

Year 9/10 Small ZREC Tariff

Informational Webinar
January 29, 2021

Program Overview

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Christie Prescott, UI

Laura Perbeck, Eversource

Presentation Questions

- During presentation: Please submit questions via GoToWebinar
 - If they are generic, we will do our best to answer during the webinar
 - If they are project-specific, please use the email addresses below
- If questions come up after the webinar:
 - Submit questions via email to the appropriate company
 - LREC.ZREC@eversource.com
 - LREC.ZREC@uinet.com

Small ZREC Tariff is the Controlling Document

In the event of any inconsistency between the provisions of the Small ZREC Tariff or any part this presentation, the provisions of the Small ZREC Tariff are controlling. Applicants should review the Small ZREC Tariff and all associated documents, including the Terms and Conditions and Service Agreements, thoroughly and submit their Applications based upon the Small ZREC Tariff, which will solely govern the transactions between the selected Applicants and their counterparty Company through the term of the resulting Small ZREC Tariff.

Procurement Process

- Competitive Solicitation (RFP) – Year 9 (Complete)

Project Type	Size	Annual Budget (both companies combined)	REC Price Cap
Large ZRECs	≥250 kW to 1,000 kW	Approximately \$1.33 M	Max = \$126/REC
Medium ZRECs	>100 kW < 250 kW	Approximately \$1.33 M	Max = \$126/REC
LRECs	Up to 2,000 kW	Approximately \$4 M	Max. \$126/REC

- Year 9/10 Small ZREC Tariff

Project Type	Size	Annual Budget (both companies combined)	Renewable Energy Credit Price Cap
Small ZRECs	Up to 100 kW	Approximately \$2.66M (see slide 12 for further information regarding budget)	Weighted Average of the Medium ZREC price + 10% <ul style="list-style-type: none"> UI = \$96.67 (proposed) Eversource = \$93.18

Procurement Process Continued

- Pursuant to Public Act 17-144, the overall LREC/ZREC budget consists only of ZREC statutory budgets (\$6.4M for Eversource, \$1.6M for UI) plus any applicable funds from terminated ZREC projects or ZREC projects that resulted in MAQ adjustments. Thus, the budget was divided as follows:
 - 50% to LREC projects
 - 50% to ZREC projects divided evenly among Small, Medium, and Large ZRECs
- Also, pursuant to [PURA's December 14, 2020 Notice of Changes to Year 9 and Year 10 Small ZREC Program](#) in Dkt. 19-06-36, the year 9 and year 10 small ZREC budgets will be combined
 - See Slide 12 for further information regarding Year 9/10 Small ZREC Budgets

Small ZREC Eligibility

- **If Billing Account/Site has/had an active contract as of 12/12/16 for a project that is not yet in-service, additional applications may not be submitted until that project goes in-service**
- **Section 6(f) of Public Act 16-212 – “SHREC Program”**
 - Any solar project located on a property that contains or will contain any residence of a customer of an electric distribution company that is determined to meet the Connecticut Green Bank criteria as a residential dwelling for the residential solar investment program shall not be eligible for small zero-emission renewable energy credits pursuant to sections 16-244r and 16-244s or for low-emission renewable energy credits pursuant to section 16-244t.
 - *If your project is determined to meet the Green Bank's residential dwelling criteria, it no longer qualifies for the LREC/ZREC program. See “Residential Applicants” slides later in presentation for more information*
- Must be located behind a contracting utility revenue meter and have a dedicated REC meter
- Must not have received funding/grants from CT Green Bank or its predecessors CEFA or the CCEF (other than low-cost financing)
- Projects must be in service on, or after, July 1, 2011
- No larger than 100 kW (Please note Section 3.3 of the T&C's)
- Must have zero emissions (May include solar, hydro and wind)
- Must be eligible to qualify as a Class I Renewable Project (CT PURA application and approval process)
- Must certify site control (3 signatures and a notary required)

Year 7 Small ZREC Review

- Year 7 Small ZREC application window closed when Year 9/10 Small ZREC Rider and proposed year 9/10 Small ZREC price was submitted to PURA
 - Eversource: December 10, 2020 & UI: December 4, 2020
- Projects not selected in the Year 7 Small ZREC program will need to reapply if they wish to participate in the Year 9/10 Small ZREC program

Year 7 Small ZREC Information	Eversource (\$100.74/REC)	UI (\$98.18/REC)
# of Applicants	608	147
# of Executed Service Agreements	428	48*

*Number of Executed Service Agreements still being finalized

Year 7 Small ZREC Current Status

- UI: Year 9 RFP completed and awaiting PURA approval
- Eversource: Year 9 RFP completed, approved by PURA on 1/22/21
- Small ZREC prices have been filed with PURA
(Weighted Average Medium ZREC price plus 10%)
 - Proposed UI Rate = \$96.67/REC (pending PURA approval)
 - Eversource Rate = \$93.18/REC
- **Year 9/10 Small ZREC Two-Week Window**
 - **Opened** at 1:00pm EST on Monday, January 4, 2021
 - **Closed** at 1:00pm EST on Tuesday, January 19, 2021
 - **Not relevant** – funding was significantly under-subscribed, therefore the two-week window is irrelevant for the year 9/10 small ZREC program

Key Program Documents

- PURA's April 4, 2012 Decision in Docket 11-12-06
- Solicitation Plan for LRECs and ZRECs
- [Public Act 16-212 \(Section 6\(f\)\)](#)
- Small ZREC Tariff*
- Form of Service Agreement*
- Terms & Conditions*

*Specific to each Company

Key Program Documents

(Continued)

- Rules and Process for Submitting Applications for Small ZREC Tariff
- Question and Answer Document (updated periodically)
- For UI: Guidelines and Instructions to fill out Application for Small ZREC Tariff
 - *Please note process changes for UI: 1. A single PDF file must be uploaded with all required document submissions (see Slide 28 for details); 2. A copy of the customer bill is now required as part of this single PDF file.*
- For Eversource: Summary of Required Application Information

Year 9/10 Small ZREC Budget

In accordance with [PURA's December 14, 2020 Notice of Changes to Year 9 and Year 10 Small ZREC Program](#) in Dkt. 19-06-36, the year 9 and year 10 small ZREC budgets will be combined

Project Type	Size	Annual Budget (both companies)	REC Price Cap
Small ZREC	Up to 100 kW	Approx. \$2.66M (\$1.33M x2)	Weighted average of the Medium ZREC price + 10% up to \$126/REC

- Eversource ~ \$2.13 M (+ any uncommitted Year 7 Small ZREC budget + any applicable funds from terminated small ZREC projects/small ZREC projects that installed smaller than contracted)
- UI ~ \$267K (+ any uncommitted Year 7 Small ZREC budget + any applicable funds from terminated projects/projects that installed smaller than contracted)
- The companies cannot anticipate the number of selected projects due to project size variability

Sample Calculation for an Eversource Customer

- Example – 50 kW (AC) Solar Project for an Eversource Customer
- Maximum Annual Quantity=
 - $50 \text{ kW (AC)} * 8760 \text{ Hours} * 16.9\% \text{ Cap Factor} * 1.05 / 1000 = 78 \text{ RECs}$
- Maximum Annual Payments =
 - $\$93.18/\text{REC} * 78 \text{ RECs/year} \sim \$7,268$
- Maximum Total Payments over 15 years $\sim \$109,021$

Instructions for Application Submission and Contract Execution/Management

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Laura Perbeck, Eversource

Aaron Dubauskas, Eversource

Step 1

How to apply for the Small ZREC Tariff Program

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Key Changes Applicable to Small ZREC Tariff

- Pursuant to [Public Act 16-212](#), projects that meet the Connecticut Green Bank criteria as a residential dwelling are not eligible for the LREC/ZREC program
- Terminated projects are allowed to re-apply under certain circumstances
- Participation in Forward Capacity Market
- Procedural changes due to COVID-19

Residential Applicants

- [PA 16-212](#) amended Section 2(f) of Public Act 15-194 as follows: “Any solar project located on a property that contains or will contain any residence of a customer of an electric distribution company that is determined to meet the Connecticut Green Bank criteria as a residential dwelling for the residential solar investment program shall not be eligible for small zero-emission renewable energy credits pursuant to sections 16-244r and 16-244s or for low-emission renewable energy credits pursuant to section 16-244t.”
 - If your project is determined to meet the CT Green Bank's residential dwelling criteria, it no longer qualifies for the LREC/ZREC program.
 - All residential applicants will be required to submit a copy of the "Incentive Application Denied" letter stating disqualification for failing to meet their residential dwelling criteria issued by the CT Green Bank as an attachment to their Small ZREC application. Therefore, if your Small ZREC project is or will be at a residential site (Eversource Electric rates 1, 5, or 7, UI Electric rates R and RT), you must first apply to the Connecticut Green Bank, and if denied for failure to meet their residential dwelling criteria, you must provide a PDF copy of your "Incentive Application Denied" letter as a required attachment during step 6/6 in the application process. More information on the Connecticut Green Bank's Residential Solar Investment Program can be obtained here: <http://www.energizect.com/your-home/solutions-list/residential-solar-investment-program>

