

# Central Hudson Solar Summit VII

March 9, 2017

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# Welcome and Introduction

**John Maserjian, Director of Media Relations  
Central Hudson Corporate Communications**



# **NYSSIR Updates – Application Process / Technical Screens**

**Alvina Mehreen, Jr. Engineer**

**Tony Anchante, Engineering Technician**

**Central Hudson Electric Distribution Planning**

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# Topics of Discussion

- Interconnection Applications
- Technical Screens
- Timelines
- Common Mistakes





# Interconnection Applications (less than 50kW)

- Required Documents for Preliminary Approval:
  - Signed copy of standard contract (App A)
  - Standard Application Form (App B)
  - Wiring diagram
    - 3 Line for 3-phase
    - 1 Line for single phase
  - Inverter specs sheet
  - Blank copy of the verification test form
  - Letter of Authorization (if applicable)
- Required Documents for Final Approval:
  - Proof of passing inspection
  - Completed verification test



# Interconnection Timelines

- All timelines follow the SIR guidelines
- For applications less than 50 kW:
  - Up to 10 business days to be reviewed for preliminary approval
  - Up to 5 business days to review for final interconnection approval
    - **A net meter change must be requested AFTER the system has been built and BEFORE applying for final approval**

# Interconnection Applications greater than 50kW

- Required Documents:

- *Signed copy of standard contract (App A)*
- *Standard Application Form (App B)*
- *Wiring diagram*
  - *3 Line for 3-phase*
- *Inverter specs sheet*
- *Blank copy of the verification test form*
- *Letter of Authorization (if applicable)*
- *Site Plan*
- *NYS Standardized Acknowledgement of Property Owner Consent Form (If applicable)*

- \$750 Application fee

A large array of solar panels is shown in a field. The panels are blue with white grid lines, and they are arranged in rows that recede into the distance. The background shows green trees and a clear blue sky. The text is overlaid on the left side of the image.

# Technical Screens (Appendix G)

- **Screen A:** Is the PCC on a Network Secondary System?
- **Screen B:** Is Certified Equipment Used
- **Screen C:** Is the Electric Power System (EPS) Rating Exceeded
- **Screen D:** Is the Line Configuration Compatible with the Interconnection Type?
- **Screen E:** Simplified Penetration Test?
- **Screen F:** Simplified Voltage Fluctuation Test?





# Interconnection Timeline

- All timelines follow the SIR guidelines
- For applications over 50 kW:
  - Up to 10 business days to be reviewed for completion
  - Up to 15 additional business days for the technical review process

# Technical Review Issues

- Phasing at PV site
- Conductor size
- Voltage issues
- Protective devices
- Regulating devices
- DG in queue





# Areas of Improvement

- Detailed 3LD
  - Conductor
    - Conductor length
    - Conductor size throughout diagram
  - Transformer
    - 5 legged core
    - Effectively grounded (we like wye-grounded wye-grounded)
    - Taps

# Pre-Application (Appendix D)

## DG Project Information: (Provided to Utility by Applicant)

Customer name

Location of Project: (Address and/or GPS Coordinates)

DG technology type

DG fuel source/ configuration

Proposed project size in kW (AC)

Date of Pre-Application Request

## Pre-Application Report: (Provided to Applicant by Utility – 10 Business Days)

Operating voltage of closest distribution line

Phasing at site

Approximate distance to 3-Phase (if only 1 or 2 phases nearby)

Circuit capacity (MW)

Fault current availability, if readily obtained

Circuit peak load for the previous calendar year

Circuit minimum load for the previous calendar year

Approximate distance (miles) between serving substation and project site

Number of substation banks

Total substation bank capacity (MW)

Total substation peak load (MW)

Aggregate existing distributed generation on the circuit (kW)

Aggregate queued distributed generation on the circuit (kW)

A large array of solar panels is shown, extending from the foreground into the distance. The panels are blue with white grid lines. They are mounted on a grassy field. In the background, there are trees and a clear blue sky. The text is overlaid on the left side of the image.

