

CVEEC, Inc.

Electric Cooperative

for Massachusetts Governmental Entities



CVEEC

23H2 White's Path, Suite 2
South Yarmouth, MA
02664

508-619-7691

What is CVEC?

- CVEC is a non-profit cooperative with **authority to enter into Inter-governmental Agreements** with towns, school districts and other government entities. Both members and participants benefit with CVEC's expertise in renewal energy.
- CVEC has taken the lead in developing photovoltaic (PV) and battery roof-mounted, ground-mounted and canopy projects on government properties which yield lower energy costs for an entity.
- CVEC provides members and participants with **PV project expertise and access to industry and government leaders as well as the benefits of sharing project costs.**

***Members:** Barnstable County, Cape Light Compact, and the Towns of: Barnstable, Aquinnah, Bourne, Brewster, Chatham, Chilmark, Dennis, Eastham, Edgartown, Falmouth, Harwich, Oak Bluffs, Orleans, Marion, Mashpee, Nantucket, Provincetown, Sandwich, Tisbury, West Tisbury, and Yarmouth.

*** Governmental Participants:** Barnstable Municipal Airport, Barnstable Fire District, D-Y Regional School District, Harwich Water District, Monomoy School District, Nauset Regional School District, Cotuit-Osterville-Marston Mills Fire District, Sandwich Water District, and Upper Cape Regional Water District.

CVEC is a
unique
Massachusetts
energy
cooperative for
government
entities.



CVEC's goals and objectives include:

- developing and/or owning renewable electric generation facilities and
- procuring and/or selling long-term electric supply or other energy-related goods or services
 - including renewable energy certificate contracts at competitive prices to member communities and consumers within member communities.

- **\$ 17 MILLION - in Savings to Date** to participating Towns, Counties, Fire Districts & School Districts
- **~ 54 MW** in renewable energy projects by 2023
- **Critical Carbon Reduction**

CVEC's PV
and battery
projects—
a sampling.



Monomoy Regional High School



Dennis- Ezra Baker School



Provincetown-VMCC



Brewster Captain's Course Golf Facility Canopy



Edgartown- Nunnepog Well



Harwich Capped Landfill



Edgartown- Katama Farm



Yarmouth Fire Station



D-Y Emergency Shelter Battery



Barnstable Municipal Airport



Oak Bluffs Fire Station

*Initial Round plus Five Additional Rounds-
Currently 70 Projects completed and/or
scheduled for development*

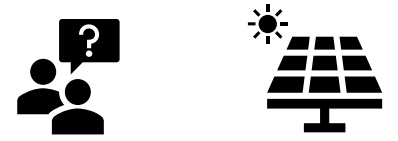
How does a CVEC-led project help reduce energy costs?

- CVEC bundles multiple projects from multiple members and participants (e.g., towns) into a **single, central Request for Proposal** called a Round.
 - 5 Rounds completed with **Round 6 under development**.
- CVEC, with **over 13 years of experience**, provides project management and **economies of scale** by bundling projects into an RFP Round.
- CVEC helps members and participants **save money on electric bills*** and **reduce greenhouse gas emissions** by:
 - supporting the development of **PV &/or battery projects**, such as canopies, roof mounts, and ground mounts at landfills or other open areas.
 - offering **net metering credits to apply against electric bills**. Credits are allocated from either another municipal project (with excess credits) or from another power producer with which CVEC has contracted.

* Developers apply for and pass on a REDUCED ENERGY RATE through the Massachusetts Solar Massachusetts Renewable Target (SMART) Program - DOER's incentive program to support solar & battery storage development.

How CVEC builds your PV Project.

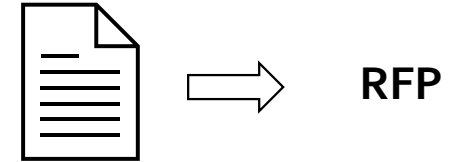
1. Towns and districts identify **possible project(s) for a Round.**



2. CVEC makes a **preliminary evaluation** (location, size, electricity usage, etc.) and identifies a group of projects to move forward.



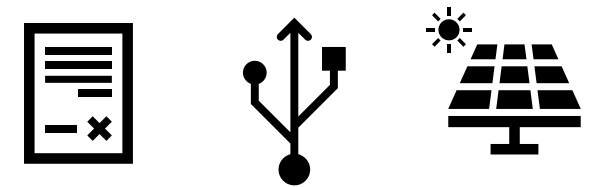
3. CVEC asks each town or district for a non-binding **Letter of Intent**, advertises a **central RFP**, and evaluates each vendor response with the respective town or district.