Residential Applicants

- Projects that are or will be Residential (Eversource rates 1, 5, 7, UI rates R, RT) **must** first apply to the CT Green Bank
 - Only projects that are determined to not meet the Green Bank's criteria as a residential dwelling will be allowed to participate in the LREC/ZREC program
 - If denied by CT Green Bank, a copy of the "Incentive Application Denied" letter from the Green Bank stating DQ reason as failure to meet residential dwelling criteria will be required to be submitted along with the application
- Questions: Contact the CT Green Bank via email at smallsolar@ctgreenbank.com

Residential Applicants

- CT Green Bank's Residential Dwelling Criteria:
 - One to four family owner-occupied primary residence homes in United Illuminating (UI) or Eversource service territories. A primary residence is defined as the residence in which the owner resides for 183 days in a given calendar year.
 - Mobile homes are not eligible for a Residential Solar Investment Program (RSIP) incentive.
 - Investment (single and multi-family) residences are not eligible for a RSIP incentive.
 - Manufactured homes are only eligible for a RSIP incentive if the homeowner also owns the land on which the home is affixed to a foundation.
- Questions: Contact the CT Green Bank via email at smallsolar@ctgreenbank.com

CT Green Bank “Incentive Application Denied” Letter

- Must state that the reason for disqualification from RSIP program is because the project does not meet the residential dwelling criteria
 - Other disqualifying reasons will not suffice pursuant to the statutory language
- Eversource: This document is required during step 6/6 of the application process for all residential projects
- UI: This document will need to be uploaded as part of the same PDF file as the Application Certification Form

CONNECTICUT GREEN BANK

845 Brook St.
Rocky Hill, CT 06067
T: 860.563.0015
F: 860.563.4877
www.ctgreenbank.com

Via Email

{Date}

{Name}

{Address}

{Installer Company Name}

{Installer Address}

Dear {Name} and {Installer Company Name},

The Residential Solar Incentive Application (RSIP) for the installation of a {System Nameplate Rating}kW STC solar photovoltaic system at {Address} for has been denied because the proposed system does not meet one or more of the application requirements to receive an RSIP incentive. Specifically, the proposed system _____.

Please contact us with any questions or concerns.

Thank you

{Green Bank Representative}

Statutory and Infrastructure Programs

Connecticut Green Bank

smallsolar@ctgreenbank.com



Terminated Projects Re-Applying

- See Section 3.3 of the Rules and Process for Submitting Applications for Small ZREC Tariff document for further guidance
- If there is an existing LREC/ZREC Agreement that was in effect within 12 months prior to the submission of an additional Bid/Application, the additional Bid/Application for a project of the same class of technology, by the same project developer at the same project site/billing account/revenue meter, will not be allowed under that particular procurement year unless the existing LREC/ZREC project is in-service.
- Any new LREC/ZREC Agreement executed for a project of the same class of technology, at the same project site/billing account/revenue meter where an existing LREC/ZREC project did not ever go in-service, must receive a contract price using the lower of the two bid prices for the additional Bid/Application or the project that did not ever go in-service.

Participation in Forward Capacity Market

- The Companies' bid portals now include a question regarding planned participation in the Forward Capacity Market ("FCM")
- Applicants must indicate whether they intend for submitted project to participate in ISO New England, Inc.'s Forward Capacity Market ("FCM")
 - Informational purposes only
- Sellers are required to inform the Companies if the project becomes a participant in the FCM (at any point in time) and the MWs accepted into the FCM
 - Section 10.3.5 of [Terms and Conditions](#)

Procedural Changes due to COVID-19

- The Companies will accept executed Service Agreements via email only
- The Companies will accept Performance Assurance via ACH or Wire only

Application Certification Form

- 4 Page Certification Form
 - Page 1: Instructions
 - Page 2: Applicant's signature – Applicant is defined as the individual or business submitting the Application
 - Page 3: Service Agreement Counterparty's signature – Service Agreement Counterparty is defined as the legal entity desiring to enter into a Service Agreement
 - Page 4: Owner of the Project Site's Signature – Owner of the project site is defined as the legal owner of the project site **(Notarized affidavit)**
 - *Please note: UI's form has changed. The Year 9 and 10 form on UI's Small ZREC web page must be used. Other forms are not acceptable.*

Two 6-Month Extensions to Automatic Termination Date Now Available

- Section 13.3.3(b)
 - If you do not expect to achieve commercial operation within **12 months** of the selected DTSD, you have the option to request a 6-month extension to the automatic termination provision
 - If you receive the first 6-month extension, and you do not expect to achieve commercial operation within **18 months** of the selected DTSD, you have the option to request a second 6-month extension to the automatic termination provision
 - Please refer to Article 14 of the Terms and Conditions for instructions on how to notify the Companies **prior** to the automatic termination date
 - Additional Performance Assurance in the amount listed in Section 9.1 of the Agreement must also be provided **prior** to the automatic termination date
- Again, as noted above, both the request for an extension along with the additional Performance Assurance ("PA") in an acceptable form must be received by the Company prior to the contract termination date.
 - Eversource: Extension request template available on our website [via this link](#)

6-Month Extension Guidance

Delivery Term Start Date (Section 2.2)	Automatic Termination Date	1st 6-month Extension Request and Additional Performance Assurance Due By 5pm on*:	2nd 6-month Extension Request and Additional Performance Assurance Due By 5pm on*:
10/01/2019	10/01/2020	Wednesday, September 30, 2020	Wednesday, March 31, 2021
01/01/2020	01/01/2021	Thursday, December 31, 2020	Wednesday, June 30, 2021
04/01/2020	04/01/2021	Wednesday, March 31, 2021	Thursday, September 30, 2021
07/01/2020	07/01/2021	Wednesday, June 30, 2021	Friday, December 31, 2021
10/01/2020	10/01/2021	Thursday, September 30, 2021	Thursday, March 31, 2022
01/01/2021	01/01/2022	Friday, December 31, 2021	Thursday, June 30, 2022
04/01/2021	04/01/2022	Thursday, March 31, 2022	Friday, September 30, 2022
07/01/2021	07/01/2022	Thursday, June 30, 2022	Saturday, December 31, 2022
10/01/2021	10/01/2022	Friday, September 30, 2022	Friday, March 31, 2023
01/01/2022	01/01/2023	Saturday, December 31, 2022	Friday, June 30, 2023
04/01/2022	04/01/2023	Friday, March 31, 2023	Saturday, September 30, 2023
07/01/2022	07/01/2023	Friday, June 30, 2023	Sunday, December 31, 2023
10/01/2022	10/01/2023	Saturday, September 30, 2023	Sunday, March 31, 2024
01/01/2023	01/01/2024	Sunday, December 31, 2023	Sunday, June 30, 2024
04/01/2023	04/01/2024	Sunday, March 31, 2024	Monday, September 30, 2024
07/01/2023	07/01/2024	Sunday, June 30, 2024	Tuesday, December 31, 2024
10/01/2023	10/01/2024	Monday, September 30, 2024	Monday, March 31, 2025
01/01/2024	01/01/2025	Tuesday, December 31, 2024	Monday, June 30, 2025
04/01/2024	04/01/2025	Monday, March 31, 2025	Tuesday, September 30, 2025
07/01/2024	07/01/2025	Monday, June 30, 2025	Wednesday, December 31, 2025
10/01/2024	10/01/2025	Tuesday, September 30, 2025	Tuesday, March 31, 2026

*When this date falls on a weekend or a holiday, the Extension Request and Performance Assurance will be due on the last business day before the date noted.

