

CVEC ROUND 5 RFP Questions/Answers

Legal:

1) The agreements require us to sell all of the power to CVEC. Under the SMART Program we are selling the power to the utility (not CVEC). Will CVEC be the meter owner and then sell power to the utility? There could always be a PPA; but it would likely be with Eversource and for QF value. It's possible that CVEC just wants the NMCs/AoBCs, or a cash check if possible? CVEC understands that for Behind the Meter scenarios, CVEC will buy power from the developer based on the developer's revenue meter and then distribute any excess power to the utility. For virtual metering, the host municipality will receive benefits from the utility, which will be distributed through CVEC to the developer. Respondent shall propose pricing structures and transactions consistent with SMART program.

2) Could you provide some clarification on the statement made during the site walks that all projects should have a community solar option? For many of the hosts seeking the Round 5 solar solutions, the net metering credit capacity for the town has been met. For that reason, it may better serve a town to develop the solar option under the Lease alternative (Lease only without Net Energy PPA – between Developer and Host), as opposed to under a PPA (Net Energy Power Purchase Agreement – between Developer and CVEC). In some of the Lease instances, an additional attraction for the town is a Community Solar offering through the town to its residents. For that reason, CVEC requests that developers be prepared to examine the Community Solar option with the host town.

3) Can you please provide an updated table showing the deal structure (lease/PPA or both) for each site? A chart showing the deal structure for each structure was mounted on the website on 11.1.19 at 5:25pm. (For many of the hosts seeking the Round 5 solar solutions, the net metering credit capacity for the town has been met. For that reason, it may better serve a town to develop the solar option under the Lease alternative (Lease only without Net Energy PPA – between Developer and Host), as opposed to under a PPA (Net Energy Power Purchase Agreement – between Developer and CVEC) CVEC seeks both bid structures).

4) As it relates to which (contract) documents get used and signed by whom, are the following assumptions correct:

If a BTM PPA (roof, canopy, or ground) we would use:

Appendix A: Net Energy Power Purchase Agreement – between Developer and CVEC

Appendix D: Rooftop Lease – between Developer and Host

Appendix E: Ground Mount Lease – between Developer and Host

If a Stand Alone Site Lease (roof, canopy, or ground) we would use:

Appendix F: Lease only without Net Energy PPA – between Developer and Host

Yes, that is correct

5) Could you provide clarification for the **Barnstable Registry of Deeds/County Campus Canopy** as regarding the deal structure? So, should we assume that Deeds wants a Non-PPA Lease only

for the county campus canopy and both (PPA with Lease and Non-PPA Lease) for the roof? The Deeds Building is to get a roof mount bid in both forms:

- 1) Net Energy Power Purchase Agreement – between Developer and CVEC
- 2) Lease only without Net Energy PPA – between Developer and Host

The Barnstable County Campus Parking Lot is to get a solar canopy bid in both forms as well:

- 1) Net Energy Power Purchase Agreement – between Developer and CVEC
- 2) Lease only without Net Energy PPA – between Developer and Host

6) In the specimen PPA, it refers to net metering credit purchase or alternative on-bill credits (AoBCs). Can you clarify if this is intended to suggest that SMART community solar is an accepted off-take strategy for these projects through AoBCs? In some of the Lease instances, an attraction for the town will be a Community Solar offering through the town to its residents. SMART community solar is an accepted off-take strategy for these projects.

General:

- 1) Could you provide some clarification on the statement made during the site walks that all projects should have a community solar option? For many of the hosts seeking a Round 5 solar solution, the net metering credit capacity for the town has been met. For that reason, it may better serve a town to develop the solar option under the Lease alternative (Lease only without Net Energy PPA – between Developer and Host), as opposed to under a PPA (Net Energy Power Purchase Agreement – between Developer and CVEC). In some of the Lease instances, an additional attraction for the town is a Community Solar offering through the town to its residents. For that reason, CVEC recommends that developers be prepared to examine the Community Solar option with the host town.
- 2) Will developer be solely responsible for all onsite switch gear upgrades? Yes.
- 3) Is CVEC looking to obtain greatest number of cost savings throughout the duration of the PPA based upon production, or merely the lowest PPA price per site? The premise of the question is unclear to CVEC. CVEC will consider alternative Price proposals from proposers, and, together with Non-price proposals, will make a determination and select the proposal for final negotiations that is most beneficial overall to CVEC and its members.
- 4) Can you provide available utility interval data for Dennis Highlands Golf Course, Marion Capped Landfill, Mashpee Quashnet School, Mashpee Coombs School and Nauset Regional District Middle School? CVEC cannot provide interval data. But CVEC will facilitate getting interval data from Eversource upon request for any of the accounts that are Time of Use (TOU rate class 84) accounts. Of the 5 projects in the request, only Quashnet School and Nauset Regional Middle School are in TOU rate class.
- 5) Can you please provide an updated table showing the deal structure (Lease/PPA or both) for each site in order to avoid confusion? A table was mounted on the CVEC website at

<http://www.cvecinc.org/wordpress/r5-projects/> on 11.4.19 at 10:00am to define the deal structure (Lease/PPA or both) for each site.

