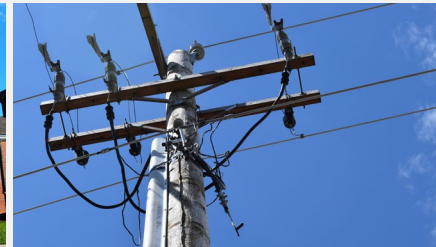


DEMEC



Delaware Municipal Electric Corporation



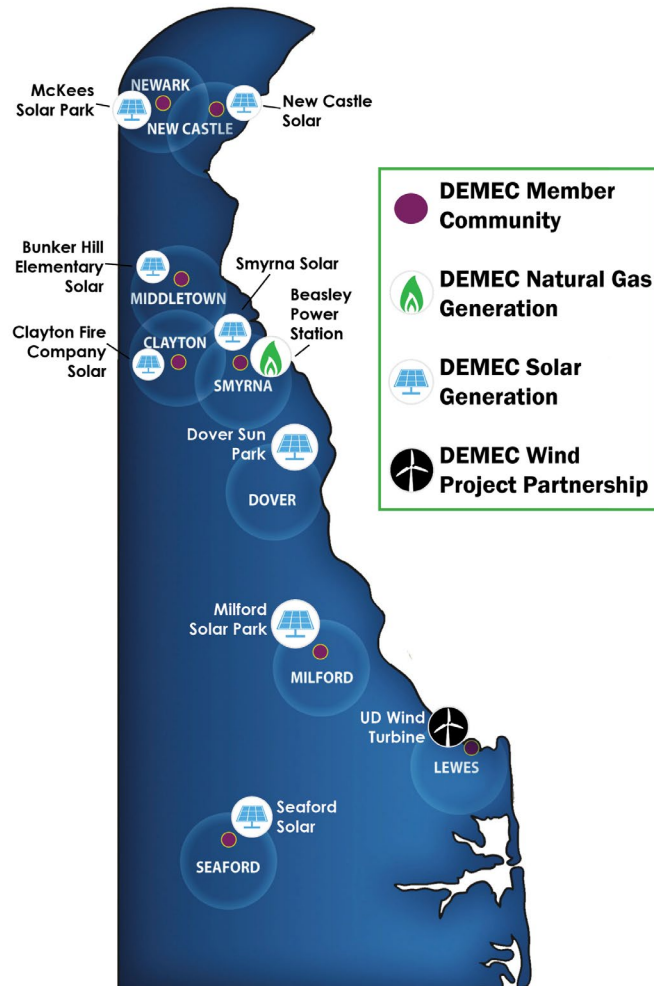
DEMEC Sustainability Programs

Emily Greene, Compliance Administrator

Delaware Municipal Electric Corporation

DEMEC Overview

Mission: To support our members' success and relevance, DEMEC delivers excellence in competitive, reliable, sustainable power supply and innovative services, advancing the benefits of community-owned utilities. **Values:** Member Focus, Culture, Operational Excellence, and Sustainability.



- ▶ DEMEC's members/owners consist of Cities & Towns throughout Delaware that own their electric utilities
- ▶ DEMEC provides **reliable, environmentally responsible, low-cost wholesale power supply** and related services to its members
- ▶ As public power communities, DEMEC members have full control over their retail electric rates and services to their communities
- ▶ DEMEC has deployed/supported within member communities **48% of all solar in the state** and continue to expand solar generation investment

Strategic Investments In Generation

DEMEC has increased investments in high efficiency, low emissions generation assets:

- ▶ Beasley Power Station – 100 megawatts (MW) of natural gas
 - ▶ Fremont Energy Center – 115MW of natural gas
- and investments in nearly 100MW of renewable energy*

DEMEC, by virtue of our diverse investments in efficient and sustainable generation, has been able to maintain reliability and **reduce our wholesale rates by 26%** over the past ten years, **giving back over \$76.7 million** to our members.