Application Process

- Complete & Submit Application Form Online
 - For Eversource: www.eversource.com → Save Money & Energy → Renewable Energy Credits → Small ZRECs
 - For UI: www.uinet.com → Suppliers and Partners (lower portion of the webpage) → Power Procurement → Small ZREC Program
- Certifications, Affidavits and Disclosures
 - Application Certification Form – 4 pages including affidavit (mandatory)
 - LREC/ZREC CT Licensed Professional Engineer (PE) Certification (if applicable)
 - Pending CT Green Bank Grant and/or Rebate Disclosure Statement
 - “Incentive Application Denied” letter from CT Green Bank for Residential Projects
- The Companies’ online Application systems will acknowledge receipt of the Application via email
 - For Eversource: Email address tied to account used to submit the application, Primary Application Contact, and Alternate Application Contact will all receive confirmation emails
 - For UI: Primary Application Contact receives confirmation email

Applications – Eversource

- Application is filled out online
- Contains information needed for:
 - Submission verification
 - Completion of Service Agreement
 - Check and/or banking information is for payment for RECs under the Agreement only
- Additional form(s) (i.e. Certifications, Affidavits, “Incentive Application Denied” Letter, and/or Disclosures as applicable) will be required to be submitted as part of the application process
- Copy of customer bill now required as an attachment during step 6/6 of the Application
- **Double check and triple check to avoid errors which may invalidate the Application, or result in incorrect information on any resulting Service Agreement**

Applications - UI

- Online Application Form (link on UI's Small ZREC web page)
- Additional form(s) must be uploaded **as a single PDF file**:
 - Application Certification Form (REQUIRED)
 - Includes site owner affidavit (REQUIRED)
 - Now requires listing site address on site owner's affidavit and customer account number on bidder's certification
 - Customer Bill for site (REQUIRED)
 - PE Certification of average annual production (required if applying for different capacity factor)
 - CT Green Bank Denial Letter (required for applications at customer accounts with rate codes R or RT)
 - Pending CT Green Bank Grant and/or Rebate Disclosure Statement (only required if the site also has a solar PV system that received funding from CT Green Bank or predecessor)
- System will assign an Application ID number after submission (use this ID for communications)
- Double check and triple check to avoid errors which may invalidate the Application Form

Selection Process

- First come, first served
 - Based on date/time of application submission
 - 2 week window: all applications receive same date/time stamp
 - Random selection with OCC if oversubscribed during 2 week window if applicable
- Standby queue
 - If funding becomes available it will be allocated to the next application in the standby queue until the budget is committed
 - Applications in the standby queue expire when the Companies file their respective Procurement Plans Pursuant to Section 1.8 of the Rules and Process for Submitting Applications for Small ZREC Tariff

Step 2

How to Proceed if Your Application is Selected

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If Selected

- Step 1a: Execute Service Agreement
 - Utility will send you a Service Agreement via email
 - Must return two original signed copies by the due date, with Delivery Term Start Date selected, or application is disqualified
- Step 1b: Provide Performance Assurance
 - Performance Assurance due at the same time as the partially executed Service Agreement or it automatically terminates
 - Amount of Performance Assurance will be listed in the Service Agreement (5% of first year's projected revenue)

Sample Performance Assurance Calculation

- Example Calculation Performance Assurance (PA)
 - Using 50 kW example from slide 13
- Small ZREC Performance Assurance = 5% of Max Annual Payment
- Maximum Annual Payment * 5% = PA
- $\$7,268.04 * 5\% = \363.40

Performance Assurance

- Both companies have detailed instructions for how to successfully provide Performance Assurance posted on their websites
- Acceptable forms of Performance Assurance
 - **Due to COVID-19, the Companies will accept Performance Assurance via ACH or Wire only**
 - Cash in the form of an ACH or Wire
 - Please note that ACH payments take longer to process than Wire Transfers. Please plan accordingly for receipt by Company on or before the due date.
 - ACH and Wire instructions for sending Performance Assurance to either company are included on the Cover Sheet (i.e. bank account information)

Step 3

Post-Execution Obligations: How
to get from a Service Agreement
to Commercial Operation

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Prerequisites for REC Purchase

(Also refer to Article 4 of Service Agreement)

- Complete and Sign the Certification Statement for REC Delivery Acceptance (includes items listed below)
 - In service no later than 1 year after selected Delivery Term Start Date (10/1/19, 1/1/20, 4/1/20, 7/1/20)
 - Interconnection agreement required (to be discussed later)
 - NEPOOL GIS registration
 - CT Class I Qualification Approval from PURA
 - Must have dedicated REC meter (to be discussed later)

CT Class I Qualification Approval from PURA

- Section 5.1.5 of the T's&C's = it is the Seller's sole obligation to obtain CT PURA Class I Qualification
 - CT PURA rules require you submit a **separate application** to PURA for CT Class I Qualification after your project receives a final approval to energize
 - [PURA – CT Class I Qualification Application](#)
 - CT PURA will review Class I application, and upon approval, will grant CT Class I Qualification
 - Final PURA Decision must be provided by Seller to:
 - Buyer as listed on your Service Agreement
 - NEPOOL GIS

NEPOOL General Information System (GIS)

- Must set up GIS account or outsource GIS set up and maintenance
- NEPOOL GIS Designates respective Buyer as the Third Party Meter Reader
- Initiate Forward Certificate Transfer (FCT) of RECs
 - Must initiate for the full 15-year term of the Agreement based on the Delivery Term Start Date
- GIS rules are available from NEPOOL GIS (APX)
- Please visit the NEPOOL GIS website – www.nepoolgis.com
- See the following link for guidance on opening a new NEPOOL GIS account and registering a new generator: <http://www.nepoolgis.com/how-to/account/>

Prerequisites for REC Purchase

- Warning – If seller does not complete these steps:
 - Loss of revenue
 - Contract may be terminated

Project Size – Under 100 kW

- Pursuant to Section 3.3.1 of the Terms and Conditions:
 - **Any increase that results in a Facility size behind the REC Meter that exceeds the maximum limits for a small ZREC project allowable under the Small Class I Zero Emission Project Tariff shall result in immediate and automatic termination of this Agreement.**

Step 4

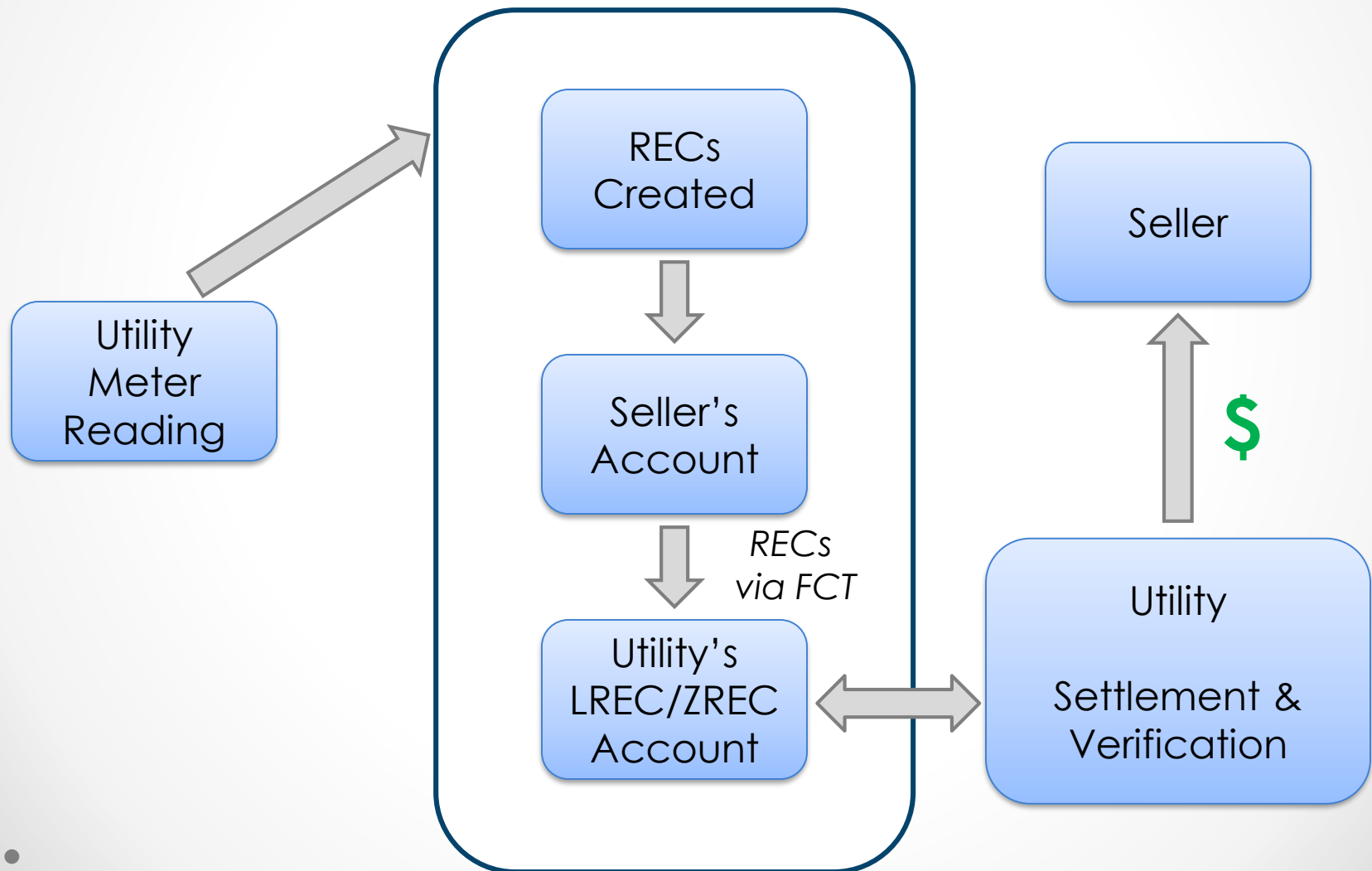
Service Agreement Administration: The 15 year Delivery Term