6) Can you please provide clarification as the site description pages say BTM but the site visit indicated it was ATM. Please confirm for **Barnstable County Superior Courthouse, Barnstable County First District Courthouse, Chatham Police Station, Dennis Highlands Golf Course Solar Canopy, and Mashpee High School**. CVEC requests that all projects with the exception of the Aquinnah Landfill, the Barnstable County Farm, the Orleans Courthouse roof & canopy, the Barnstable County Campus Parking Lot canopy, the Chatham Police Station roof, the Harwich Community Center canopy and the Sandwich Hollows Golf Course canopy be bid as Behind the Meter installations. Meanwhile, the possibility exists that a post award decision will be made to install several of the projects as Front of the Meter (due to a decision to select the Lease – no PPA option over the PPA/Lease option). The table mounted on the CVEC website showing the deal structure (Lease/PPA or both) mounted at <http://www.cvecinc.org/wordpress/r5-projects/> on 11.4.19 at 10:00am was updated at 3:30pm to specify BTM/ATM.

7) What is the intent of the battery and what schedule is it intended to run on? As in, are they intended to strictly be Behind-the-Meter back-ups for the PPA facility, to be operated to discharge to the grid via SMART, or a combination of the two depending on the site specifically? The intended usage will impact the economics. The batteries are to be Behind-the-Meter, to provide grid-down resilience as well as to relieve demand charges. CVEC will retain all capacity rights and the battery power will be participate in the demand market via the local power supplier, the Cape Light Compact.

8) Can you provide drawings showing where the septic tanks/leaching fields located in the parking lots for the sites that have them (this was mentioned during the site walks)? Can you provide drainage drawings for Dennis Golf Course (new catch basins/drainds added) and Nauset School parking lot. New Maps/drawings for the following projects have been posted on <http://www.cvecinc.org/wordpress/r5-projects/> as part of the individual site descriptions:

Aquinnah Town Hall & Police Station and Aquinnah Fire Station
Barnstable County Lab
Barnstable County Orleans District Courthouse
Barnstable County Campus Main Parking Lot
Dennis Highlands Golf Course

Plans to come for:

Nauset Middle School parking lot
Sandwich High School parking lot

Site Specific:

IMPORTANT NOTE: The Oak Bluffs Police Station roof mounted PV project has been removed from the CVEC Round 5 RFP.

1) Can we penetrate the parking lot at the **Aquinnah Capped Landfill** for foundation work/columns for the potential canopy? Is there a restriction due to the capped landfill. **No penetrations are permitted on the cap itself.**

2) Could you provide clarification for the **Barnstable Registry of Deeds/County Campus Canopy** as regarding the deal structure? So, should we assume that Deeds wants a Non-PPA Lease only for the county campus canopy and both (PPA with Lease and Non-PPA Lease) for the roof? **The Deeds Building is to get a roof mount bid in both forms:**

1) Net Energy Power Purchase Agreement – between Developer and CVEC

2) Lease only without Net Energy PPA – between Developer and Host

The Barnstable County Campus Parking Lot is to get a solar canopy bid in both forms as well:

1) Net Energy Power Purchase Agreement – between Developer and CVEC

2) Lease only without Net Energy PPA – between Developer and Host

3) For the **Barnstable County Registry of Deeds** project, does customer have a preferred conduit run from roof to POI? **The conduit run from the roof can be exterior and is preferred on the western face of building.**

4) For the **Barnstable County Registry of Deeds** project, what is the size of the customer owned transformer? Some utility transformers did not have a nameplate label. **The Registry of Deeds disconnect is rated at 600 amps. Reportedly, each leg for the Deed's building voltage of 14kv has its own transformer.**

5) For the **Barnstable County Farm** project, is the whole site available for solar or should any portions be kept open for future use?

