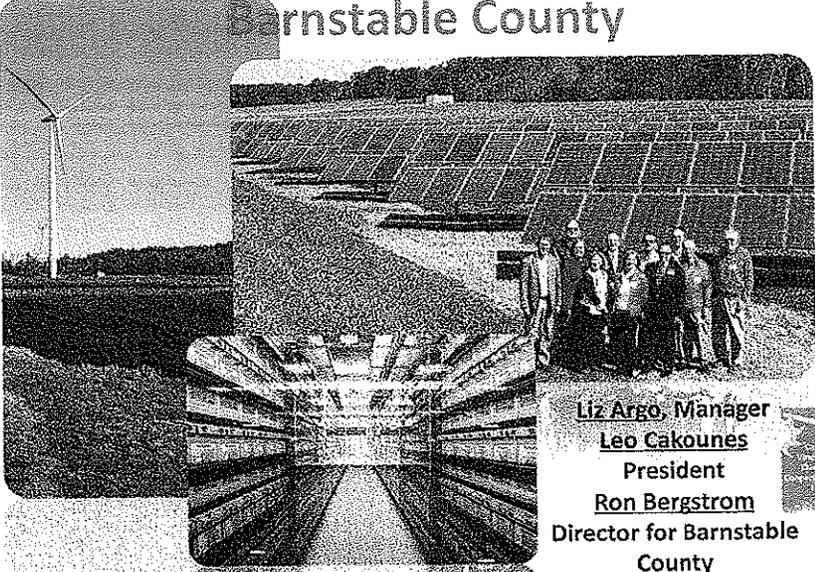


Cape & Vineyard Electric Cooperative, Inc.
Barnstable County



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

1



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)



2



Cape & Vineyard Electric Cooperative, Inc. 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

- Barnstable Fire District
- Cotuit Water
- COMM
- Harwich Water
- Sandwich Water
- Upper Cape Regional Water
- Nauset School District

3



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

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



4



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

5 CVEC PV (8.5 MW)

- Largest Cooperative power totals in New England
- At end FY19, savings of over \$13,000,000 to participants
- Equivalent reduction of greenhouse gases

...s, lands - STORAGE

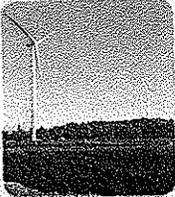
~ 64MW by 2023

5



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

- ☑ 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

6



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

- ☒ 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

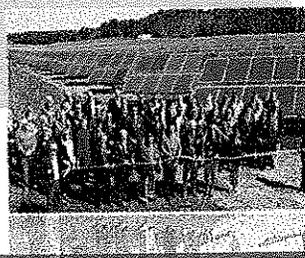


7

Cape & Vineyard Electric Cooperative, Inc. 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



8

Cape & Vineyard Electric Cooperative, Inc. Barnstable County in FY19



kWh	NMC / BTM credit	Developer Cost	CVEC Admin Cost	Revenue Sharing	Net Benefit
1,206,452	\$205,059	(\$104,857)	(\$7,559)	(\$36,951)	\$55,698

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

9

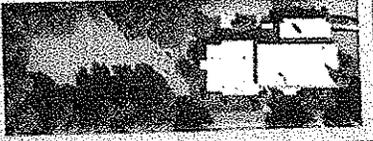
Cape & Vineyard Electric Cooperative, Inc. Barnstable County in FY20



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 Courthouse, 1st District Courthouse, Lab, Deeds Building, Health & Corrections Building.



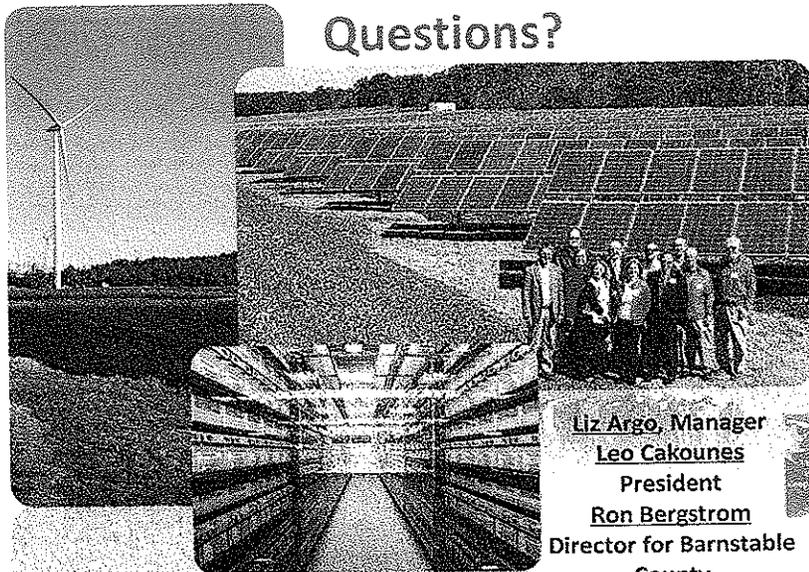


Vendor selections due by December 10, 2019.
 Possible completion in 2022.

10

Cape & Vineyard Electric Cooperative, Inc.

Questions?



Liz Argo, Manager

Leo Cakounis

President

Ron Bergstrom

Director for Barnstable

County