Cape & Vineyard Electric Cooperative, Inc.

Barnstable County

Liz Argo, Manager
Leo Calounes
President
Ron Bergstrom
Director for Barnstable County

Cape & Vineyard Electric Cooperative, Inc.
Renewable Energy Installation and Sales

The Cape & Vineyard Electric Cooperative was organized under State statute, Chapter 146, on September 12, 2007.

Three initial members: The Cape Light Compact, Barnstable County and the Town of Barnstable.

Now: 23 municipal members and 9 district participants

Mission: Renewable Energy

- Power sales
- Net Metering Credit benefits
- ISO-NE market benefits to stabilize grid
- Electric Vehicle (EV cars and stations)
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Renewable Energy Installation and Sales

CVEC's Participating Towns/Counties/Districts -
- Aquinnah
- Barnstable
- Bourne
- Brewster
- Chatham
- Chilmark
- Dennis
- Edgartown
- Eastham
- Falmouth
- Harwich
- Oak Bluffs
- Orleans
- Marion
- Nantucket
- Sandwich
- Provincetown
- Tisbury
- West Tisbury
- Yarmouth
- Barnstable County
- Dukes County
- Monomoy School District
- Dennis Yarmouth School District
- Barnstable Airport

5 CVEC PV (& Storage) Initiatives:
- CVEC-7 Initial Round = 750kW on roofs
- Round 1 = 16MW, mostly on landfills
- Round 2 = 12MW, on roofs & municipal lands
- Round 3 = 1MW, on roofs
- Round 4 = 12MW, canopies, roofs, lands With STORAGE
  Will reach 50MW at end 2020
- Round 5 ~ 14MW, canopies, roofs, lands With STORAGE
  ~64MW by 2023
5 CVEC PV & Storage

- Largest Cooperative power totals in New England
- At end FY19, savings of over $13,000,000 to participants
- Equivalent reduction of greenhouse gases
- Trees, lands - STORAGE
- ~ 64MW by 2023

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- CVEC EV Cars & Charging Stations Initiative:
  - Electric Cars (2 to County)
  - Charging Stations (6 to County)

- CVEC Net Metering Credit Sales:
  - 3 PV Power Sales Agreement = 7MW
  - Wind Power Sales Agreement = 3MW
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CVEC NMC Consultancy Management Services for:
Sandwich, Provincetown, Dennis, Yarmouth

Legislative and Regulatory Efforts:
- Working with Senate to secure relief from taxation of municipal solar
- Intervenor in Eversource case - prevented devaluation of Net Metering Credits
- Member of Cape Cod Climate Change Collaborative

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FY 2020

- CVEC community solar offering
- Battery back-up at DY High School Emergency Shelter using $1.5 M Grant
- Microgrids to pair PV with storage and power large municipal facilities
- PV/Storage Initiative Round 6
### Cape & Vineyard Electric Cooperative, Inc.

#### Barnstable County in FY19

<table>
<thead>
<tr>
<th>KWh</th>
<th>NEK / BTM Credit</th>
<th>Developer Cost</th>
<th>CVEC Admin Cost</th>
<th>Revenue Sharing</th>
<th>Net Benefit</th>
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</thead>
<tbody>
<tr>
<td>1,200.45k</td>
<td>$250,050</td>
<td>($104,687)</td>
<td>($7,859)</td>
<td>($36,051)</td>
<td>$95,893</td>
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</tbody>
</table>

- Offtaker from CVEC PV projects:
  - Harwich, Tisbury & West Tisbury Capped Landfills, Barnstable Fire District project and Edgartown's Numepek well project
  - AND
  - Offtaker from CVEC power sales:
    - Future Generation Wind and Nexamp

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### Cape & Vineyard Electric Cooperative, Inc.

#### Barnstable County in FY20

- Photovoltaic (Solar) Development planned for Barnstable County Campus 2021-2022:
  - County Farm - Dual Use with agricultural component
  - Main Campus Parking Lot - solar canopy
  - Orleans District Courthouse - both roof and canopy
  - Solar on roofs of Superior Court, 1st District Courthouse, Lab, Deeds Building, Health & Corrections Building

Vendor selections due by December 10, 2019, Possible completion in 2022.
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Questions?

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