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Service Agreement Administration

- 15 year Agreement
 - Same rate, annual payments vary based on number of RECs delivered
- Companies will upload REC Meter Data
- NEPOOL GIS REC transfers constitute delivery
 - Forward Certificate Transfer
- Quarterly payments from Company to Seller on or before the last day of the month following receipt of RECs by Company via NEPOOL GIS

NEPOOL GIS



NEPOOL GIS Transfer Schedule

- Transfer of RECs in GIS
 - From Seller's account to the Utility's LREC/ZREC account
- Schedule of REC production, transfer and payment

Energy Generation Quarter	REC Meter Read Upload Deadline (Meter Data Uploaded by Eversource as the Third Party Meter Reader)	RECs Created Date	Payment Date (assuming RECs have been transferred to the LREC.ZREC account)
Q1 (Jan/Feb/Mar)	July 10	July 15	By August 31 st
Q2 (Apr/May/Jun)	October 10	October 15	By November 30 th
Q3 (Jul/Aug/Sep)	January 10	January 15	By February 28 th
Q4 (Oct/Nov/Dec)	April 10	April 15	By May 31 st

Other Agreement Provisions

- Assignment of the Agreement in accordance with Agreement Provisions is permitted
 - Please refer to Article 11
 - Requires Notice to Buyer
 - Buyer has 30 days to review and approve/reject
 - Note: Forms change often, please always use forms available on our Websites
- Excess REC options
 - Sell to 3rd party
 - “Bank” RECs to meet next year's MAQ

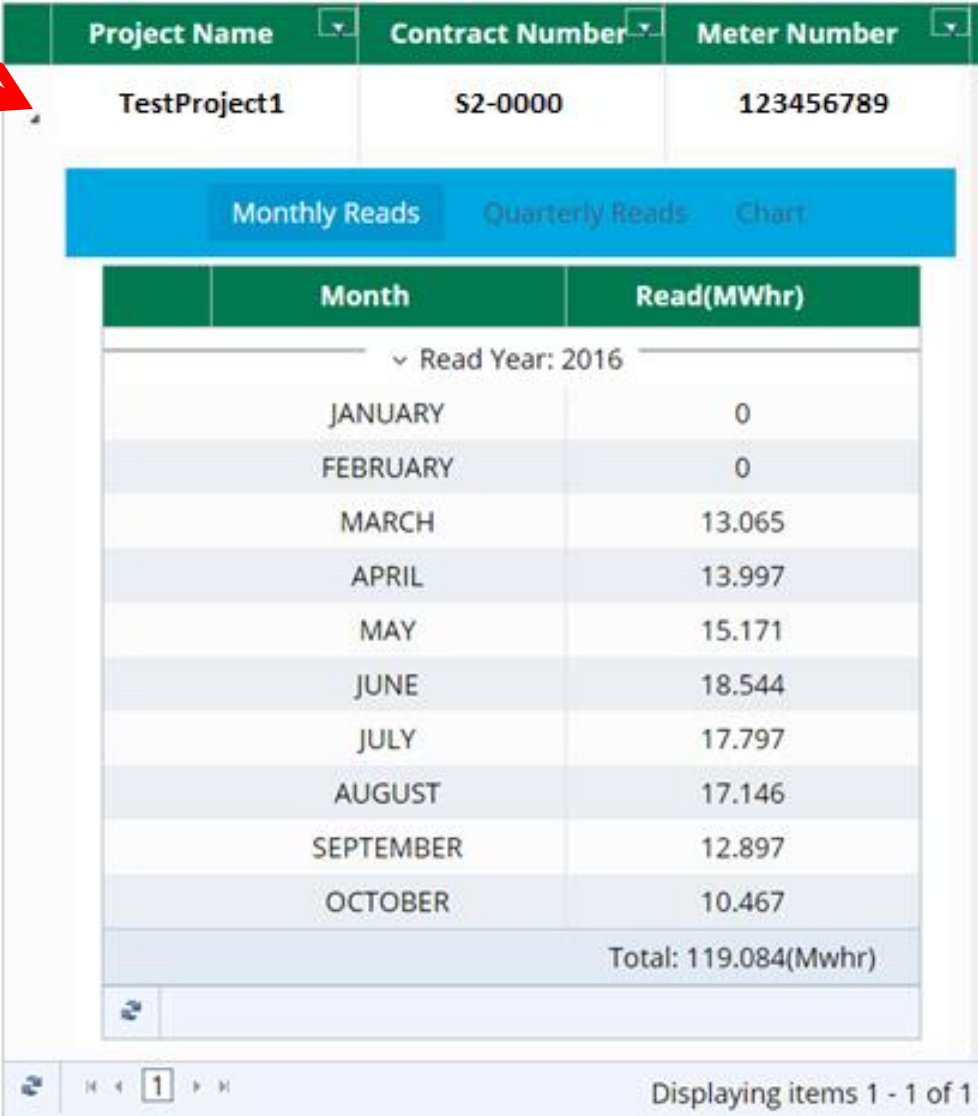
Eversource REC Meter Reads

- For Eversource customers, you may now register to view your REC meter reads online
 - If you would like to request to view REC meter reads for a given project, please return the completed [Request to View REC Meter Reads form to lrec.zrec@eversource.com](mailto:lrec.zrec@eversource.com).
 - To view REC meter reads you will need to click the "View REC Meter Reads" button at the bottom of the [Resources and Administration portion of our website](#).
 - You will use the login information submitted on the above form. Your User ID can be the same as an existing Eversource ID or the ID you use to submit REC bids and applications. You also have the option of creating a new User ID by clicking "Register Now" on the login page.
 - Once logged in, click the "View REC Meter Reads For Your Projects" button. Information for all projects where you are listed as an approved user will appear in the list. You will need to click the arrow to the left of the project you wish to view information for, shown below:

Eversource REC Meter Reads

REC METER READS

Click this
arrow to
view
monthly
reads



Project Name	Contract Number	Meter Number
TestProject1	S2-0000	123456789

Monthly Reads	Quarterly Reads	Chart

Month	Read(MWhr)
Read Year: 2016	
JANUARY	0
FEBRUARY	0
MARCH	13.065
APRIL	13.997
MAY	15.171
JUNE	18.544
JULY	17.797
AUGUST	17.146
SEPTEMBER	12.897
OCTOBER	10.467
Total: 119.084(Mwhr)	

Displaying items 1 - 1 of 1

Contact Email and Websites

- Please submit questions or requests to be added to our distribution lists:
 - Eversource = LREC.ZREC@eversource.com
 - UI = lrec.zrec@uinet.com
- Please visit LREC/ZREC Websites at:
 - Eversource: www.eversource.com → Save Money & Energy → Renewable Energy Credits → Small ZRECs
 - UI: www.uinet.com → About UI → Doing Business with UI → Power Procurement

ENERGY SAVINGS PLAN
SMART ENERGY SOLUTIONS @ ENERGYCONNECT
ENERGY EFFICIENCY WITH ENOCH
ENERGY SAVING FACTS
SEASONAL ENERGY SAVING TIPS
CHOOSE A SUPPLIER
E-SMART KIDS
RENEWABLE ENERGY CREDITS +
ELECTRIC VEHICLES



RENEWABLE ENERGY CREDITS

An Opportunity to Develop Renewable Generation in Connecticut Through the Low Emission Renewable Energy Credit (LREC) and Zero Emission Renewable Energy Credit (ZREC) Program.

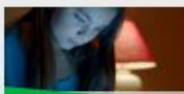
Electric customers of Eversource in Connecticut who install new, qualifying renewable energy projects – ranging from rooftop solar panels to fuel cells – now have an opportunity to sell the qualified Connecticut Class I renewable energy credits (RECs) created from their projects to Eversource under a long-term, 15-year contract.

The Eversource LREC/ZREC team can be contacted via email at lrec_zrec@eversource.com or U.S. Mail at:

Renewable Power Contracts
107 Selden Street
Berlin CT 06037

PROJECT SIZE AND APPLICABLE CATEGORY


Project Size	Category
≤ 100 kW (AC)	Small ZREC
> 100 kW (AC) and < 250 kW (AC)	Medium ZREC
≥ 250 kW (AC) and ≤ 1,000 kW (AC)	Large ZREC
Up to 2,000 kW (AC)	LREC



PROGRAM OVERVIEW

STATUS & OVERVIEW

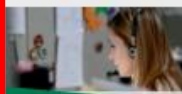
Background Information and current status of the LREC/ZREC program.



SUBMIT


BIDS & APPLICATIONS

Submit a bid or application to the Eversource LREC/ZREC program.




SMALL ZRECS

Information about the Small ZREC program for projects less than or equal to 100 kW.



LRECS, LARGE & MEDIUM ZRECS

Information about the LREC (up to 2,000 kW) and large/medium ZREC (greater than 100 kW but less than or equal to 1,000 kW) programs.



