



AMERICAN DEVELOPMENT
INSTITUTE

Web: www.ad-institute.com
E-mail: info@ad-institute.com

SUMMARY

ADI Energy was selected by Madison Energy Group (Madison) to perform a Facility Condition Assessment of Plymouth State University's Cogeneration Plant to support transition of plant ownership and operation from its current owner to the University.

Facility Investment: \$7.0 Million

SERVICES

- Site evaluation
- Environmental and regulatory analysis
- Facility condition assessment
- Long-term O&M planning
- Load testing
- Plant staffing recommendations
- Transition assistance

MEASURES

- Cogeneration
- CHP
- Heat Recovery
- Energy Management Systems
- Firetube Boilers
- Compressed Air Systems
- Selective Catalytic Reduction
- Fuel Forwarding Systems

UNIQUE VALUE
TO CUSTOMER

Twenty years ago, Plymouth State University (PSU) had worked with a private developer to build, own and operate a new Energy Center to support the campus' growing needs. The project was operated by the third party under a twenty-year management agreement, after which point both facility ownership and operation would revert to PSU. The Energy Center is both a conventional steam plant and cogeneration facility that has two diesel engines, three boilers and one heat recovery boiler.

PSU hired the team of Madison Energy Group and ADI Energy to evaluate the condition of the facility and prepare for a successful transition to PSU control. The goal was to help the University understand the current condition and future longevity of the asset. Key tasks included a review of all equipment, O&M procedures, deferred maintenance issues, and plant records, provide recommendations for corrective actions necessary prior to turnover, and provide recommendations for transition and post-transition operation

The effort was successfully concluded by a smooth transition to PSU control and continued successful operation of the plant. ADI's efforts also helped PSU appropriately budget for O&M under the new ownership and operating structure.

Plymouth State University Plymouth, NH

