

Energy Conservation Guidelines For Churches

- Step 1:* Perform benchmarking study by collecting energy data from parish utility bills
- Step 2:* Select a Qualified Energy Services Provider (QESP)
- Step 3:* QESP performs energy audit and makes recommendations
- Step 4:* Arrange financing with assistance of QESP
- Step 5:* Establish Energy Savings Performance Contract to implement recommendations
- Step 6:* Measure and verify saving using an energy management system

Why create an Energy Conservation Plan?

With aging church infrastructure, churches use more energy than necessary. Qualified Energy Service Providers (QESP's) can guide parishes within the archdiocese through the process steps to reduce their energy consumption. This will reduce operating costs as well as greenhouse gas emissions.

What Is Energy Savings Performance Contract (ESPC)?

An ESPC is the implementation of energy saving measures, paid for by guaranteed savings from future operating budget. In other words, this contract would allow churches to begin making physical changes in their buildings and the cost would be paid over time, through savings. Financial incentives for energy conservation and renewable energy are available from public utilities as well as the State and Federal government. QESP's are familiar with funding options and would provide guidance in this area.

How Do Parishes Perform a Benchmarking Study?

Electricity and heating fuel (oil or gas) usage and cost is available on past energy bills. Electric and gas utilities as well as oil delivery companies will provide summaries for parish accounts. Energy Resource Services (ERS) can get funding from Eversource to do a benchmarking study for parishes within the Eversource service territory. Data collection to determine current energy usage can be a time consuming process. ERS can simplify this step for parishes by working directly with utilities and oil companies.

How Do We Select a Qualified Energy Services Provider?

A list QESP's has been published by the State of Connecticut for use in their own facilities as well as for use by municipalities. Electric and gas utilities in the State have also published names of professionals trained and approved to carry out programs available through Energize CT, the State's program to encourage energy conservation for commercial, residential and non-profit users.

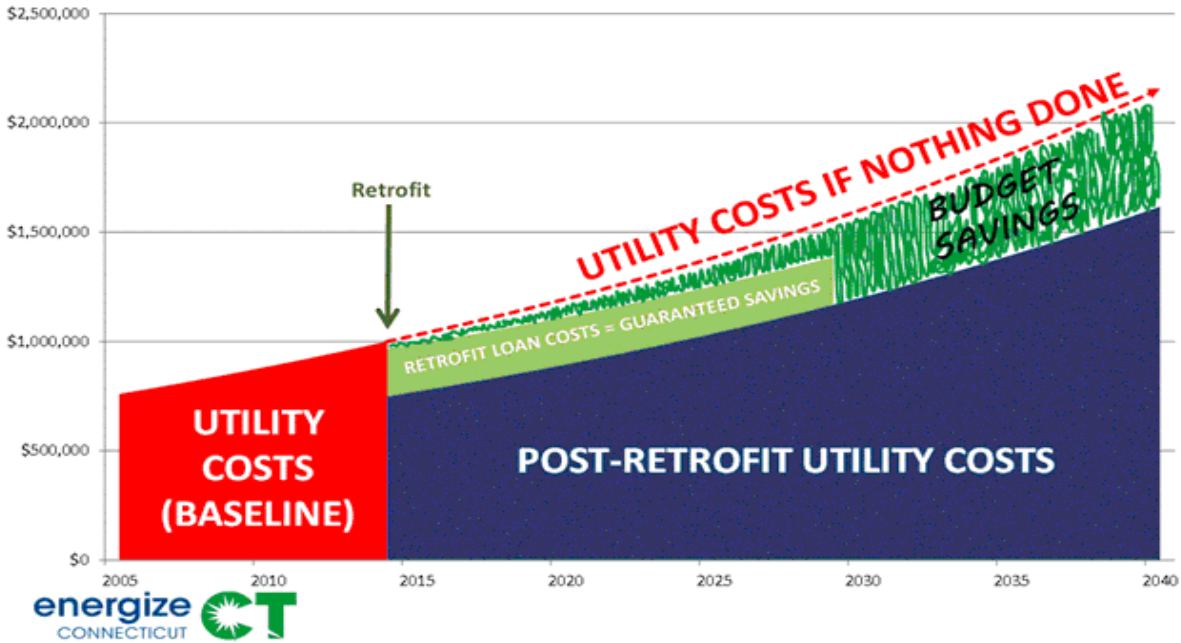
Why is Measurement & Verification Important?

It is important to measure and verify savings in order to hold QESP's responsible for the success of their recommendations. This verification will also satisfy fiduciary responsibility for expenditures and serve as an educational tool for parishioners. An energy management system can automate this task.

How Do We Get Started?

If your parish would like to participate in the benchmarking study for the Archdiocese or if you would just like more information about energy saving opportunities for your facilities please call Xxx Xxxx at 860-123-4567.

ESPC Concept



Repurpose Wasted Energy Dollars to:

- Upgrade to high efficiency energy systems
- Stabilize energy costs, improve budget accuracy
- Address deferred maintenance
- Eliminate costly emergency repairs

Aggregated Measures Balance Payback

