



Shades of Green - Phase I

Customer Profile

Shades of Green is a 216,050 square foot resort facility with 287 rooms. The resort is operated by the United States Army for the benefit of active and retired military personnel. All the revenue is self-generated and the facility operates without taxpayer support.

Customer Issues

- Achievement of Federal Government energy efficiency mandates
- Improved guest comfort
- Improved cash flow/reduced operating cost
- Self sufficiency in facility operations
- Offset of capital expenditures for aging infrastructure
- Ability to extend the contract to provide funding for additional renovations and expansion
- Plan and prepare for future growth

Project Objective

Reduce operating costs, provide better maintenance and support services, produce chilled water on-site rather than purchasing from utility and provide self-funding improvements to the facility.

Project Size \$2,466,498 Federal ESPC project

Guaranteed Annual Savings \$524,087

Projected energy savings and demand reduction: 699,656 kWh, 1936 kW, and 2,804,847 ton hours of cooling removed from chilled water utility

PACTSM Project Reference



Project Scope and Results

- Construction of new energy center structure, 700-ton chiller plant and heat recovery system.
- Lighting retrofit
- Air handling replacement
- Building automation system installation
- Hotel room occupancy sensors
- Indoor air quality Phase I evaluation
- Water conservation survey
- On-site full coverage maintenance

Contract Dates

June 1997 - June 2007

Contact

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