



Project Highlight

PIDC and Philadelphia Navy Yard, PA



PIDC Increases Resiliency with a New 8 MW Natural Gas-Fired Peaking Plant at the Philadelphia Navy Yard

Technology Type:

Microgrid Integration | Peaking Plant |
Natural Gas-Fired Reciprocating Engines

Campus Size

1,200 acres

Non-Wires Alternative

Avoid Distribution System Investment
Generate Revenue and Savings

Capabilities

Peak Management
Ancillary Services
Resiliency

Capacity

8 MW



Summary

PIDC, Philadelphia's public-private economic development corporation, partnered with Ameresco for a new 8 megawatt (8 MW) natural gas-fired peaking plant that anchors one of the largest private microgrids in the United States, located at the Navy Yard in Philadelphia.



Solution

- Eight megawatt (8 MW) natural gas-fired peaking plant
- Ameresco responsible for design, build, and commissioning
- Ameresco providing long-term operations and maintenance



This on-site generation facility will help support the energy demand for the 1,200 acre campus as businesses continue to locate here and grow, while remaining in line with the Navy Yard's commitment to smart energy initiatives and sustainability. Ameresco is not only designing and developing a project that addresses the Navy Yard's energy growth needs, reliability requirements, and cost targets, but one that can also provide back-up and resiliency support as required.



Prema Katari Gupta
*Senior Vice President, Navy Yard Planning,
Development & Operations, PIDC*



Benefits

The peaking plant is expected to run during the Navy Yard's peak demand periods and during intervals of high-cost energy and capacity from the grid. The plant will be capable of providing certain resiliency services and critical support in the event of extended grid outages in addition to shaving the peak load requirements of the microgrid. The project will allow PIDC to:

- Reliably meet the projected demand growth needs of the Navy Yard and its tenants
- Participate in the PJM Ancillary Service Market
- Generate revenues to help offset the cost of the increased capacity
- Provide resiliency services and critical support during grid outages

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

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