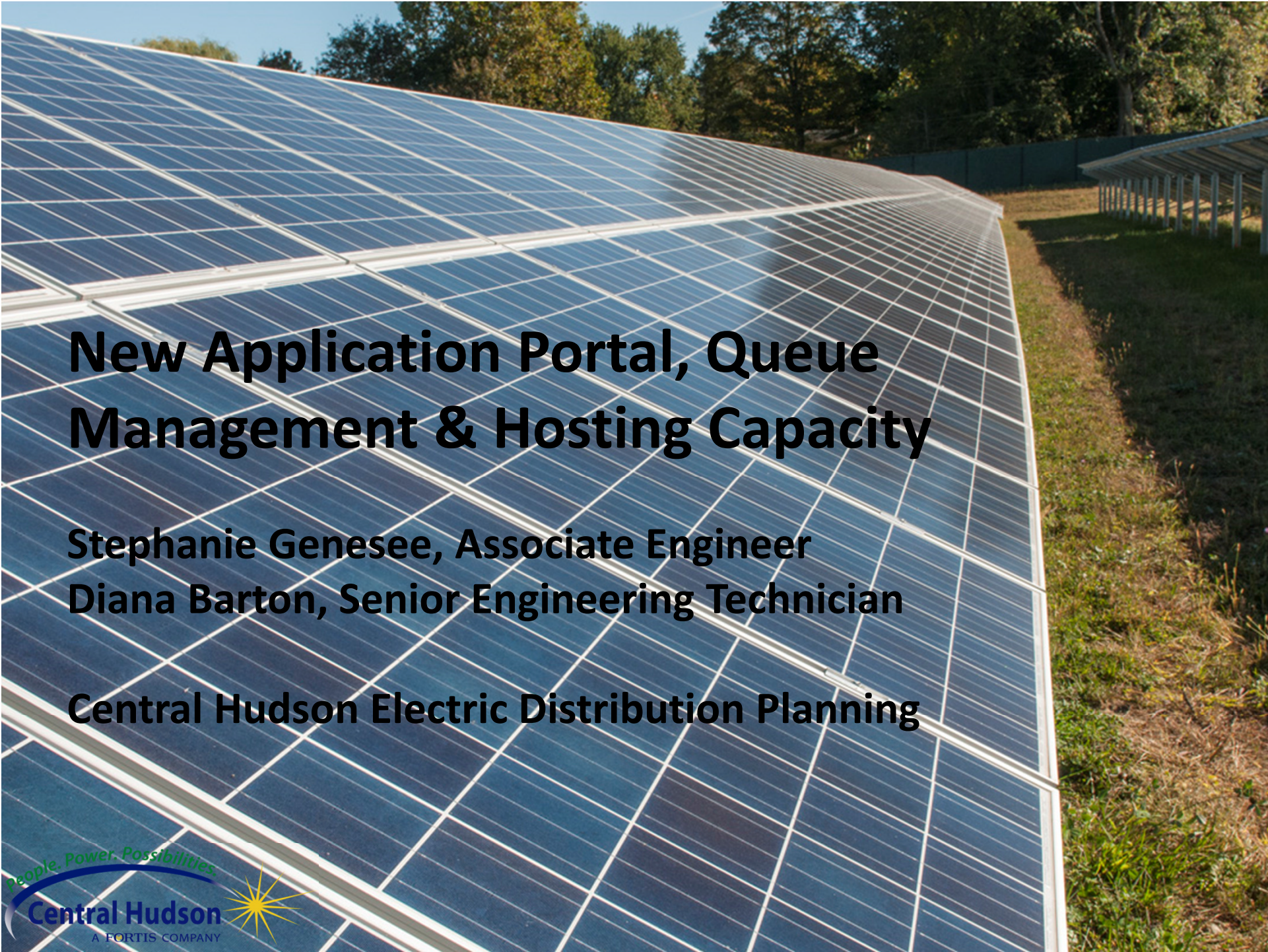
# Issues/Mistakes

- Discrepancies within documents
  - Site address
  - Account holder's name
  - System design
- Common delays
  - Transformer checks
  - System modifications after any approval
  - Verification test failure
  - Missing payment
  - Net meter installation

A large array of solar panels is shown, extending from the foreground into the distance. The panels are blue with white grid lines. They are mounted on a grassy field. In the background, there are trees and a clear blue sky. The text is overlaid on the left side of the image.

