

## Connecticut Retrocommissioning Pilot

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### Synopsis

The Connecticut Retro-Commissioning 2005 pilot is offered within the existing Conservation & Load Management Operations & Maintenance (O&M) Program, and is funded by an energy conservation charge on United Illuminating and Connecticut Light & Power ratepayers' electricity bills. This pilot will identify electric and non-electric energy savings opportunities through Retro-Commissioning studies of large customer facilities in southwest Connecticut for five Class A commercial office building. All of the selected buildings are over 100,000 square feet and each is operating with a recently installed DDC energy management system.

The current goal of the pilot is to discover if a program offering of this type will produce measurable kWh savings results to further the activity in to 2006. Early results have identified significant kWh savings in the scoping report phase provided by three different engineering consultants on three of the five selected buildings. The Investigation studies will be underway at the time of the conference. The implementation phase will start in July '05.

This Pilot Project aims to make building owners & operators aware of operating inefficiencies in their facilities and to systematically address them to generate energy savings. The Pilot Project objectives include:

- Demonstrate the validity of retro-commissioning as a viable energy saving measure by implementing retro-commissioning at five buildings selected by the Pilot's team participants (CL&P, UI, PECEI, and SACIA).
- Develop appropriate screening, scoping, investigation, implementation, and measurement & verification (M&V) protocols to assure a high quality retro-commissioning process for Connecticut buildings.
- Improve the ability of building operations staff to identify wasteful energy use.
- Ensure savings created in the Pilot persist over the expected lifetime.
- Ensure quality control to the building owner from a well-delivered retro-commissioning process.
- Provide insight to the Pilot Team Participants to aid in developing a full-scale retro-commissioning program.

The Pilot Project will help building owners improve the efficiency of their building operations by offering incentives, quality control, and technical assistance by providing retro-commissioning services.