Sustainable Jersey

Energy Benchmarking Opportunities in the

Sustainable Jersey Programs





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Sustainable Jersey



Background on Energy Action Development

- The Energy Task Force (ETF) is responsible for developing and improving the primary energy actions that make up the Sustainable Jersey energy platform.
- These actions are adopted based on:
 - ➤ Feasibility
 - Sustainability impact
 - Degree of difficulty
 - Potential linkages between the municipal and schools programs
 - Alignment with the NJ Clean Energy Program
 - Other factors



Current <u>Municipal Program</u> Energy Actions

	Climate, Planning & Efficiency	Renewable Energy & Adv-Infra	Alternative Vehicles
Energy Impact Of Municipal <u>Operations</u>	 Energy Tracking & Management Complete Energy Audit Implement EE Measures Municipal Carbon Footprint Energy Transition Plan Hi Performance Buildings 	 On-Site Solar Energy On-Site Geothermal On-Site Wind Energy Buy Electricity from a Renewable Source 	 Fleet Actions Procurement Actions
Municipal Impact On Community <u>Energy Use</u>	 Community Carbon Footprint Climate Action Plan HPwES Program HPwES Outreach Direct Install Program Direct Install Outreach 	 Wind Ordinance Renewable GEA Program 	 Make Your Town EV Friendly Public EV Chargers



Current Schools Program Energy Actions

Energy Efficiency actions	Climate Mitigation & Renewable Energy actions	
 Energy Tracking & Management Energy Audit Implement Building Efficiency Measures Sustainable Energy Transition Plan 	 School Carbon Footprint Buy Electricity From a Renewable Source Collaborate with Municipality on Government Energy Aggregation Program Onsite Renewable Generation System - Solar Onsite Renewable Generation System - Geothermal 	

- Design accounts for the most efficient sequencing of the various actions and helps with process issues
- Recognizes the variability across municipalities and school districts
- Multi-point structure: varies by impact and degree of difficulty



A Word on Submission Standards

All of the actions in the Sustainable Jersey program have a similar template:

- Title (and brief description of the action)
- Why is it important?
- Who should lead and be involved with this action?
- Timeframe
- Project Costs and Resource Needs
- What to do, and how to do it ("How to")
- What to submit to earn points for this action
- Spotlight
- Resources

As you formulate your plan in regards to the energy actions, please be aware of the variety of resources available to assist you. Our goal is to provide you with the tools that will simplify your path to sustainability.

By providing a transparent description of what has been accomplished on our web site , others are also able to benefit from your work.



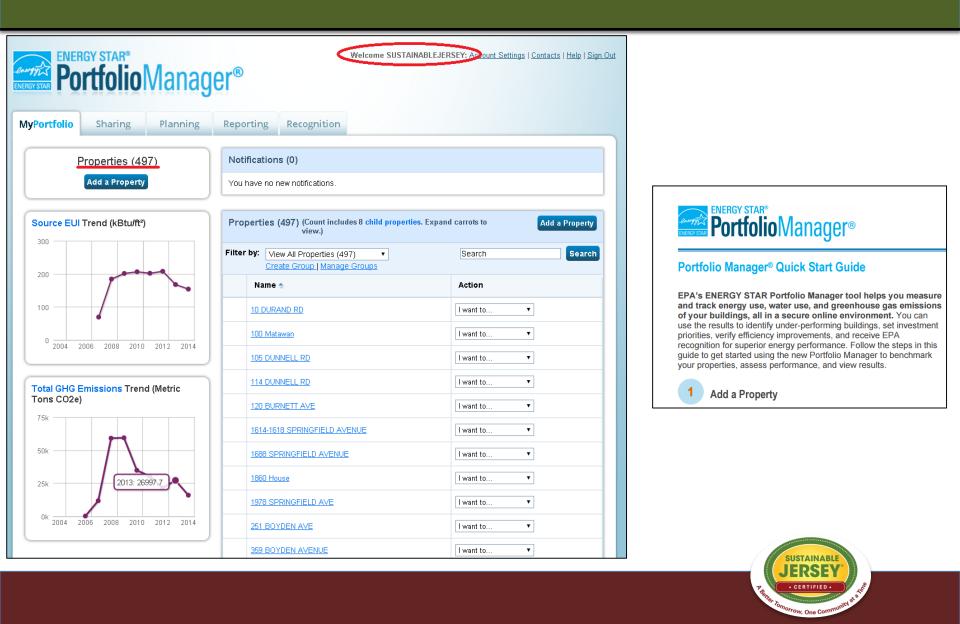
Energy Tracking and Management

- Concept: Establish historical energy use baselines, tracking and management systems, and ongoing reporting processes. Intended to serve as an important first step in an overall sustainable energy initiative.
- > **Points**: Two tier structure (can do first or both levels):
 - ✓ 10 Points: must draft a full building inventory, collect twelve months of complete utility data for each building in the inventory, and enter that information into an Energy Tracking and Management (ET&M) system to establish a historical baseline (and share data if possible).
 - ✓ Additional 10 points: must complete performance benchmarking and put an ongoing tracking and reporting system into place to monitor energy usage long-term.

We identify different options for Energy Benchmarking, including the use of the free Energy Star Portfolio tool offered by the US EPA. For the municipal program, credit is dependent upon sharing the data with Sustainable Jersey.

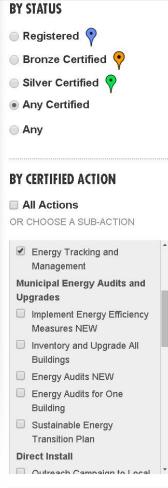


Energy Tracking and Management



Energy Tracking and Management





To date, 31 municipalities have successfully completed the ET&M action in the municipal program.

In the schools program, 54 schools have been approved for this action in the initial 2015 certification cycle.

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If you have any questions, feel free to reach out to either:

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