HELPFUL INFO

RESOURCES & ADMINISTRATION

Links to websites and documents related to the LREC and ZREC programs, as well as the administration of fully executed agreements.

Click here to access Small ZREC page – at bottom of page you will see this:

Key Documents for the Small ZREC Program:

- [View Small ZREC Informational Webinar Slides](#) (PDF)
- [Rules and Process for Submitting Applications for the Small ZREC Tariff](#) (PDF)
- [Small ZREC Application Certification Form](#) (PDF)
- [Small ZREC CT Licensed Professional Engineer \(PE\) Certification](#) (PDF)
- [Small ZREC Pending CT Green Bank Grant and/or Rebate Disclosure](#) (PDF)
- [Small Class I Zero Emission Project Tariff](#) (PDF)
- [Small Class I Zero Emission Project Tariff - Attachment 1: Service Agreement](#) (PDF)
- [Small Class I Zero Emission Project Tariff - Attachment 2: Terms and Conditions](#) (PDF)
- [Summary of Required Application Information](#) (PDF)

SUBMIT SMALL ZREC APPLICATION

Look here for important documents including our Q&A

Click here to Submit a Small ZREC Application

IN THIS SECTION

[PURA Decisions](#)

[Active RFPs](#)



[Public Disclosure](#)

[LREC/ZREC Program Information and Documents](#)

[Standard Service & Last Resort Service RFPs](#)

[Small ZREC Program](#)

[Year 9 RFP for LREC and ZREC](#)

[Year 1 RFP for SCEF](#)

[RFP for Combined Heat and Power Under Public Act 17-2](#)

SHARE

I want to:

Small ZREC Program

Small ZREC Tariff

Small ZREC projects (less than or equal to 100 kW AC) that meet program eligibility requirements are eligible to receive compensation for 15 years under UI's tariff without participating in the competitive solicitation process required of projects larger than 100 kW AC. Applications are processed on a first-come, first-served basis other than during the "two-week" window described in the Rules and Process document.

LREC/ZREC program questions should be submitted to lrec.zrec@uinet.com

Interconnection applications and questions regarding the interconnection and metering of LREC and ZREC projects should be submitted to generator.connection@uinet.com

Year 9 and 10 Small ZREC

UI's proposed Year 9 and 10 Small ZREC tariff rate of \$96.97/ZREC is pending PURA approval.

On January 4, 2021 the available Year 9/10 Small ZREC budget will be \$1,964,101.00.

The Year 9/10 Small ZREC Application portal will open on 1/4/21 at 1 pm.

UI will continue to accept Applications and award Service Agreements for the Year 9/10 Small ZREC Program until the earlier of 1) UI committing all Year 9/10 Small ZREC funding; Or 2) January 1, 2022.

Small ZREC Application Portal

uinet.com/SmallZREC/welcome

Click here to Submit a
Small ZREC Application

UI Small
ZREC
Program

Distributed Energy Resources Interconnection Process

EVERSOURCE



James Cerknowicz, Eversource

Overview

- Eversource & UI follow the same process & technical guidelines with slight differences in implementation
- Standard Guidelines & Agreements are approved by the Public Utility Regulatory Authority (PURA)
- Purpose of Guidelines and Standards
 - To safely and reliably interconnect distributed generation
 - To identify the impact a Distributed Energy Resource (DER) may have on the Distribution System
 - To identify, communicate and implement costs and requirements to mitigate system impacts caused by the DER Interconnection

Interconnection Documents

Eversource Energy
The United Illuminating Company
Docket No. 03-01-15RE04

Guidelines for the Interconnection of Residential
Single Phase Certified Inverter-Based Generating
Facilities of
20 kW (ac) or Less

April 5, 2019

1

Eversource Energy
The United Illuminating Company
Docket No. 03-01-15 RE04
Compliance Order No. 1
April 5, 2019

EVERSOURCE ENERGY
EVERSOURCE

THE UNITED ILLUMINATING COMPANY



Guidelines for Generator Interconnection

Fast Track and Study Processes

April 5, 2019

Excluding Inverter Based Projects 20 kW and Less

EVERSOURCE

Eversource Energy

and



**The United Illuminating
Company**

Exhibit B - Generator Interconnection Technical Requirements

April 5, 2019

ONLINE APPLICATION FORM 

EVERSOURCE

 PowerClerk®

Welcome, James Cerkanowicz | [Log Out](#)

[HOME](#) [PROGRAM DESIGN](#) [ADMIN](#) [SETTINGS](#) [SUPPORT CENTER](#)



Interconnection Application

Saved ✓

1

Customer Information


2

Applicant


3

Contractor/Installer
Information




Type of Installation * 

- ☒ New DG system with existing Eversource account
- ☐ Adding on to existing DG system with existing Eversource account
- ☐ New Interconnection without Eversource account

Billing Account Number (51xxxxxxxx) * 

Meter Number *

Billing Account Zip Code * 

Please click on the Retrieve Customer Information button below to get Eversource customer information.

[Retrieve Customer Information](#)



An AVANGRID Company

Applications

INTERCONNECTION APPLICATION

Interconnection Customer (EDC Customer of Record)

Customer of Record: _____
Contact Person: _____
Facility Address: _____
City: _____ State: _____ Zip: _____
Telephone (Day): _____ (Evening): _____
Fax: _____ E-Mail Address: _____
Account Number: _____
Meter Number: _____

*Authorized Agent

Company Name: _____
Contact: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone (Day): _____ (Evening): _____
Fax: _____ E-Mail Address: _____

*If Authorized Agent fields are entered, please complete the Agent Authorization Form.

Ownership Information (Owner of the Generating facility):

Company Name: _____
Contact: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone (Day): _____ (Evening): _____
Fax: _____ E-Mail Address: _____

ATTACHMENT I INTERCONNECTION REQUEST

EDC: _____
Designated Contact Person: _____
Address: _____
Telephone Number: _____
Fax: _____
E-Mail Address: _____

An Interconnection Request is considered complete when it provides all applicable and correct information required below. Documentation of site control must be submitted with the Interconnection Request.

Preamble and Instructions

A Generator which requests Interconnection must submit this Interconnection Request by hand delivery, mail, e-mail, or fax to the EDC.

Processing Fee or Payment:

Table 1 Fees			
Process	Generator Applicability*	Application Fee	Each Study Fee
Fast Track	0-2MW	\$500	Actual Cost Based
Study	(1) is larger than 2 MW but no larger than 20 MW, (2) is 2 MW or less and is not certified, or (3) is 2 MW or less and is certified but did not pass the Fast Track Process or the 10 kW Inverter Process.	\$1000	Actual Cost Based

ATTACHMENT I INTERCONNECTION REQUEST

Each Generating Facility will have a One Line Diagram submitted and secured as an Attachment to the Interconnection Request (Attachment D). A one line electrical schematic is a diagram, drawing, or sketch that details the elements of a generating system, such as the elements of an electrical or electronic circuit or the elements of a logic diagram for a generator.

Generating Facility Information

Legal Name of the Generator (or, if an individual, individual's name)

Name: _____

Contact Person: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Facility Location (if different from above): _____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Alternative Contact Information (if different from the Generator)

Contact Name: _____

Title: _____

Address: _____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

APPLICATION IS FOR:

New Generating Facility? Yes ___ No ___

Capacity addition to or Material Modification of an existing Generating Facility:

Yes ___ No ___

Commencement of participation in the wholesale markets by an existing Generating Facility:

Yes ___ No ___

A complete application package can be mailed to:

United Illuminating Company
Distributed Generation--MS: AD-2C
180 Marsh Hill Rd
Orange, CT 06477

You may email electronic copies of the required documentation to generator.connection@uinet.com but be sure to mail the payment and signed application to the address listed above.

The application package cannot be entered into UI's project queue without a complete signed interconnection application and payment.

