

DTE Energy Manager Pilot

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DTE





Agenda

- On-Site Energy Manager Pilot
- Who is an Energy Manager?
- What can an Energy Manager do?
- DTE's Strategic Energy Plan
- Next Steps
- Questions



On-Site Energy Manager Pilot

- This program would assign you a DTE Energy Manager for a period of six to 24 months to assist with:
 - Creating an energy management plan
 - Identifying, developing and managing energy projects
- The pilot is best suited for medium to large customers facilities that:
 - Are individually metered or sub-metered;
 - have a sum total square footage greater than or equal to 500K square feet; and
 - are DTE Electric or Gas customers.

Who is an Energy Manager?

Knowledge Base:

- An Energy Manager is a technical expert who can assist with the identification and implementation of energy efficiency opportunities
- Degree in engineering/engineering technology and 3-plus years of experience in energy management.
- Certified Energy Managers (or in the process) through the Association of Energy Engineers.
- Familiar with ISO50001, Energy Star Portfolio Manager, DOE Energy Star 50001 Ready, LEED, Lean Manufacturing, Continuous Improvement, Visual Factory, etc., and ability to help Customers implement Energy Management Systems based on these programs.
- Knowledge of utility Energy Waste Reduction programs.



Who is an Energy Manager?

Key Skills:

- Analytical and project management skills (scheduling, estimating and budgeting).
- Ability to initiate new ideas and approaches; challenges prevailing practices & approaches with feasible alternatives.
- Problem-solving skills; ability to identify key energy improvement-related issues and recommend solutions for various situations.
- Communication skills including the ability to conduct efficacious meetings and lead energy teams



What can an Energy Manager do?

- Develop and implement energy management programs and awareness activities.
- Lead and advise energy teams.
- Provide project management support in implementation of energy related projects including:
 - conducting energy assessments;
 - performing feasibility studies;
 - developing project business cases;
 - promoting DTE EWR programs; and
 - completing DTE EWR applications.
- Assist in driving your organization's energy reduction targets.



Strategic Energy Plans

During the first one to three months of the Energy Manager's assignment, he or she will assist your organization in creating a comprehensive energy management plan through DTE's Strategic Energy Plan Program (if a plan does not already exist).

This includes establishing an:

- **Energy Management Handbook** – Contains information that governs your program and Energy Team. This includes information and process for:
 - Establishing management support and drafting an energy policy
 - Defining scope and boundaries
 - Creating energy teams
 - Outlining energy sources and systems and tracking energy information
 - Establishing energy baselines and benchmarking
 - Energy assessment processes
 - Setting goals
 - Communications plans
 - Measurement and verification of progress



Strategic Energy Plans

Then Energy Manager will also assist you with creating an Energy Management Toolbox that will help manage and track energy data, building performance data, best practice measures and project implementation.

- **Energy Management Toolbox** – Excel-based spreadsheet that contains several tables:
 - Best practice matrices to track the implementation of operational and maintenance improvements (low to no cost) and energy conservation measures (capital investments)
 - Roadmap tables for each building to track energy use, cost and performance over time as well as energy reduction goals, and energy projects
 - Energy Performance Dashboard to evaluate the progress of your entire fleet of facilities



Next Steps

1. Your organization should consider:
 - Whether participating in the EM Pilot makes sense for your organization
 - Are you ready to start working on an energy plan?
 - Do you have capital to invest in energy projects?
 - Do you have staff to support the energy manager?
 - Hours per week to allocate
2. Review and sign participation agreement
3. DTE will assign your organization an energy manager and will coordinate start dates, work schedules, etc.

Questions?