U.S. DEPARTMENT OF ENERGY

Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

Onsite Energy

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The Onsite Energy program is funded by the U.S. Department of Energy's Industrial Efficiency & Decarbonization Office.

For more information, visit:
energy.gov/eere/iedo/onsite-energy-program

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New England
CT, MA, ME, NH, RI, VT

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UNH selected as DOE Onsite Energy TAP

- DOE's Onsite Energy Technical Assistance Partnerships (TAPs) help industrial and other large energy users transition to clean energy, lower costs, reduce emissions, and contribute to a clean energy economy.
- UNH is one of 10 regional Onsite Energy TAPs. Services they provide:
  - **End-User Engagement:** Partner with organizations representing end users to advance onsite energy as a cost-effective way to transition to a clean energy economy.
  - **Technical Assistance:** Screen sites for opportunities to implement onsite energy technologies and provide advanced services to maximize economic impact and reduce risk from initial screening to installation to operation and maintenance.
  - **Stakeholder Engagement:** Engage with strategic stakeholders, including utilities and policymakers, to identify and reduce barriers to onsite energy through fact-based, unbiased education.
- Can advise on battery storage, CHP, district energy, geothermal, fuel cells, industrial heat pumps, renewable fuels, solar, solar thermal, thermal storage, waste heat to power, wind, and more.
- As part of DOE's Industrial Assessment Center Implementation Grant Program, small and medium-sized manufacturers may receive grants up to $300,000 (can apply quarterly) to implement recommendations made by the Onsite Energy TAPs.

Tax Credit Opportunities – Inflation Reduction Act

Production Tax Credit for Electricity from Renewables (45)

- Provides a tax credit starting at 3 cents/kW for production of electricity from wind, biomass, geothermal, solar, small irrigation, landfill and trash, hydropower, and marine and hydrokinetic renewable energy.

Investment Tax Credit for Energy Property (48)

- Provides a base credit of 6% of qualified investments in renewable energy projects, microgrid controllers, and combined heat and power properties. Significant adders for meeting prevailing wage, apprenticeship, and domestic content requirements.

Advanced Energy Project Credit (48C)

- Provides a credit of 6% of qualifying investment in advanced energy projects which includes:
  - (1) Re-equipping, expanding, or establishing industrial or manufacturing for the production of recycling of clean energy equipment and vehicles;
  - (2) re-equipping an industrial or manufacturing facility with equipment designed to reduce greenhouse gas emissions; or
  - (3) re-equipping, expanding, or establishing a industrial facility for processing, refining, or recycling critical minerals
- Round 2 concept papers currently being accepted, due June 21, 2024.

Several additional credits for production of clean/alternative fuels, primarily biofuels, clean hydrogen. Enhanced carbon capture tax credit (45Q).

DOE Industrial Efficiency & Decarbonization Office (IEDO)

FY24 Energy and Emissions Intensive Industries FOA

- Concept papers were due March 19, 2024, but FY25 program expected to be available in January 2025.

- $83 million for applied RD&D in the highest GHG-emitting sectors including chemicals and fuels; iron and steel; food and beverage; building materials (cement, concrete, asphalt, glass); and forest products.

Recommend tracking new opportunities as they become available through IEDO.