

# PROGRAMS & SERVICES SUMMARY

The Center for EcoTechnology helps people and businesses save energy and reduce waste.

We work with partners throughout the country to address climate change by transforming the way we live and work – for a better community, economy, and environment.

For more than 40 years, our innovative non-profit organization has offered practical solutions to save money, increase the health and comfort of our homes, and help businesses perform better. We make green make sense.

We serve residents, businesses, and communities in the areas of energy efficiency and waste reduction and through our retail store, EcoBuilding Bargains.

**The Center for EcoTechnology has set an ambitious goal for 2020 through 2022 to help 115,000 people and businesses:**

Reduce carbon emissions equal to removing 100,000 cars of the road for a year; Keep 120,000 tons of waste out of landfills; Save energy equal to powering 35,000 homes for a year; Create \$75,000,000 in lifetime savings.

**And we'll move the needle through innovative pilot efforts:**

Local carbon reduction projects; Deeper retrofits/strategic electrification; Peak load reduction; Deconstruction; And more!

## Residential Programs

- We have partnered with E4 the Future, EPA, Berkshire Medical Center, Revitalize CDC, and others to test an innovative approach that provides energy efficiency improvements in the homes of patients with severe asthma or COPD to improve indoor air quality and reduce health care utilization and costs.
- For Ipswich Electric Light Department, CET developed and administers ReSource Ipswich, a whole-property decarbonization program that comprises home assessments, recommendations, and incentives for the building envelope and HVAC systems (air source heat pumps), appliances, waste management, water conservation, yard equipment, landscaping, transportation, and solar PV—each measure with estimated carbon savings and costs.
- CET is working with Holyoke Gas & Electric to provide whole-home air source heat pump consultation services to their residential customers. HG&E is offering special weatherization and heat pump incentives for customers who fully replace gas, oil, or propane heating systems. For customers of other municipal light plants in the Massachusetts Municipal Wholesale Electric Company (MMWEC) network, CET provides heat pump consultation services, including Manual J calculations, contractor design reviews, and post-installation inspections to ensure systems are optimally designed and configured.
- We provide energy assessments and related services to approximately 2,400 households annually for gas and electric utility companies through the Mass Save program, and for municipal utilities directly and through MMWEC's HELPS Program, and Westfield Gas & Electric.
- The Center for EcoTechnology provides Home Energy Ratings for over 200 homes in Massachusetts each year.
- CET offers assistance in design and verification for Passive House, Zero Energy, and LEED for Homes projects.
- We are accredited by the Building Performance Institute (BPI), a national non-profit that sets standards for weatherization and home efficiency contracting companies, and the Residential Energy Service Network (RESNET) as a home energy rating provider.
- We work in partnership with the Green Energy Consumers Alliance to offer Green Powered to thousands of households through utility GreenUp Programs.
- CET's EcoBuilding Bargains store saves used and surplus building materials from the landfill and sells them at low cost at our nonprofit retail store in Springfield. We also refer property owners to deconstruction services as a green alternative to demolition throughout southern New England.
- CET is partnering with MMWEC, the MA DOER and others on a Connected Customer pilot program to implement Demand Response technologies and practices in MLP customers' homes.
- CET is working with Lawrence Berkeley National Laboratory (LBNL) to recruit 50 households to participate in a 12-month appliance monitoring study, assist with study through participant surveys, training, and monitoring.

## Commercial Programs

- We created and operate an award-winning food waste reduction effort in Massachusetts, have expanded our food waste efforts into Connecticut, New York, Rhode Island, Ohio, Denver, California, Oregon, Washington, and Pennsylvania, and are in the process of adding additional states. Nationally, we advise on state and local policies and programs.
- CET partners with utility companies statewide to provide customer engagement services in the Commercial, Industrial, and Small Business sectors offering sales, marketing, technical assessments and recommendations, vendor referrals or coordination, and tracking/reporting to help improve the customer experience, increase participation in energy efficiency programs, and maximize savings opportunities.
- CET is partnering with the MA DOER and Berkshire Gas, Liberty Utilities, Eversource Gas, MMWEC, and select contractors on a pilot program to overcome barriers to increasing weatherization projects in the small business sector.
- CET worked with the Massachusetts Clean Energy Center (CEC) and industry partners to increase the installation of solar hot water systems in commercial and farm facilities across Massachusetts.
- We provide technical assistance to businesses, farms, and schools for green initiatives including composting, recycling, waste reduction, energy efficiency, and renewable energy. We perform this work in partnership with state agencies, utility companies, and others, as well as on a fee-for-service basis.
- We partner with Massachusetts Department of Environmental Protection (MassDEP) to operate RecyclingWorks Massachusetts, a recycling assistance program that helps businesses and institutions maximize recycling, reuse, anaerobic digestion, and composting opportunities.
- We partner with Massachusetts Department of Agricultural Resources (MDAR) to operate the Massachusetts Farm Energy Program to provide energy efficiency and renewable energy education, technical assistance, referrals, and project facilitation to Massachusetts farms.
- We offer Materials Separation Plan planning and program delivery to waste-to-energy facilities to prevent mercury-containing products from being thrown in the trash by residents and businesses. We also work with the Thermostat Recycling Corporation (TRC) to increase access to thermostat recycling options throughout New England, New York, Pennsylvania, Iowa, Minnesota, and Illinois.
- We administer The Green Team for MassDEP, a statewide program providing resources for teachers to help the environment through recycling, composting, and energy conservation.
- CET has been contracted to provide technical reviews of the Property Assessed Clean Energy (PACE) Program project proposals. The PACE Program is a mechanism to finance energy improvements on commercial and industrial buildings, multifamily properties with five or more units, and buildings owned by nonprofits. The program is administered by MassDevelopment with support from the Department of Energy Resources.

## Community Programs

- Our EcoFellowship Program provides a one-year paid fellowship to recent college graduates to carry out community outreach and education and other activities while gaining training and experience to become tomorrow's environmental leaders.
- CET performed a deep energy retrofit, funded in part by the MA DOER, of the older commercial building that houses EcoBuilding Bargains. The facility now uses 88% less energy and serves as an educational center for area residents and professionals.
- We provide education, technical assistance, and act as a clearinghouse for information about waste prevention, recycling, composting, energy efficiency, and renewable energy by offering online resources, hands-on workshops, forums, and tours.
- CET developed and administers the Community Climate Fund as a vehicle for colleges, universities, and businesses to invest in high-impact, local carbon reduction projects. The project portfolio ranges from energy efficiency and renewable energy interventions, to food waste reduction and building materials recovery. Projects are designed to yield significant environmental and social impacts along with experiential learning opportunities for students.