Three Application Tracks

- Level 1/Simplified/Basic Process:
Residential, single-phase, certified inverter based projects, ≤ 20 kW
- Level 2/Advanced/Fast Track Process:
 - Commercial projects and residential inverter based generation > 20 kW
 - All projects ≤ 2 MW that are not eligible for the simplified process
- Level 3/Over 2MW/Study Process:
projects > 2 MW (up to 20MW) & projects that fail the Fast Track process

Key Attributes

Process	AC Rating	Initial Technical Screen (Business Days)	Application Fee	Witness Test Fee	General Liability Insurance Requirement	Inter-Connection Agreement Required?
Level 1	0-20 kw	15	\$200	0 1 st Test	None	No
Level 2	0-2 MW	15	\$500	Cost Based	\$300,000 to \$2,000,000	Yes
Level 3	>2 MW and <20 MW	Varies	\$1000	Cost Based	Generator Size Dependent	Yes

- Level 2 projects which do not pass the initial Fast Track technical screens may require additional studies
- ISO-NE notification form for projects ≥ 1 MW (submitted by utility)
- ISO-NE transmission impact studies required for projects ≥ 5 MW (cost, scope & timeline varies)

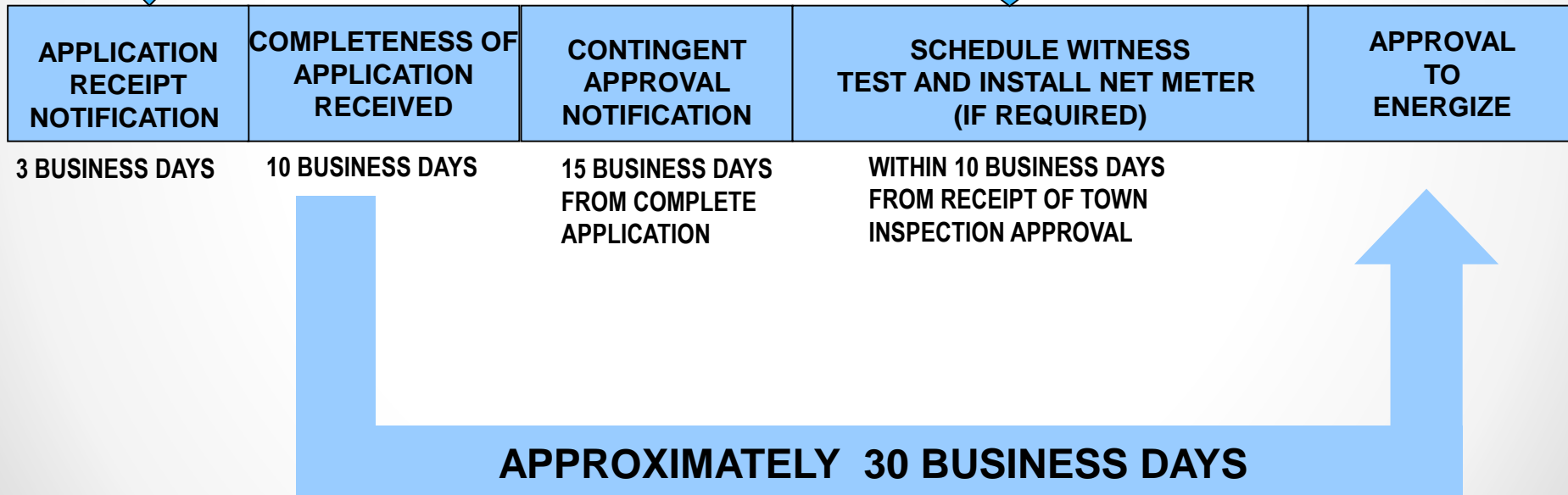
Level 1 Process

Submit Application

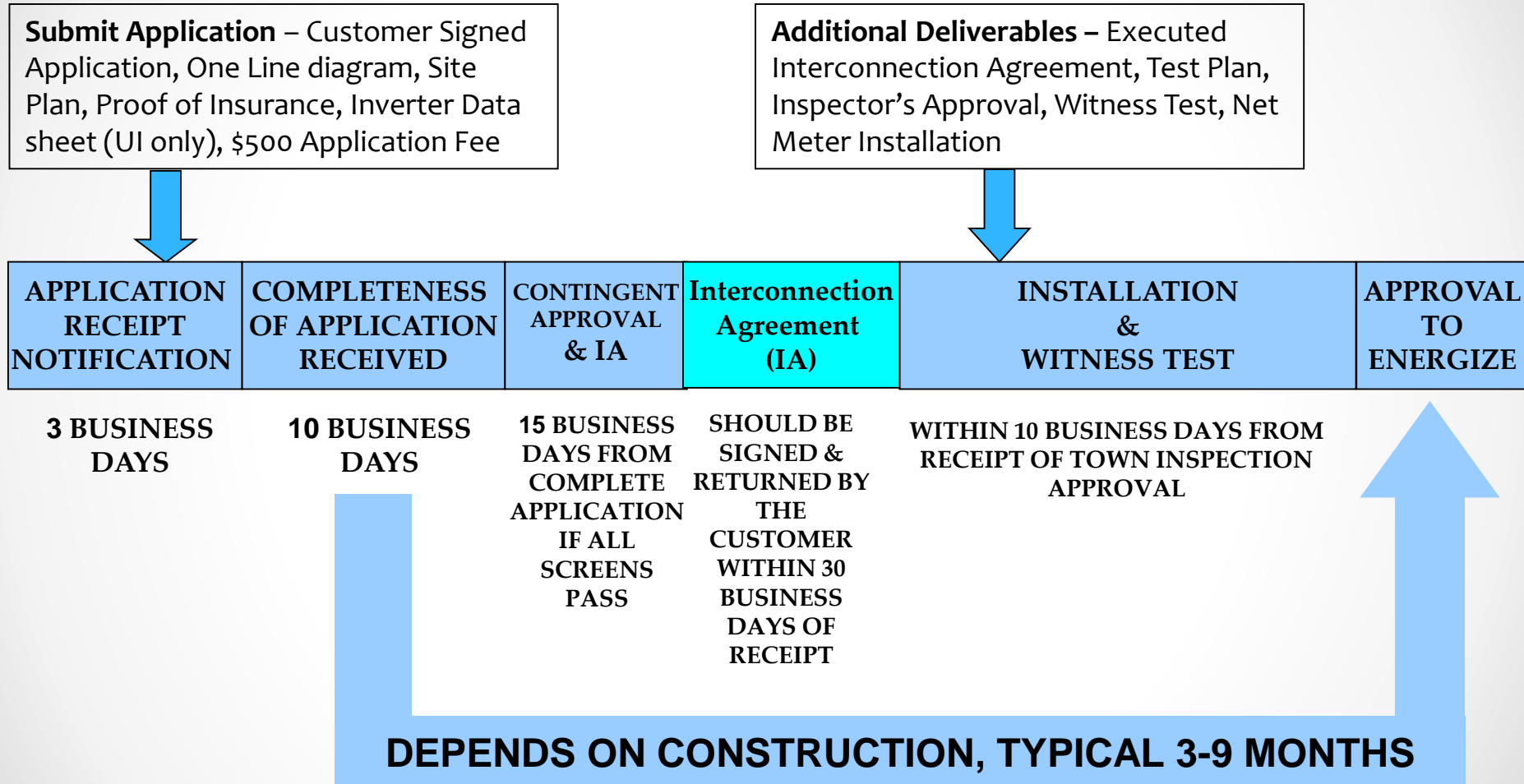
- Customer Signed Application, One line diagram, Site Plan, Inverter Data sheet (UI only), \$200 Application Fee

Additional Items

- Test Plan for battery operated inverters
- Inspector Approval
- Witness test (if required)
- Install Net Meter (if applicable)



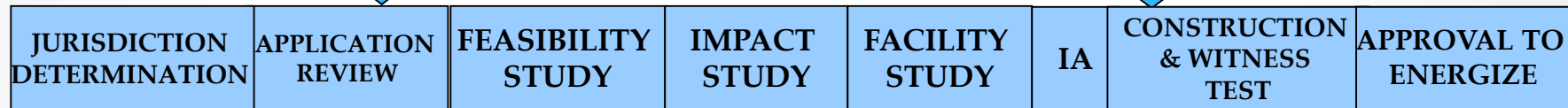
Level 2 - Fast Track Process



Level 2 Study and Level 3 Process

Submit Application – Customer Signed Application, One Line diagram, Site Plan, Proof of Insurance, Generator Data Sheet, \$1,000 Application Fee

Additional Deliverables – Executed Interconnection Agreement, Test Plan, Inspector's Approval, Witness Test, Net Meter Installation



15
BUSINESS
DAYS

APPROX.
30
BUSINESS
DAYS

APPROX.
30
BUSINESS
DAYS

APPROX.
30
BUSINESS
DAYS

VARIES BY PROJECT COMPLEXITY, TYPICAL 6-24 MONTHS

Keys to a Successful Interconnection

Typical for Behind the Meter Connections

- Current & accurate customer account information
- Submission of application fee
- Return of customer signed application form
- Line diagram that:
 - accurately depicts existing or proposed meter & service configuration
 - matches generation equipment listed on application
 - shows compliant point of connection,
 - meets technical requirements
 - meets utility specific requirements
 - Clearly identifies REC meter socket, with proper wiring configuration
- Site plan that clearly identifies:
 - Location of the utility meter
 - Location of the external AC disconnect switch (exterior, ground level, accessible)
 - Location of the REC meter socket (exterior, ground level, accessible)
- Timely signature & return of approval documents (CA & IA)
- Town inspection approval
- Completion of final testing requirements
- When communicating with Eversource or UI, ALWAYS refer to the unique Application ID number in the subject line of all emails

Keys to a Successful Interconnection

Typical for Large Scale Systems on New Service

- All other items on previous slide, plus:
- Utilize hosting capacity maps prior to submission
- New service design that meets utility's standards
- Accurate depiction of proposed path for new service
- Timely signature & return of all agreements and payments
 - IMPACT STUDIES
 - INTERCONNECTION AGREEMENT
 - SCHEDULE OF PAYMENTS AND MILESTONES
 - ADDITIONAL FACILITY STUDIES/TRANSMISSION STUDIES/ DETAILED ENGINEERING
 - EVERSOURCE PROCUREMENT AND CONSTRUCTION FEES
- Be aware of easements and follow the process closely
- Clear, frequent communication to project manager on status of project development on customer side

Interconnection Documents needed for REC Program

For Acceptance of REC Delivery Applications Behind New Service

- Receipt of Application Email (required for new services only)

For REC Delivery Acceptance of an Executed REC Contract

- Fully executed Interconnection Agreement (signed by all parties)
- Permission to Operate Letter (must be effective prior to REC contract termination date)

Additional resources and guidance for a successful interconnection

Eversource DER website:

www.eversource.com/content/ct-c/about/about-us/doing-business-with-us/builders-contractors/interconnections/connecticut-application-to-connect

UI Distributed Generation website:

www.uninet.com, under “Smart Energy”, then “Innovation”, click on “Distributed Generation”

For questions on specific applications after submission, please contact the Eversource or UI representative that is assigned to your application.