4. With **CVEC's expertise** and guidance from **CVEC's legal counsel**, the town or district makes the final developer choice for each project.



5. CVEC negotiates and facilitates the **execution of contracts** between the town and the developer and monitors the project through to commercial operations.



What are the costs?

Before a project is built.

- Town avoids capital costs. A 3rd party developer owns the installation, passing on the Federal Incentive Tax Credits to the Project Host (town).
- Preparation and management **costs** associated with the RFP, legal negotiations and project development are **shared** between all participants:
 - **SHARED COSTS** (example): For Round 4, consisting of 18 projects and lasting for 7 months, the average cost was \$5,912 per project for project development costs, CVEC legal costs relative to the development of the RFP, site visits with vendors, vendor selection, contract negotiations and project installation management through to commercial operations.

After a project is built.

- CVEC charges an operational “adder” of a penny per kilowatt hour per kWh for project monitoring, liaise between utility and vendor, managing state incentive distributions and project management over the contract term.

When you are a PV Project Host.

HOST-an entity that allows a project to be built on its property.

Contracts involved in a CVEC-managed project:

- **A Lease**- Between the Town and the Developer
- **An Inter-Governmental Agreement**- Between the Town and CVEC
- **A Power Purchase Agreement**- Between CVEC and the Developer
 - Behind the Meter PV Projects:
 - PV power used to power a particular facility (e.g., roof-mounts, ground-mounts, or canopies)
 - Front of the Meter Projects:
 - PV power is not used on site but feeds the grid. The Host then receives net metering credits or alternative on-bill credits (AOBCs), which are applied against town electric accounts for savings. In some cases, the utility may elect to “cash out” in which cash payments are provided to the towns.

The Host can use all net metering credits, or it can sell excess to other CVEC members/participants (oftakers) and collect a fee.

CVEC acts as the liaison between the Host and any oftakers. Both parties benefit:

- Host- sells the excess credits and collects a fee from the Oftaker.
- Oftaker- receives a net reduction in their energy costs.

What is a CVEC oftaker?

OFFTAKER- Member/participant has a need for Net Metering Credits or Alternative On Bill Credits.

Contracts involved for an Offtaker:

- **An Inter-Governmental Agreement** – Between Town and CVEC allowing:
 - Allocation of credits to one or more of the town's electric accounts

CVEC acts as the liaison between the Host and the oftaker. Both parties benefit:

- Host- sells the excess credits and collects a fee from the Offtaker.
- Offtaker- receives a net reduction in their energy costs.

CVEC also offers: Electric Utility Bill Payment & Net Metering or AOBC Credit Analysis Services.

Additional fee-based services available from CVEC include:

- Review and set up of electric accounts into CVEC's database
- Monitoring of electric rates for accuracy
- Review of electricity bills for accuracy in net metering credit or AOBC distribution
- Optimizing of credit distribution
- Payment of monthly Electric bills payments through MUNIS

To see a sample of a CVEC evaluation using the CVEC database, please go to:
<http://www.cvecinc.org/worldpress/yarmouth-nmc-analysis-and-report-on-available-usage-2020/>

CVEC will charge a one-time set-up fee and annual service fees depending on the level of service desired.

CVEC also offers electric vehicle and charging station installation assistance.

Once the organization identifies the need for electric vehicles and/or charging stations, CVEC will:

- ✓ Assist in identifying best pricing
- ✓ Prepare initial Eversource Make Ready Application for free charging station siting and installation
- ✓ Prepare MassEVIP Application for vehicles and/or charging stations
- ✓ Act as liaison/intermediary with Eversource or MA DEP as needed regarding above applications

Eversource Make Ready:

Free siting assistance, trenching, conduits, wires, meter and transformer, if needed.

MassEVIP Fleets:

Battery electric purchase- \$7,500 (max) Lease- \$5,000 (max)

Plug-in hybrid purchase- \$5,000 (max) Lease- \$3,000

Charging Station Incentive (below) applies with purchase/lease of at least 2 vehicles

MassEVIP Workplace Charging Station:

60% of cost of charging station cost.



CVEC will charge a one-time fee per vehicle and/or charging station.

Summary

CVEC is your inter-governmental partner for energy-related projects

- Regional negotiator and coordinator for governmental PV and battery procurement projects
- Energy industry and government liaison
- Coordinator and resource for municipal energy committees
- Project management for PV and battery procurement projects
- Electricity usage and cost evaluation
- Administration and optimization of net metering and alternative on-bill credits
- Electric Vehicle and/or Charging Station Program Application Assistance

Thank you.

CVEC Staff:

Liz Argo, Executive Director

Maria Marasco, Esq., Deputy Director

Tatsiana Nickinello, Program Services Administrator

