

CELT Energy Explorer: Tracking Massachusetts' Energy Transition Data

Research Team: Cutler Cleveland, Talia Feldscher, Tanai Dawson, Priam Vyas, Jonathan Buonocore, M. Patricia Fabian, Natalia Escobar-Pemberthy, and Emily Ryan

The Energy Explorer is a free data platform that visualizes the Commonwealth's clean energy transition.

Interactive visualizations and accompanying plain-language data stories can help people from a wide range of backgrounds interpret statewide energy trends over time.

ENERGY EXPLORER OVERVIEW

The Energy Explorer makes data accessible and usable for decision-making about clean energy transitions.

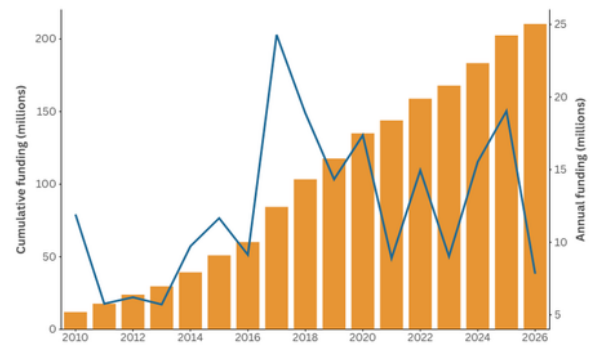
- Visualizations and data stories are available across seven areas of the Massachusetts energy system: Production & Consumption, Prices & Costs, Regional Grid, Mass Save, Low Income Home Energy Assistance Program (LIHEAP), Air Emissions, and State Initiatives.
- Interactive charts, maps, and tables let users explore trends over time, compare municipalities and sectors, and drill down from statewide patterns to local-level detail.
- Each visualization is paired with a data story that explains what the data shows, why it matters, and how it connects to broader patterns across the Commonwealth.

The Energy Explorer is a data platform developed by the Clean Energy and Environment Legacy Transition (**CELT**) Initiative, a project of Boston University's Institute for Global Sustainability in partnership with the Rist Institute for Sustainability and Energy at UMass Lowell, funded by the Healey-Driscoll Administration.

Annual and cumulative funding under the Green Communities Act, 2010-2026

Awards made through March 2026.

■ Annual funding ■ Cumulative funding



Source: Massachusetts Department of Energy Resources

Boston University Institute for Global Sustainability | visualizingenergy.org | CC BY 4.0

CELT Clean Energy & Environment Legacy Transition

STATE AND MUNICIPAL DECISION-MAKERS CAN USE THE EXPLORER TO:

- **Track statewide trends in energy use, energy prices, energy efficiency, and decarbonization over time** to target building electrification and energy efficiency programs.
- **Compare participation rates in state energy initiatives between municipalities**, including energy efficiency programs, electric vehicle rebates and incentives, and climate grants, to identify gaps in program delivery and opportunities to better reach underserved residents.
- **Look up state-funded energy and climate projects by municipality and intervention** to identify grant opportunities and learn from peer municipalities' success stories.
- **Quantify the health and economic co-benefits of energy efficiency programs** to strengthen outreach efforts and increase local participation rates.
- **Track greenhouse gas emissions by utilities, municipal electric departments, and competitive electricity suppliers** to inform energy procurement choices.

Explore the [Energy Explorer](#)
For more information email:
MACELT@bu.edu or **igs@bu.edu**