

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

Petition No. 1310

Company: Quinebaug Solar, LLC

Submission Date: October 10, 2017


Exhibit CSC-85

Quinebaug Solar Forward Capacity Correspondence



memo

To: Project Sponsor

From: Carissa P. Sedlacek, Director - Resource Adequacy 

Date: September 29, 2017

Subject: New Capacity Qualification Determination Notification ("QDN") for the Capacity Commitment Period ("CCP") 2021-22 Forward Capacity Auction ("FCA #12")

Resource Name: Quinebaug Solar (#38826)

Project Name: Quinebaug Solar, LLC (#12534)

Pursuant to Section III.13.1.1.2.8 of the ISO New England (the "ISO") Transmission, Markets and Services Tariff (the "Tariff") and in accordance with ISO New England's Planning Procedure No. 10 ("PP-10"), Section 5, the ISO has determined that the aforementioned project is **partially qualified** to participate in the upcoming FCA.¹

Project Characteristics

Project Type	New Generation >= 20 MW
Requested Summer Capacity (MW)	49.000
Requested Winter Capacity (MW)	49.000
Qualified Summer Capacity (MW)	28.676
Qualified Winter Capacity (MW)	0.000
Capacity Network Resource Capability Summer (MW)	0.000
Capacity Network Resource Capability Winter (MW)	0.000
Load Zone	CONNECTICUT
Point of Interconnection	Tapping 1607 line 0.23 miles north of Exeter Tap 115 kV Substation
Interconnection Request Queue Position	588
Transmission Upgrades Required²	Yes
Dual-Fuel Capability	No

¹ This determination is only applicable for FCA #12 for the 2021-22 CCP beginning June 1, 2021 (unless specified otherwise in this QDN). Pursuant to Tariff Section III.13.1.1.2, this determination notice, including the result of the initial interconnection analysis does not supersede, replace or satisfy any of the requirements of Schedule 22 and 23 of Section II of the Tariff. The determinations provided here are for purposes of qualification for participation in the FCA only and do not constitute a right or approval to interconnect, nor a guarantee of the ability to interconnect.

² Pursuant to Tariff Section III.13.1.1.2.3 and detailed in the appendix to this QDN.

Project Characteristics

Composite Offer

No Composite Offer Required

Resource Contractual Commitment

Not Applicable

Additional details of the Forward Capacity Market qualification studies can be found in the Appendix of this QDN.

Site Control

In accordance with Tariff Section III.13.1.1.2.2.1, the Project Sponsor submitted an executed Lease Agreement as proof of site control. The submittal meets the requirement to demonstrate site control for the aforementioned project.

Critical Path Schedule (“CPS”)

The ISO has evaluated the information provided³ and has determined that the CPS with the proposed commercial operation date (“pCOD”) November 1, 2019 is acceptable for the purpose of qualification for this FCA.

Furthermore, if the resource’s commercial operation date is prior to June 1, 2020, or if the resource is marked commercial by the ISO, then the resource may be eligible⁴ to participate in earlier Capacity Commitment Periods via bilateral and reconfiguration auctions. To participate in earlier Capacity Commitment Periods via bilateral and reconfiguration auctions, the CPS Monitoring election **must** be made.

³ Pursuant to Tariff Section III.13.1.1.2.2.2

⁴ Participation by a resource in reconfiguration auctions and bilateral transactions earlier than the aforementioned CCP, in which qualification was granted, may occur only in situations where the resource meets the deliverability standard (Pursuant to Tariff Section III.13.1.1.2.3. (f)) for that CCP; all CPS milestones have been completed or will be completed by the start of the relevant CCP; and the aforementioned project is expected to achieve commercial operation by the start of the CCP.

As a reminder, below are the key dates⁵ that the Project Sponsor should be aware of for auction participation:

Market Participant Status Deadline	September 29, 2017
Renewable Technology Election Deadline⁶	October 6, 2017
Composite Offer Deadline	October 16, 2017
FCA Qualified Capacity Deadline⁷	October 23, 2017
Project Sponsor Withdrawal Deadline	October 24, 2017
FCM Deposit from Accepted New Capacity (\$2/kW)	October 30, 2017
CPS Monitoring Election	November 6, 2017
Non-Commercial Capacity Financial Assurance for Accepted New Capacity	January 22, 2018
FCA #12 Commences	February 5, 2018

⁵ The key dates provided here are for informational purposes only. In case of any discrepancy between the information provided herein and the Tariff, the Tariff governs.

⁶ If the project seeks to qualify for Renewable Technology Resource (“RTR”) exemption pursuant to Tariff Section III.13.1.1.1.7, the ISO strongly encourages Project Sponsors to submit their Renewable Technology Election and supporting documentation at least two business days (October 4, 2017) prior to the RTR Election deadline. This will allow additional time for participation in Composite Offers if RTR proration is not in effect.

⁷ Pursuant to Tariff Section III.13.1.5.A.

Appendix

Initial Interconnection Analysis

Network Capacity Interconnection Standard ("NCIS") Test:

The NCIS Test determined that no additional transmission upgrades are required for the aforementioned project to meet the Network Capability Interconnection Standard as described in PP-10, Section 5.7.

Overlapping Interconnection Impact Analysis:

The analysis determined that the following transmission elements were overloaded after the addition of the aforementioned project.

Overloaded Element	Existing LTE rating (MVA)	Qualified Capacity at Existing LTE rating (MW)	% Overload	Required LTE rating (MVA)
Tunnel to Ledyard Junction (400 – 69 kV Transmission Line)	53	0	109.4%	58

The transmission upgrade required to eliminate the 400 transmission line overload identified above will likely include the re-conductoring and line structure replacements (83 in total) along the complete length of the line (8.65 miles), as well as substation conductor upgrades at Tunnel. The ISO, in consultation with the applicable Transmission Owner, has determined that this transmission upgrade can be completed by the start of the 2021-2022 CCP beginning June 1, 2021.

Direct Connect:

The feasibility of connecting the aforementioned project to the proposed interconnection point was reviewed. The review determined that it was feasible to connect the aforementioned project to the requested point of common coupling in time for the commencement of the Capacity Commitment Period.