



AMERICAN DEVELOPMENT
INSTITUTE

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SUMMARY

ADI Energy helped to develop a project for Rhode Island's Energy Performance Contracting Program. ADI Energy developed the project's design/build team and completed the necessary preliminary design and economic analysis for the State to award the contract to Chevron Energy Solutions.

Energy Efficiency Rhode Island

Size: 500,000 ft²

Overall value: \$12.8 million

Annual savings: \$867,000

SERVICES

- Life cycle cost analysis
- Vendor selection analysis
- Capital investment and maintenance planning
- Consumption usage analysis
- Retro-commissioning
- Facilities systems training
- Rate/tariff analysis
- Energy design build services
- Energy engineering
- Energy financial analysis
- Energy performance contracting
- Energy reduction

MEASURES

- Biomass boiler
- Absorption steam chiller
- #6 to #2 oil boiler conversion
- Lighting and lighting controls
- Energy management system
- Steam distribution upgrades

Zambarano Memorial Hospital

Burrillville, Rhode Island



UNIQUE VALUE
TO CUSTOMER

Located in the far northwest corner of RI, Zambarano Memorial Hospital was faced with challenges that plague hospitals around the country – providing a high-quality living environment for its patients with severely limited capital resources to support the invisible infrastructure. This infrastructure includes the utility systems that keep Zambarano Memorial Hospital operational.

The Hospital has no access to natural gas distribution which limits the facility's options to heat and cool the campus. ADI Energy assessed the ESCO's energy conservation and facility improvement measures, including a biomass project that would reduce Zambarano Memorial Hospital's operating costs while eliminating its dependence on electricity and oil, and reducing harmful emissions. Other measures included a web-based energy management system, and HVAC upgrades.

ADI Energy was selected by OpTerra to partner with their team on the design and installation of the new biomass based central heating plant. The outfitting with high efficiency burners, the old oil boilers were converted from #6 to #2 oil. Additionally for the first time in Zambarano's 100 year history, it would have central cooling from a central steam absorption chiller fed by the central steam plant and new 2-pipe heating and cooling system.

Implemented in a working hospital for long-term care patients, ADI Energy worked around the schedule of the hospital and created specific steps in the installation process to insure minimal impact to the staff and patients. ADI continues to provide maintenance and training support.