



Service & Product Provider Partner

Atlantic Energy Services, Inc.

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Business: Energy Service Company (ESCO)
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Customer

Chemung County Nursing Facility

103 Washington Street, Elmira, NY 12401

Business: County Owned Nursing Home
Bob Page, Administrator
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Atlantic Energy implements energy efficient measures to improve the quality of Chemung County Nursing Facility.

Project Scope

This project involved upgrading existing lighting systems to more energy and cost efficient lighting, resulting in a significant amount of electricity saved. In addition, the water fixtures were replaced with units that utilize less water per use, thereby saving water purchased by the nursing home.

Project Summary

Atlantic Energy Services, Inc. provided an energy audit with a cost/benefit analysis of the potential projects. Through the utilization of the energy audit, design and build services were provided along with project and construction management. Atlantic Energy Services, Inc. also monitored and verified the annual savings achieved.

- **Energy Savings**
Energy savings resulting from this project were 6.8 kBtu/ ft²-yr, which equated to \$38,696 saved.
- **Investment**
Chemung County Nursing Facility invested \$225,000 in this project.
- **Financial Return**
The simple payback from this project is 5.8 years, not including Department of Health Aid.
- **Other Benefits**
The greatest benefits resulting from this project were the reduction of energy used and the nursing facility's annual energy costs. Upgrading the lighting systems in the building improved the visual acuity for both residents and staff. The lighting measure also provided a maintenance savings by improving the quality and performance of bulbs and ballasts.

Monitoring & Verifying Energy Savings

Energy/Utility (EU) savings are determined by partial field measurement of specific systems' energy use, separate from the total energy use of the facility. Measurements may be either short-term or continuous.

Distinguishing Value

Atlantic Energy Services, Inc. has an ongoing relationship with Chemung County Nursing Facility and is currently assisting them in installing a cogeneration plant. Atlantic Energy Services, Inc. provides the facility with a turnkey approach from the audit, to design, to installation phases as well as through ongoing support.