A) In particular, should the dirt roads be preserved? **Yes, please preserve the dirt road.**

B) Should the area on the eastern side of the farm which we understand has had a temporary structures be kept open? **NO**

C) If any area should be kept open, it would be helpful to see a visual with the area marked. **No area needs to be left uncovered that lies within the marked bounds on the map provided with the exception of the dirt roads.**

6) For the **Barnstable County Farm** project, can you provide more details (where is the interconnection point, any restrictions that may apply) regarding the Barnstable County Farm

project as during the site visits this site was skipped. The site visit was offered but vendors declined. CVEC is happy to set up an additional site visit so these aspects can be determined.

7) For the **3 Barnstable County Roof** tops, how many POI locations are available across these sites? Each roof top has its own meter and, thus presumably, its own POI.

8) For the **Barnstable County Orleans Courthouse** project, could you provide clarification regarding tree clearing (project description mentions it is permitted), as the trees surrounding the potential canopy are in a wetland zone. Tree trimming is authorized to alleviate shading of the proposed solar canopy.

9) For the **Barnstable County Orleans Courthouse** project, will the customer be responsible for taking out the trees or will it fall under installers SoW? Installers will be responsible for costs of any needed tree clearing for the installation of their photovoltaics.

10) For the **Barnstable County Orleans Courthouse** project, could you provide a clarification on the deal structure, as the website shows BTM for both sites, but when clicking on the two links it shows the exact same project description (canopy – no roof)? So, should we assume BTM for both roof and canopy? The project description pages are specific to the roof project and the canopy project and are mounted properly. However, as noted as Addendum number 6 in the RFP, the two projects will be awarded to a single developer and interconnected at the same interconnection point. And unlike most CVEC Round 5 projects, the two installations will be combined into a single Lease proposal (without a PPA).

11) For the **Barnstable County Orleans Courthouse** project, is exterior conduit OK? If so, do you need to specify the run? Is there any interior conduit that is preferred? Conduit runs should be exterior and run on the transformer side of the building (north side).

12) For the **Barnstable County Orleans Courthouse** project, is there an underground electric feed at Orleans (“location of secondary feeders exterior to the building”)? The primary underground electrical feed comes from the east to the transformer and from there the secondaries feed the building.

13) For the **Barnstable County Orleans Courthouse** project, is the price of the roof repair/replacement to be built into the final price? No.

14) For the **Barnstable County Health & Corrections** project, are we restricted to the red outlined area or is the southern roof potentially available? Can we place modules out of the preferred area? At this time, the southern roof is not being considered as it is in ill-repair and unoccupied.

15) For the **Barnstable County Health & Corrections** project, can the conduit run from the roof to the main power on the exterior of the building with the interconnection outside by existing transformer? Can we interconnect out by the existing transformer? Can we keep all conduit exterior? If

so, do you need to specify the run? **New conduit can be run on the exterior for the tie-in. Consideration should be taken to avoid any piping on the building frontage.**

16) For the **Barnstable County Superior Courthouse** project, does customer have a preferred conduit route to run from roof to POI? **The conduit can be on the exterior but must be kept out of sight from Rte 6A (historic considerations), which is the north face.**

17) For the **Barnstable County Superior Courthouse** project, what is the size of the utility transformer? Some utility transformers did not have the nameplate label. **The Superior Courthouse disconnect is rated at 800 amps.**

18) For the **Barnstable County First District Courthouse** project, can a site survey be provided this will help determine conduit route from parking canopy to POI? **The Barnstable County First District Courthouse Project is a roof mounted PV installation. A site survey was mounted on the CVEC website at <http://www.cvecinc.org/wordpress/r5-projects/> on 11.4.19 at 10:00am for the design of the Main Campus Solar Canopy run to POI.**

19) For the **Barnstable County First District Courthouse** project, does customer have a preferred conduit route to run from roof to POI? **There are no existing conduit runs available. Conduit runs should be on the eastern face (transformer side) of the building.**

20) For the **Barnstable County First District Courthouse** project, where can we mount exterior equipment? **Equipment and conduit should be located on the east side of the building for District Court.**

21) For the **Barnstable County Lab Building** project, can a site survey be provided this will help determine conduit route from parking canopy to POI? **A parking lot plan was mounted on the CVEC website at <http://www.cvecinc.org/wordpress/r5-projects/> on 11.4.19 at 10:00am for the design of the County Lab Solar Canopy run to POI.**

22) For the **Chatham Police Station Canopy** project, can the solar canopy hang over the fencing around the parking lot? **No, the solar canopy must remain within the bounds of the fencing.**

23) For the **Chatham Recreation Center** project, what is the location of the utility meters and CTs? **A diagram is below:**



24) For the **Chatham Recreation Center Canopy** project, is exterior conduit OK? If not, is there a preferred route inside? An exterior conduit run is OK as long as the conduit matches existing background colors of building.

