

6.1 Benchmark and Track Energy Use

5 Points

10 Points

Objective

Identify your municipality's energy use and track it over time, noting both your achievements and areas for improvement.

What To Do

The more you do, the more points you earn.

Track Energy Use in Municipal and Board of Education Buildings (5 points)

1. Keep your ENERGYSTAR Portfolio Manager, or equivalent third-party energy tracking management program account, for all of the municipal and Board of Education buildings listed below, as defined by [ENERGY STAR](#). You must have at least one full year of benchmarking data and it must be current through at least June 30, 2017 (fiscal year 2017) for electricity and other fuels. Municipalities are strongly encouraged to establish automated transfer of energy data from Eversource or United Illuminating into municipal building Portfolio Manager accounts (see automated data transfer links under "Resources" below).
 - a. [K-12 Schools](#)
 - b. [Libraries](#)
 - c. [Police Stations](#)
 - d. [Fire Stations](#)
 - e. Town halls, administration buildings (use [ENERGY STAR Office category](#))
 - f. [Museums](#)
 - g. [Social/Meeting Halls](#)
 - h. [Performing Arts](#) Buildings
 - i. DPW garages (use [ENERGY STAR Other – Public Services category](#)).
 - j. Any other municipally owned building that uses > 5,000 kwh/year of electricity.
 - k. **Note** Benchmarking and tracking energy use in wastewater treatment plants is a sub-action under this action, worth additional points (see below).

Submit: For ENERGY STAR, respond to the [SCT Portfolio Manager data request](#) and follow the instructions within the data request on how to submit for points under this action. **Note:** If you are using a tracking management program other than ENERGYSTAR, it must have benchmarking capability; submit the name and description of the energy tracking management program used and proof of at

least one year of data, current to at least June 30, 2017.

Track Energy Use of Your Wastewater Treatment Plant (5 points)

1. Keep your ENERGYSTAR Portfolio Manager, or equivalent third-party energy tracking management program, account current to at least June 30, 2017 for energy use by your municipality's water or wastewater treatment plants. You must have at least one full year of energy benchmarking data.

Submit: For ENERGY STAR, submit the report generated through the [SCT Portfolio Manager data request](#) and follow the instructions within the data request on how to submit for points under this action. If you are using a tracking management program other than ENERGYSTAR, submit the name and description of the energy tracking management program used and proof of at least one year of data, current to at least June 30, 2017.

Potential Municipal and Community Collaborators

Staff from the public works, engineering, building departments and representatives from your energy commission could be helpful in implementing this action.

Funding

For a complete listing of potential funding opportunities to assist with implementing Sustainable CT Actions, please visit the [Sustainable CT Grants Portal](#), which is searchable by Action. Please also visit the [Sustainable CT Resources for Certification](#) page for opportunities for technical assistance and other supports.

Resources

Toolkits, Calculators, Guidance Documents, General Information

- ENERGYSTAR Portfolio Manager [General Information](#)
- ENERGYSTAR Portfolio Manager [Account Assistance](#)
- ENERGYSTAR Portfolio Manager [Training](#)
- [Eversource manual on automated data transfer to Portfolio Manager](#)
- [United Illuminating \(UIL\) Integration with ENERGY STAR Portfolio Manager](#)
- [ESPM Training](#)
- [SchoolDude](#)
- [EnergyCAP](#)
- Acadia Center, ["Community Energy Vision, Action Guide for Connecticut"](#)

Organizations and Relevant Programs

- US Department of Energy, ["State and Local Solution Center"](#)

Why This Matters

Energy tracking and management are fundamental to energy planning and decision-making. Tracking your municipality's energy use establishes a baseline from which to measure your future energy use and identify your achievements and areas for improvement. To meaningfully track the success of your energy efficiency and renewable energy development you must track energy use over time, in a consistent fashion.

Benchmarking is the process of comparing energy performance to something similar. An example of external benchmarking is comparing one facility to a similar one. For this Action, internal benchmarking means measuring your community's energy performance against the same period in the previous year.

Benefits

Maintaining an up-to-date account will allow you to assess energy use and trends easily, and demonstrate

your municipal accomplishments and areas of possible energy use reduction. ENERGYSTAR Portfolio Manager will allow your community to measure its energy consumption over time. Completing this action utilizing ENERGYSTAR Portfolio Manager will help you satisfy requirements in the Clean Energy Communities program.

CT Success Stories

- North Haven, CT, [“Town of North Haven Energy Management Plan”](#)

Credit for Past Action

- Action must have been completed within 6-months prior to application submission.