For general interconnection questions please contact:

- Eversource: CTDGE@eversource.com
- UI: generator.connection@uinet.com

Thank You !

James Cerknowicz- Eversource DER
Interconnections Team

james.cerknowicz@eversource.com

LREC/ZREC Metering Requirements

• • •

Gregory M. Pivin, Eversource

Christie Prescott, UI

Eversource REC Metering

Topics of Discussion

- Contact information
- Approved REC meter table
- Self-contained REC metering circuits
- Instrument transformer rated rec metering circuits
- Interval Recording Meters
- REC validation form

Eversource REC Metering Information

- REC metering info: [MPREC Document](#) is located on the [Resources and Administration portion of Eversource LREC/ZREC Webpage](#)
- Questions: meterengineering@eversource.Com

Eversource Approved REC Meter Types

FORM	METER TYPE	CLASS	COMMUNICATIONS TYPE		
GROUP A					
2S, 12S, 16S	ERT meter w/ REGISTER READS	20/200/320	Monthly read ERT		
2S, 4S*, 5/35S*,9S*, 12S, 16S	INTERVAL RECORDING	20/200/320	CELLULAR		Interval Recording is required for IT- rated services Required, if there is no cellular service at meter site.
5/25S* 9S*, 16S	INTERVAL RECORDING	20/200/320	Ethernet		
GROUP B					
5/35S*,9S**	ION 8650 C	PROVIDED DURING REVIEW	Ethernet / 4G LTE	Ion S1 Package includes: ETHERNET/4G LTE	
* INSTRUMENT TRANSFORMER RATED FORM TYPES (CTs AND/ OR VTs REQUIRED)					
Facility Size			Meter Group		
LEVEL 1	0.0 < 20.0kW		A (Self-Contained – 2S, 12S, 16S)		
LEVEL 2	>= 20.0 to < 50 kW		A (Self-Contained – 2S, 12S, 16S)		
LEVEL 3	>= 50.0 to < 100 kW		A (Any service > 320A requires IT metering)		
LEVEL 4A	>= 100 kW to < 1000 kW		A (Any service > 320A requires IT metering)		
LEVEL 1	0.0 < 20.0kW		A (Self-Contained – 2S, 12S, 16S)		

Eversource Self Contained Single & Three Phase

Circuit description and overview:

- Single phase, 120 / 240 volt (form 2s, 3 wire, class 200 & 320, 4 terminal meter socket)
- Three phase, 120 / 208 volts or 277 / 480 volts (form 16s, 4 wire wye, class 200 & 320, 7 terminal meter socket).
- Contact Eversource DG project manager to purchase REC meters through Eversource.
- Eversource reads REC meter with drive by AMR technology
- REC meters are preferred to be located at higher secondary voltages
- REC meter are required to be located behind the utility AC disconnect switch, outside customers facility on the ground level.

What is required:

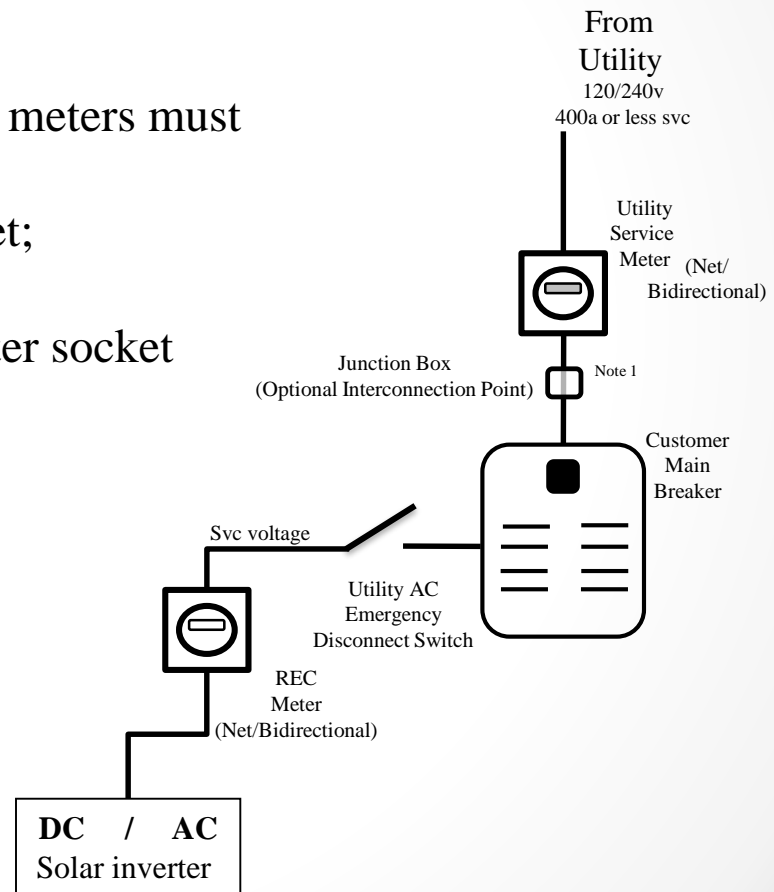
- Three line drawing showing the type of meter socket, wired **top side utility bottom side inverter**.
- Site plan clearly showing rec meter outside customer's facility on the ground level preferably facing the street and near the utility ac emergency disconnect switch.

Eversource Self Contained Single & Three Phase

Wiring the Meter Socket

Utility PV Generation and the Utility Storage meters must be wired with Utility feed to the top of the Meter socket;

Solar panels/Inverter to the bottom of the meter socket



Eversource Instrument Rated Single & Three Phase

Circuit description and overview:

- Single phase, 120 / 240 volt (form 4s, 3 wire, class 20)
- Three phase, 120 / 208 volts or 277 / 480 volts (form 9s, 4 wire wye) or (form 5s, 3 wire delta)
- Voltage transformers required for all 277 / 480 volt circuits
- Instrument rated metering is required when the generation exceeds 320 amps
- Contractor needs to purchase & install meter socket with test switch: 6 terminal single phase socket, and / or 8 or 13 terminal three phase socket
- Current transformers required, 0.3 % minimum accuracy at full load, with lowest ratio and highest rating factor (RF). Single ratio solid core transformers only.
- Verify metering current transformers' shunts are in the open position
- REC meter are required to be located behind the utility AC disconnect switch, outside customers facility on the ground level.
- Contact your Eversource DG project manager to obtain REC meter & payment info

What is required:

- Three line drawing showing REC metering with current and voltage transformer ratios clearly labeled - current transformer polarity marking pointing towards generator
- Current and voltage transformer cut sheet, with ratios clearly highlighted
- Site plan clearly showing REC meter outside customer's facility on the ground level, near the utility AC emergency disconnect switch.

Interval Recording Metering

- Customers are required to have interval recording meters underneath the following conditions
 - (1) systems utilizing natural gas
 - (2) systems that exceed 320 amps
- Circuit designs are defined by the output of the generation.
- REC meters are prefeed to be located at higher secondary voltages
- REC meter are required to be located behind the utility AC disconnect switch, outside customers facility on the ground level.
- All electrical compartments are required to be locked.
- Questions regarding REC circuit designs please contact your Eversource project manager

Eversource Validation Requirements

- **AFTER THE REC METER IS INSTALLED AND THE SYSTEM IS ON-LINE AND GENERATING, THE PROJECT REP MUST SEND AN EMAIL TO meterengineering@eversource.Com**
- The email subject header must include the following information related to the project:
 - Name
 - Address
 - Contract number
- (a) for rec meters read via **ert** (van drive-by), there are two options for validation requirements:
 - Fill out and sign the “I/z rec meter validation form”.
 - Provide a picture of rec meter’s display id10 with arrow pointing to the right.
- (b) for rec meters with **cellular, modem, or ethernet** communications, after the rec meter is installed and the system is on-line and generating, the project rep must send an email to meterengineering@eversource.Com

THANK YOU !