25) For the **Dennis Highlands Golf Course Canopy** project, (what is the) exact strategy for metering -BTM or ATM? As noted above in greater depth, it may better serve a town to develop the solar option under the Lease alternative (Lease only without Net Energy PPA – between Developer and Host), as opposed to under a PPA (Net Energy Power Purchase Agreement – between Developer and CVEC). Thus CVEC seeks both bid structures. If the Lease option is selected, the installation is necessarily ATM. If the PPA with a Lease option is selected, the project would be BTM.

26) For the **Dennis Highlands Golf Course**, if BTM, what meter will the PV system go behind? If BTM, the system will go behind the main clubhouse meter: Eversource account number:1451 986 0010.

27) For the **Dennis Highlands Golf Course**, if BTM, is consolidating meters an option? No.

28) For the **Harwich Community Center** project, can a site survey be provided this will help determine conduit route from parking canopy to POI and post locations? A plot plan/site survey is being sought.

29) For the **Harwich Community Center** project, location to dig up secondary feeders exterior to the building? A plot plan/site survey is being sought.

30) For the **Harwich Community Center** project, can you provide the drawings that show how the south solar canopies will be designed for us to comply with the requirement stated (will match solar canopy to the south) in the project description for Harwich Community Center? The southern canopy will be an RBI Long-span canopy. For visuals go to https://www.rbisolar.com/wp-content/uploads/downloads/RBI_Solar_CP_LS.pdf. Further details are available as Addendum 4 on the CVEC RFP website page at <http://www.cvecinc.org/wordpress/r5-projects/>.

31) Can you provide the contours (ones provided on website are blurry) and the gas vents locations for the **Marion Capped Landfill**? The map is the best that the town could provide. The town notes that the dots are marked as “GVW” and they specify the locations of the gas vents. A second plan was mounted 11.5.19.

32) For the **Marion Capped Landfill**, do they want to maintain the access path up the side of the landfill? Or can we place the array over the area outlined in blue? No need to maintain the path. The area may be utilized for solar array development.

33) For the **Mashpee Coombs School Canopy & Roof** project, can pictures of the switchgear be provided with the cover off. CVEC can try to get photos.

- 34) For the **Mashpee Coombs School Canopy** project, question on the utility poles and any associated easement. Also, can we cover the road/drive aisle through the lot? **There are no easements for the poles so there are no issues with easements. The solar canopies can cover the road/drive aisles in the parking lot.**
- 35) For the **Mashpee High School Canopy**, can pictures of the switchgear be provided with the cover off. **CVEC can try to get photos.**
- 36) For the **Mashpee High School Canopy** project, can a site survey be provided this will help determine conduit route from parking canopy to POI and post locations? **A plot plan/site survey is being sought.**
- 37) For the **Mashpee High School Canopy** project, is Behind the Meter or Ahead of the Meter preferred. **Behind the Meter is preferred.**
- 38) For the **Mashpee High School Canopy** project, can tree trimming be assumed. **Tree trimming at Mashpee High School is permissible.**
- 39) For the **Mashpee High School Canopy** project, can electrical drawings be provided. **Electrical drawings are being sought.**
- 40) For the **Mashpee High School Canopy** project, what is the size of the utility transformer? Some utility transformers did not have a nameplate label. **CVEC is trying to get this information.**
- 41) For the **Mashpee Quashnet School canopy & roof** project, can pictures of the switchgear be provided with the cover off. **CVEC can try to get photos.**
- 42) For the **Nauset Regional Middle School Canopy** project, can trees be trimmed? **Tree trimming is permissible at the south end of the parking lot.**
- 43) For the **Nauset Regional Middle School Canopy** project, can a site survey be provided this will help determine conduit route from parking canopy to POI and post locations? **A plot plan/site survey is being sought.**
- 44) For the **Nauset Regional Middle School Canopy** project, this is a very long run to the existing electrical equipment, is there a chase that runs through the building that can be used to run the PV output circuits? **CVEC is following up further on this inquiry.**
- 45) For the **Sandwich Hollows Golf Course** project, we note the requirement to include an upfront lease payment to cover paving costs. Can you provide a dollar amount we should include for this payment? **The paving costs to be paid in the first year of contracting as an advance on future annual lease payments should be no less than \$550,000.**
- 46) For the **Sandwich Hollows Golf Course Canopy** project, can the parking lot be reoriented during the repaving? **Yes, a reorientation could be discussed.**

47) For the **Sandwich Hollows Golf Course Canopy** project, what is the size of the utility transformer? Some utility transformers did not have a nameplate label. **CVEC is following up further on this inquiry.**