- ▶ Generation assets are cost-effective, safe, *sustainable* alternatives that support reliability and environmental stewardship.
- ▶ DEMEC's power supply portfolio has **over 85% low-no emissions generation** resources.
 - ▶ **DEMEC reduced our carbon footprint by over 50%** since 2008.
- ▶ DEMEC generation resources provide price certainty and reliability to the citizens of Delaware.



Community Solar Programs

Adapting to the unique characteristics of community-owned electric utilities, DEMEC and our members provide tailored community solar initiatives to meet customer needs.



DEMEC & Member Community Solar Programs

Newark Community Solar Program – McKees Solar Park

McKees Solar Park (*went commercial in 2014*)

- ▶ DEMEC in partnership with the City of Newark
- ▶ 230-kilowatt (kW) community solar facility (behind-the-meter) with 900 solar panels
- ▶ Revitalized a 3.91-acre brownfield site
- ▶ Reduces City's peak power demand, lowers cost of power, generates SRECs, and reduces carbon footprint



Opt-In Program - Delaware's first community solar program

- ▶ Launched in 2014 to **promote community involvement**
- ▶ Program **enables customers facing barriers** to entry (Renters/Students/Limited access/LMI) to participate
- ▶ **Option 1** – minimal upfront investment in return for a monthly utility bill rebate and opportunity to purchase a block of renewable power for 10 years
- ▶ **Option 2** – Tax deductible donation to support McKees and donor receives recognition on City's website
- ▶ **Recognized nationally twice** by SEPA (*formerly known as the Solar Energy Power Association*) as a **leading program design** for **increasing access** to solar energy to the public
- ▶ Newark is expanding the program to automatic opt-in for new **customers to have 100% renewable energy supply** and expand programs and services that support a more sustainable community and utility.

Other Member Community Solar Initiatives

Community-wide access to 27.5 MW of zero-emissions solar generation benefiting all customers

- ▶ New Castle Solar 29 kW project
- ▶ Dover Sun Park 10 MW project
- ▶ Milford Solar 15 MW generation
- ▶ Clayton Solar 4 kW project on Clayton Fire Department's roof
- ▶ Smyrna Solar 1.5 MW project located on dry retention pond
- ▶ Seaford Solar 688 kW project at wastewater facility



Smyrna Solar Facility



Electric Vehicle Solutions

Reducing our carbon footprint by supporting electric
vehicle solutions throughout Delaware.

DEMEC & Member Electric Vehicle (EV) Solutions

DEMEC

- ▶ Installing EV Charging Stations at Administrative Offices.
- ▶ Adding DEMEC's first EV fleet vehicle.

Lewes BPW

- ▶ EV Charging Stations located downtown for convenient charging while visiting businesses downtown.
- ▶ Electric vehicle included in Lewes BPW fleet.

MSC of the City of New Castle

- ▶ Residential EV Charger Grant Program making it easier for customers to install chargers at their homes.
- ▶ Purchased Public Access Chargers and are in the process of installing

City of Newark

- ▶ EV Charging Stations located at the Municipal Services Building.
- ▶ EV's already incorporated in City's vehicle fleet.

Town of Smyrna

- ▶ Purchased Public Access Chargers and are in the process of installing

City of Seaford

- ▶ Purchased Public Access Chargers and are in the process of installing

Several additional members have started the process to add EV Charging Stations or include EV's in their municipal fleets.



Energy Efficiency Program

Saving energy and money for residential and business customers while benefiting the environment.



Helping the Environment – Saving Electricity & Money



DEMEC Energy Efficiency Program – *Efficiency Smart*

- ▶ Member communities offer this program to all residential and business customers
- ▶ Current Lifetime Energy Savings: 76,985 MWh
 - ▶ Equal to emission savings by eliminating nearly 60 million pounds of coal burned at coal plants or planting 71,085 acres of mature forest.
- ▶ Current Lifetime Customer Savings: \$9,008,228

DEMEC



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Thank You!

If you have questions or need further information:

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Let's be
friends!  @DEMEC