



AMERICAN DEVELOPMENT
INSTITUTE

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SUMMARY

ADI Energy conducted the Technical Assistance Study in collaboration with the Naval Undersea Warfare Center and National Grid of Rhode Island. The focus of this study was to quantify the energy savings and project economics for an EEM addressing the installation of dry-cooler units at two separate Naval Undersea Warfare Center facilities; Building 115 and Building 1346.

Energy Efficiency Rhode Island
National Grid Energy Incentive

SERVICES

- Energy engineering
- Commercial energy services
- Conservation solutions
- Design build energy consulting
- Energy analysis
- Energy audit
- Preliminary assessment for energy
- Energy engineering
- Energy financial analysis
- Energy conservation

MEASURES

- Dry-cooler economizers

National Grid Naval Undersea Warfare Center Newport, Rhode Island



UNIQUE VALUE TO CUSTOMER

ADI Energy conducted the Technical Assistance Study with the Naval Undersea Warfare Center and National Grid of Rhode Island. The study quantified the energy savings and project economics for an EEM addressing the installation of dry-cooler units at two separate Naval Undersea Warfare Center facilities; Building 115 and Building 1346.

Specifically, the National Grid and the Naval Undersea Warfare Center's energy project involved potentially installing a new 45 ton dry cooler at Building 115, a new 96 ton dry cooler at Building 1346, equipment supports, new chilled water piping and valves, new valve actuators, DDC programming, all necessary electrical wiring and integral accessories.

ADI Energy gathered information on the existing and proposed systems to determine the efficiency and cost savings projections for the project. Each Naval Undersea Warfare Center building had a dedicated air-cooled chiller and pumps, which generated and distributed chilled water to various RTUs and AHUs that condition the associated spaces.

ADI Energy analyzed each energy-consuming system, allocating energy consumption among the different systems, equipment, and points of use. ADI Energy pinpointed specific areas of energy waste and provided accurate cost savings projections for the Naval Undersea Warfare Center and National Grid.