48) For the **Sandwich Hollows Golf Course Canopy** project, what are the two meters for? **CVEC is following up further on this inquiry.**

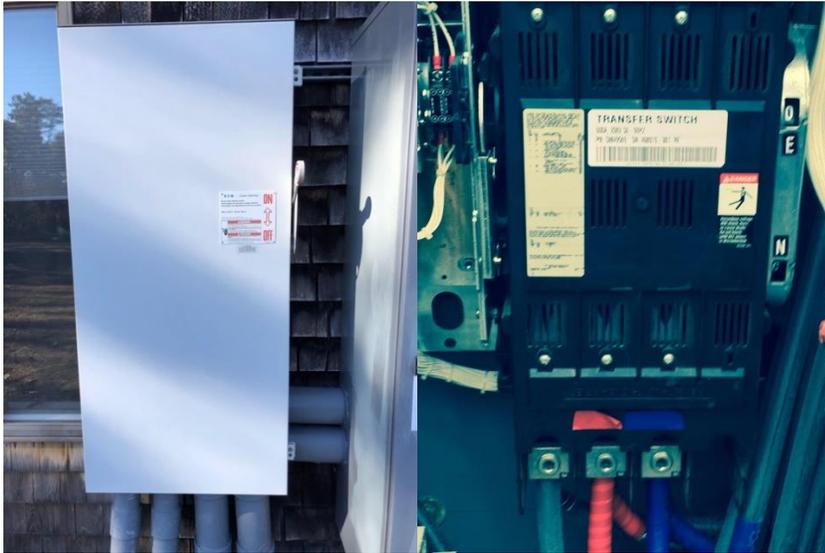
49) For the **Sandwich Hollows Golf Course Canopy** project, can we claim room inside the fenced area? May need a transformer upgrade and tap box, disconnect, meter. etc. **CVEC is following up further on this inquiry.**

50) For the **Yarmouth Senior Center** project, is exterior conduit OK? If not, is there a preferred route inside? **A conduit run on the building exterior is fine.**

51) For the **Yarmouth Senior Center** project, size & location of transformer? Some utility transformers did not have a nameplate label. **The following photos on p. 10 were collected to provide answers for the Yarmouth Senior Center project.**

52) For the **Yarmouth Senior Center** project, can you provide pictures of the switchgear with the cover off? **The following photos on p. 10 were collected to provide answers for the Yarmouth Senior Center project.**

CVEC Round 5 PV/Storage RFP Answers to Vendor Questions – 11.5.19



KOHLER
 KOHLER CO. KOHLER WI. USA
 1-800-544-2444

AUTOMATIC TRANSFER SWITCH FOR EMERGENCY SYSTEMS
TYPE 3R ENCLOSURE
 MFG. DATE 08/07
 ACCESSORIES

MATERIAL MODELK1
 MODEL KCS-DCTC-0600B
 SERIAL NO. K2166961

AMPS 600 VOLTS 208
 WIRES 4 PHASE 3
 POLES 3 HERTZ 60



K2166961

THIS TRANSFER SWITCH IS ADJUSTED TO INITIATE TRANSFER TO THE STANDBY SOURCE WHEN THE PREFERRED SOURCE VOLTAGE IS REDUCED TO THE DROPOUT VOLTAGE SENSING POINT. RE-TRANSFER WILL OCCUR AFTER THE PREFERRED SOURCE RETURNS TO THE PICKUP VOLTAGE SENSING POINT. NOMINALLY THESE POINTS ARE 81% AND 90%, RESPECTIVELY. DEFAULT TIME DELAY SETTINGS, PREFERRED TO STANDBY(1 SECOND) AND STANDBY TO PREFERRED(5 MINUTES). TRANSFER TO THE STANDBY SOURCE WILL OCCUR WHEN THE VOLTAGE AND FREQUENCY REACHES 90% OF NOMINAL. TEST OR EXERCISE TRANSFER SWITCH MONTHLY. REFER TO OPERATORS MANUAL. IMPORTANT! ENSURE ALL RELAYS ARE PROPERLY SEATED BEFORE ENERGIZING TRANSFER SWITCH. COVER SHOULD BE REMOVED BY A QUALIFIED SERVICE TECHNICIAN ONLY AND BE RE-INSTALLED AFTER SERVICE. FOR NEMA 3R, USE LISTED RAINTIGHT HUBS FOR CONDUIT CONNECTION.

 LISTED 37AA AUTOMATIC TRANSFER SWITCH FOR EMERGENCY SYSTEMS