UI

Metering Requirements

- All installations must follow the “UI Guidebook of Requirements for Electric Service”.
- All installations must follow the “Guidelines for Interconnection”.
- Installations shall meet published requirements for accessibility and location.
- Multiple provisions/cabinets may be required
- Requirements for multiple provisions/cabinets will be made by UI staff during early design meetings with installers.
- If the customer participates in Net Energy Rider, additional metering may be required

UI

Cost Responsibilities

- UI will own, install, read and maintain all meters and metering transformers within its service territory.
- Program participants, at their cost, will provide approved meter provisions and, if needed, instrument transformer cabinets.
- Seller's electrician is responsible for proper wiring of the meter socket (This has been an issue for some projects, which can result in lost revenues)
- [UI LREC/ZREC Metering Requirements](#) document located on UI LREC/ZREC webpage.

UI

Metering Information

- LREC/ZREC meters will be located after any inverters and before any load
- Power storage equipment (battery bank and charger) must be located between the generator and the inverter
- Installations with power storage equipment will be net energy measured
- Revenue meter data will be provided monthly to customers, including Net Energy, pursuant to customer's tariff
- UI will provide monthly LREC/ZREC meter data to NEPOOL GIS for determination of RECs generated

Thank You

- Submit questions after the webinar to the Companies via email:
 - LREC.ZREC@eversource.com
 - LREC.ZREC@uinet.com
- Key Documents:
 - [Eversource Small ZREC Tariff](#)
 - UI Small ZREC Tariff (coming soon)
 - Service Agreement and Terms and Conditions are available under “Key Documents” on [Eversource Small ZREC webpage](#)
 - [Acceptable Forms and Methods of Providing Performance Assurance](#) (Eversource)
 - [Q&A](#)
 - [Overview of the LREC/ZREC Program](#)
- Year 9/10 Small ZREC program will remain open until either the available funding is fully committed, or December 31, 2021, whichever occurs first.

ATTENTION:

- The following slides regarding Rates and Riders for Customers with Distributed Generation are included below **for your information only**, and will not be discussed during today's presentation as the appropriate parties were not available to speak to them
- All questions regarding Net Metering/Virtual Net Metering should be emailed directly to:
 - Eversource: James.Mierzejewski@Eversource.com
 - UI: Mark.Colca@uinet.com

Rates and Riders for Customers with Distributed Generation (Net Metering/Virtual Net Metering)

Electric Service Rates and Riders

- Electric distribution company customers hosting a distributed generation (DG) project receive electric service under an applicable general service rate and may be eligible for a number of rate options:
 - Net Energy Billing
 - Distributed Generation Rider
 - Virtual Net Metering
 - Power Purchase

Net Energy Billing ("Net Metering")

- Two Net Energy Billing Riders
 - Qualifying Facilities and Non-Class I Renewable Resources
 - Class I Renewable Energy and Hydropower Resources
 - Customers with Class I renewable energy or hydropower resources
 - Up to 2,000 kW nameplate capacity
 - Billing based upon customer's electric service tariff
 - Net energy billing and "banking" of excess net energy production (kilowatt-hours or kWh) performed monthly
 - Annual end-of-period credit for any unused banked kWh
 - Riders
 - Eversource: "Rider N - Class I Renewable or Hydroelectric"
 - UI: "Class I Renewable Energy Rider NEC1" (Rider NEC1)

Net Energy Billing (continued)

- Customers with Class I renewable energy or hydropower resources (continued)

Additional Details:

- Annual Banking and Credits
 - Two annual banking periods: April to March and October to September (added in Docket No. 15-09-03)
 - At the end of each annual period (customer choice March or September):
 - Any unused, banked kWh will be “purchased” at the average ISO-NE CT Zone real-time locational marginal price (“LMP”) of that period
 - Purchase Price
 - PV: Average annual LMP (all hours between 10 am and 4 pm)
 - Other resources: Average annual LMP (all hours)
 - Bank reset to zero kWh

Net Energy Billing (continued)

- Qualifying Facilities and Non-Class I Renewable Resources
 - Nameplate capacity of up to
 - 50 kW Qualifying Facilities
 - 500 kW Non-class I Renewable Resources
 - Billing based upon customer's electric service tariff
 - Net energy billing performed and credit applied for excess energy delivered to EDC on a monthly basis
 - Pricing based on power purchase schedule
 - Riders
 - Eversource: "Rider N – Non-Class I Renewable and QF"
 - UI: "Distributed Generation Facility Net Energy Rider NE" (Rider NE)

Distributed Generation Riders

Electric DG Rider

- Applicable to customers who receive electric service under a firm service rate that includes a distribution demand ratchet
- Subject to enrollment and qualification requirements
- Provides for waiver of the distribution demand ratchet
- Applicable rate schedules:
 - Eversource: Distributed Generation Rider
 - UI: Rider DG

Gas DG Delivery Rebate Rider

- Available to customers under specified gas service rates
- Subject to enrollment and qualification requirements
- Rebate delivery service charges for supply of gas to the customer's DG system
- Comparable rate schedules for CNG, SCG and Yankee Gas

Virtual Net Metering (VNM)

- VNM rider is available to Agricultural, Municipal and State of Connecticut customers
- A number of changes to the program have occurred since inception
 - Final Decision under Docket No. 13-08-14 issued July 21, 2014
 - Program specifications
 - Final Decision under Docket No. 13-08-14RE01 issued December 17, 2014
 - Reopened to address implementation for “stand alone” VNM facilities
 - Established calculation of VNM credits for all Customer Host facilities
 - Final Decision under Docket No. 13-08-14RE02 issued December 2, 2015
 - Eliminated Unassigned VNM Credits that were carried to end of year
 - All VNM credits now allocated each month to beneficial accounts without carrying over to following months
 - Final Decision under Docket No. 15-09-08 issued February 3, 2016
 - Agriculture ownership structure of VNM facility
 - Final Decision under Docket No. 13-08-14RE03 issued October 26, 2016
 - Commercial Operation time period and Agriculture Host documentation

Virtual Net Metering Program Features and Implementation

- Annual VNM Credits
 - The maximum, aggregated annual compensation to all customers under the VNM program is \$2 million for UI and \$8 million for Eversource
 - Additional allocation of \$6 million (\$1.2 UI, \$4.8 Eversource) available for Municipal Hosts who submitted an interconnection and VNM application on or before April 13, 2016
 - Additional allocation of \$3 million (\$0.6 UI, \$2.4 Eversource) available for Agricultural Customer Hosts utilizing an anaerobic digestion Class I renewable energy source
 - Individual Customer Host annual cap based on estimated excess kWh production and rates in effect at time of application
 - When an individual Customer Host annual cap is reached in a calendar year, net energy billing continues and all excess kWh produced is compensated under the applicable power purchase rate for the remainder of the year
- Application Process, Queuing and Program Caps
 - VNM application made after applying for generator interconnection
 - 12 months to place project in service; two sequential 6-month extensions (refundable fee) available
 - Individual, sector and company queues evaluated on basis of individual customer VNM credit caps

Virtual Net Metering Program Features and Implementation (Continued)

- VNM Facilities up to 3 MW Class I (all) or Class III (Municipal & State)
 - **Municipal or State Customer Hosts** fully own, lease or be under L-T contractual arrangement for receipt of power from VNM facility
 - **Agricultural Customer Hosts** fully own, or holds an equity interest in a special purpose entity (SPE) that owns the VNM facility
- Net Exported kWh
 - Amount of excess kWh delivered by the Customer Host to the electric distribution system
 - Equal to the total kWh exported by the Customer Host to the distribution system less the total kWh imported by the Customer Host from the distribution system over a monthly billing period
- VNM Credit Determined Monthly
 - $\text{VNM Credit} = (\text{Net Exported kWh}) \times (\$S \text{ or LRS} + \% T \ \& \ D \text{ rates of Customer Host})$
- Allocations of VNM Credits to Beneficial Accounts
 - **Municipal & State Beneficial Accounts:**
 - Up to 5 Municipal or State, respectively, plus
 - Up to 5 respective non-Municipal or non-State Critical Facilities connected to Microgrid
 - **Agricultural Beneficial Accounts:**
 - Up to 10 consisting of Agricultural, Municipal or non-commercial critical facilities connected to Microgrid

Power Purchase Rates

- Available to any self-generation facility not under long-term electric purchase agreement
- Purchase of electricity delivered to EDC
- Energy (kWh) only
- Pricing based on ISO-NE CT Zone Real-Time LMP
- Applicable rate schedules:
 - Eversource: Rate 980
 - UI: Power purchased at SG2 rate (energy component of LMP only)

Questions?

For Rates, Net Metering, Virtual Net Metering
Questions, please contact:

- Eversource: james.mierzejewski@eversource.com
- UI: mark.colca@uinet.com