



Exelon Generation®

Medway Peaker Project

Powering Growth in Medway and New England

Expanding the 45-year old Medway facility will mean cleaner and more efficient energy is available when you need it most.

New England needs efficient energy to meet future power demand, and Medway can help provide it.

To ensure lights, heat and computers stay on during times of high energy demand, Exelon Generation is expanding its existing power generating facility in Medway, which has been quietly providing peak energy for 45 years. The expansion will add two highly efficient, fast starting natural gas turbines.

Beginning in 2018, the new units will add up to 200 MW of additional power during periods of high demand on our energy grid.

With the addition of efficient peak energy, Medway is helping power the future of New England.



More Power to You

Everyone needs electricity. With older power plants retiring over the next few years, New England needs additional energy demanded by homes and businesses. Each year the New England Independent System Operator (ISO-NE) holds an auction to ensure the New England power system will have enough resources to meet future electric demand. The Medway expansion was chosen in that auction to help ensure demand during peak times can be met responsibly.

Medway Expansion

- Location: Summer Street, Medway
- Existing facility operating since 1970
- Expanding from three units to five
- Expanding on existing property
- Clean natural gas as primary fuel
- No visible emissions from stacks
- Advanced emission controls
- Secondary fuel(Ultra Low Sulfur Diesel) cleaner than what many residents use to heat their homes
- Meets all state and federal emission and noise regulations
- Not visible to most neighbors
- Makes Exelon Generation largest taxpayer in Medway

The Medway expansion will be built on the plant's existing 94-acre site, will have no visible emissions, and will include the most up-to-date technology available for peaking plants, including technology to reduce emissions and noise. The expansion will begin generating energy in 2018, and has been designed to minimize impacts on the environment, the local watershed, and the health of the community.*

* For more information see the Draft Environmental Impact Report (DEIR) including a Human Health Risk Assessment which can be viewed on our website

www.medwayenergy.com

Medway Expansion Facts

Air Quality

Equipment to be added for the expansion will feature clean-air technologies that ensure the new units comply with **all** state and federal emission regulations and that there will be no impact on public health. In addition, there will be no visible emissions from the expansion's stacks including no visible water or steam emissions, even when running on our secondary fuel, Ultra Low Sulfur Diesel.

Water

Estimated average per-day water use for the Medway expansion is 95,000 gallons, and that's only if the expansion runs at its maximum permitted capacity. When the plant runs less, water use will be less. Water, used to control emissions, will come mainly from an on-site well that does not impact the Town of Medway's water supply. For the remainder, Exelon Generation is working with an adjacent town with water available under its state permit. No Town of Medway water will be used.

Sound

Sound mitigation technology will be used on both the existing and new equipment, so when the expansion is running it will be as quiet as before - about the level of sound in a quiet residential living room.

Sight

To meet emissions and noise regulations, the expansion will include a sound wall and taller (160-foot) stacks which are the same height as the tallest existing transmission tower already adjacent to the facility. Because of topography and wooded buffer areas, the sound wall and stacks, like the existing stacks, will not be visible to most neighbors.

Green Support

Peaking plants will always be needed to provide quick backup during times of unexpected, high demand on the energy grid. Because renewables such as solar and wind are not always available, natural gas offers a cleaner and more efficient fuel source than coal. As such, natural gas plays an important role in the transition toward more renewables.

Benefits

Up to 200 jobs during construction. Four to six full-time positions once the plant begins operating. A significant positive impact to the Town of Medway's property tax base, making the Medway facility the largest property taxpayer in the Town. And efficient energy when you need it most.

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Expansion*



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Who We Are

Exelon Generation is a unit of Exelon Corporation, a leading U.S. competitive energy business. Exelon owns and operates one of the nation's cleanest and lowest-cost power generation portfolios which includes a balanced mix of fuel sources across the U.S. including hydro, wind, solar, nuclear, natural gas, and oil.