buildings & DERs

EERE is working to enable the clean energy revolution through state, local government, and community support.



### **Bringing EV Chargers Online**

- Technical support to deploy network of EV chargers, zero-emission fueling infrastructure, and zero-emission transit and school buses



### **Connected Communities**

- Demonstrate how groups of buildings and DERs can serve as grid assets



### **Better Buildings Solution Center**

- Repository of lessons learned and best practices to support energy efficiency and decarbonization activities



### **Building Codes**

- Technical Assistance
- Resilient & Efficient Codes Implementation

## Supporting States and Stakeholders – Grid and Technical Assistance

EERE is working to enable the clean energy revolution through state, local government, and community support.



### **R-STEP/Permitting & Siting**

- Technical assistance for large-scale renewable energy siting



### **Grid Integration/Planning**

- Resources and Assistance for State Energy Offices and Regulators



### **Interconnection Innovation e-Xchange**

- Technical assistance to improve interconnection practices and processes for electricity distribution and transmission systems



### **Clean Energy to Communities**

- Connects local governments, tribes, electric utilities, and community-based organizations with national laboratory experts

## Supporting States and Stakeholders – Technical Assistance

EERE is working to enable the clean energy revolution through state, local government, and community support.



### Onsite Energy Technical Assistance Partnerships

- Help industrial and other large energy users transition to clean energy, lower costs, reduce emissions, and increase resilience.



### State Technical Assistance Program

- Responsive, on-demand technical assistance to PUCs and state energy offices
- Connection to subject matter experts at the National Labs



### Clean Energy Innovator Fellowship

- State Energy Offices are eligible to host fellows



### Waste-to-Energy Technical Assistance

- Cost-effective strategies for communities to sustainably manage and recover potential clean energy sources from their waste stream



## Other Programs Across DOE

- DOE's Office of Electricity and LBL recently released **a new decision framework for distribution system planning** to help states and utilities with load forecasting, valuing DERs, interconnection, risk assessment, cost-effectiveness and other key planning topics.
- State Industrial Working Group and NASEO report, **Manufacturing: Advancing Productivity, Prosperity, and the Environment - An Overview of Technical Assistance for State Officials.**