

CASE STUDY

State of Rhode Island Energy Office

ESPC Consultant



Projects: Energy Savings Performance Contract Quality Assurance Program for the State Administration Complex:

- Cannon Building
- Powers Building
- Chapin Laboratory Building

Scope: The State of Rhode Island's Energy Office is implementing a Greenhouse Gas Emissions Reduction Program. The Energy Office is utilizing an aggressive ESPC program throughout to reduce the State's GHG emissions. The first large ESPC is at the State Administration Complex in Providence, consisting of three buildings totaling over 1 million square feet of office space, data center, and laboratories.

In August 2005 Celtic Energy was selected to provide quality assurance of an ESPC contract between the State and Siemens. Duties include project expediting, coordination of various State agencies and facilities, due diligence review of Initial Proposals and Detailed Energy Surveys, including; savings calculations, monitoring and verification plans, O&M, training, and EH&S plans. Also review design plans, equipment submittals, etc. and assist in negotiating these issues, among others in the expected ~\$6 million Final Contract Award. Post-contract duties will include monitoring of Siemens' M&V, commissioning, and training plan execution.

Features: The proposed project will save the State over \$750,000 per year, solve many chronic HVAC problems, improve the work environment for staff, and leverage precious State funds, all at no upfront cost to the State. ECMs include Super T8 lighting upgrades, occupancy sensors, chiller/boiler replacements, controls systems, water conservation, VFDs, and premium efficiency motors.

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