An Energy-Efficiency Workshop and Exposition

Orlando, Florida

DG/CHP Cost & Performance Numbers from U.S. Navy Projects

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-Naval Facilities Engineering Services Center (NFESC)

-ESPC Financed Project

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Federal Project Numbers

- 120 kW Microturbines: $650k installed cost ($5,400/kW) with savings at $55k/yr
- 750 kW Photovoltaics: $7,700k installed cost ($10,300/kW) with savings at $230k/yr
- 5,200 kW Central Plant: $9,900k installed cost ($1,900/kW) with savings over $1,800k/yr

PV Observations

- Initial Cost
- Special project grants
- Space requirements
- Utility connection requirements

750 KW Photovoltaic Parking

Microturbine Observations

- Utility interconnection requirements
- Sound issues
- Electrical efficiencies
- Thermal rejection use

Two 60 KW MT at CHP

Cogen (CHP) Observations

- Fuel type consideration
- Operations & Maintenance
- Contract requirements

5,200 KW Turbine w/ HRSG