# Contact Information

- Central Hudson Customer Service  
845 – 452 – 2700
- Central Hudson Electric Distribution Planning  
845 – 486 – 5215  
[dg@cenhud.com](mailto:dg@cenhud.com)



# **New Application Portal, Queue Management & Hosting Capacity**

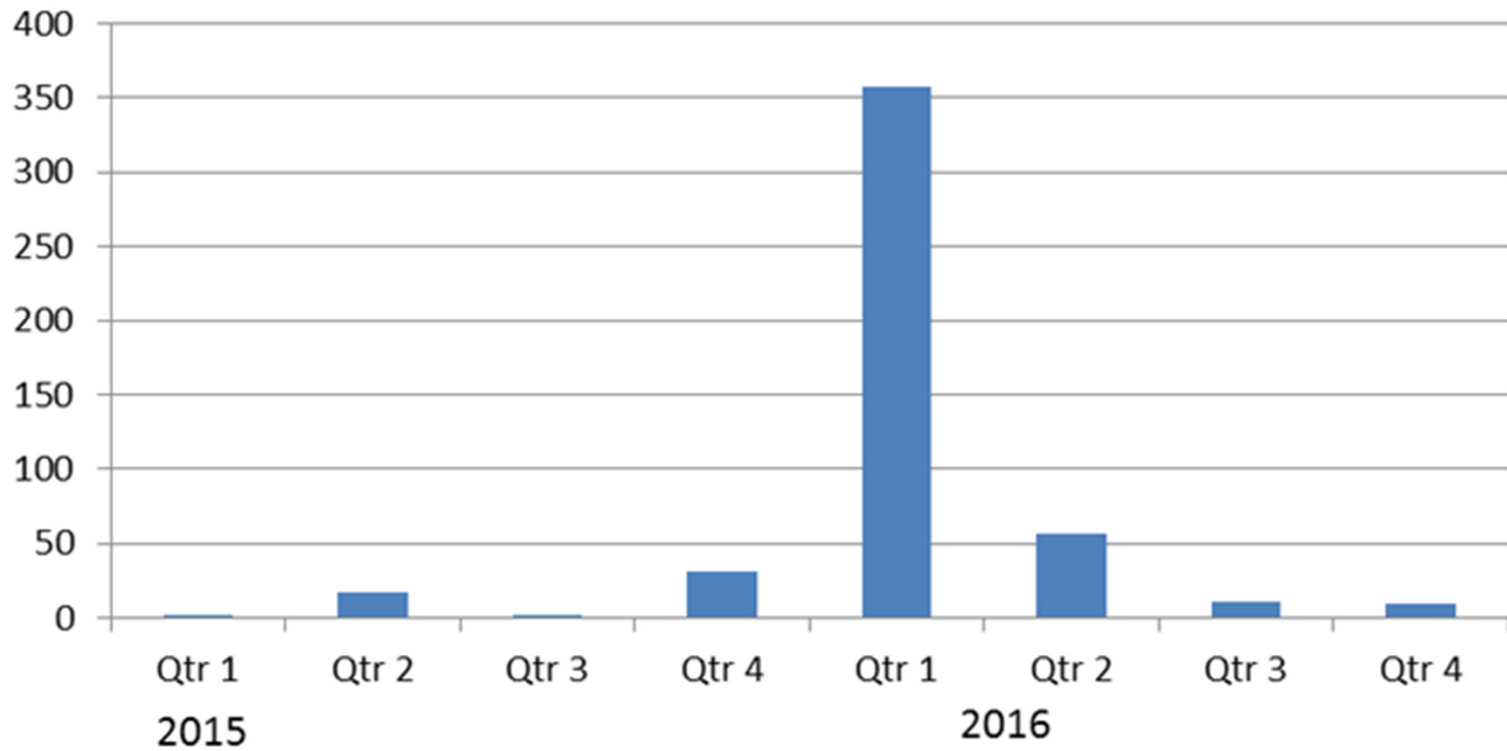
**Stephanie Genesee, Associate Engineer**

**Diana Barton, Senior Engineering Technician**

**Central Hudson Electric Distribution Planning**

# Bottleneck of Applications

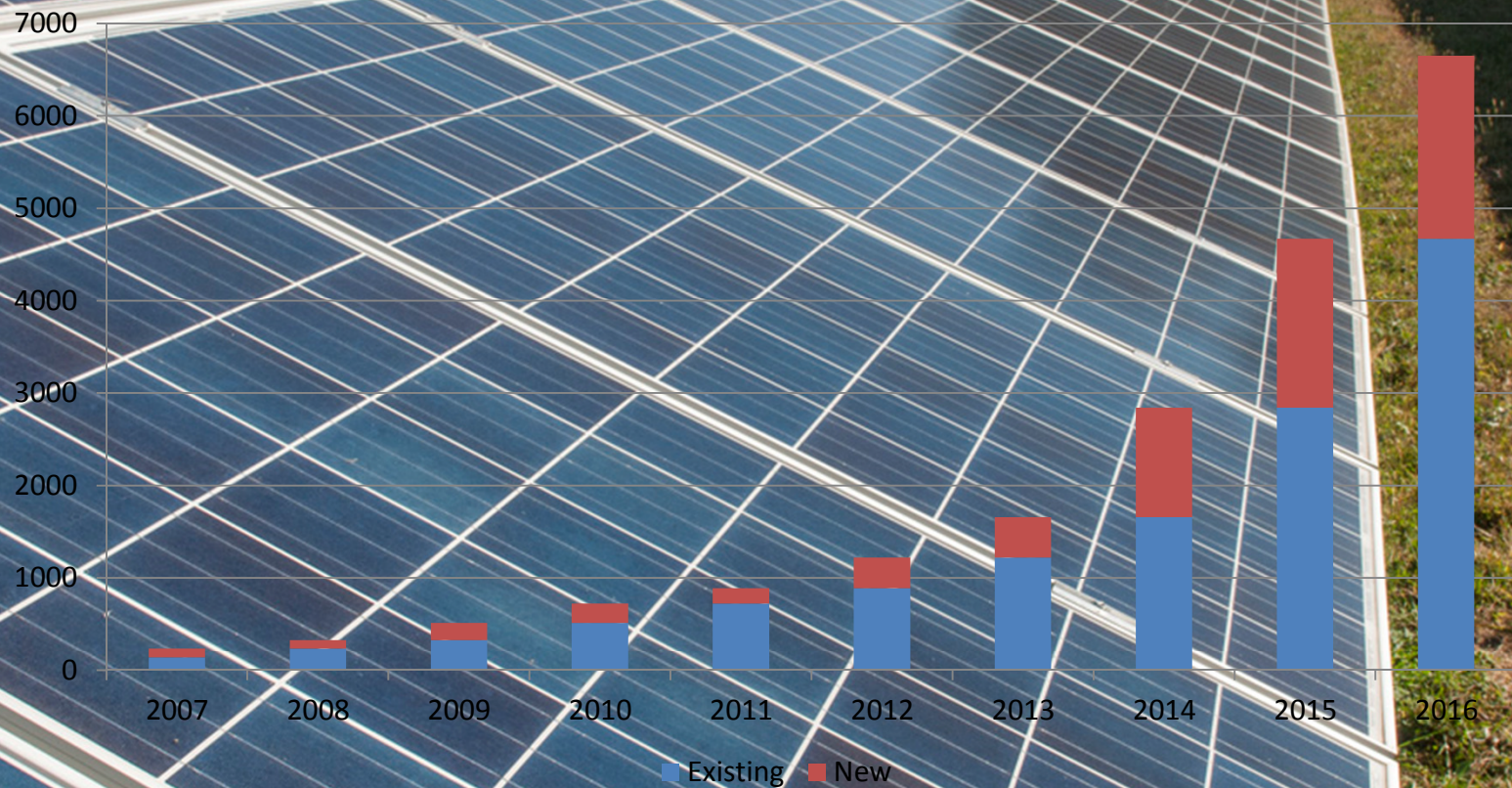
## Applications Received >300kW





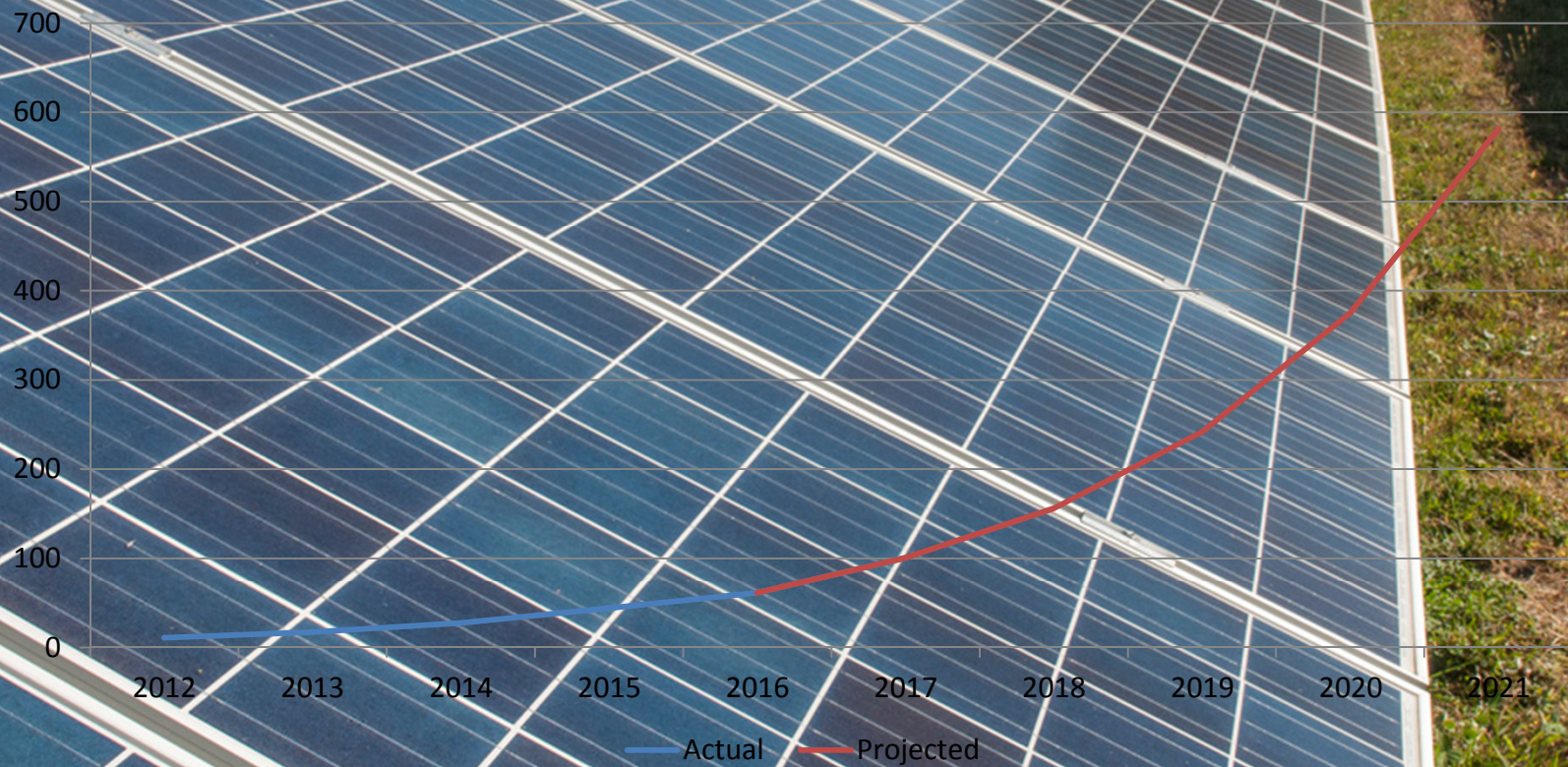
# Net-Metered PV Growth

## Cumulative PV Systems Installed by Year



# Projected Growth

## Cumulative PV MW's Installed Including 5-Year Projection



# Queue Management Plan

- September 30, 2016
  - NY Utilities and various stakeholders filed a joint petition seeking to address the backlog of DG projects<sup>1</sup>
  - The Petition proposed a set of criteria for DG projects to maintain their queue position, timeframes for advancing through the interconnection process, and cost sharing<sup>1</sup>

<sup>1</sup> State of New York Public Service Commission Case 16-E-0560

# Queue Management Plan

- **Property Owner Consent Form Received:**
  - **Group A** – Has had a completed CESIR for more than 60 business days as of 4/19/17.
    - CESIR completed on or before 1/20/17
  - **Group B** – Has an incomplete CESIR or a CESIR that has been completed for less than 60 days as of 4/19/17.
    - CESIR completed between 1/23/17 and 4/19/17, or CESIR in progress.
  - **Group C** – Has received only a Preliminary Review as of 4/19/17.

# Queue Management Plan

Date	Milestone
1/24/2017	Queue Management Plan approved by the New York State Public Service Commission (PSC)
1/25/2017	PSC Order issued and effective (Case 16-E-0560)
2/22/2017	Queue Management “Start Date”
3/8/2017	Property Owner Acknowledgement of Consent Verification Form Due
4/19/2017	Queue “Reset Date”
4/26/2017	<ul style="list-style-type: none"><li>• Initial grouping of projects in “<b>Group C</b>” queue are notified of their obligation to proceed with a Coordinated Electric System Interconnection Review (CESIR)</li><li>• Projects not requiring a CESIR are notified to provide proof of Site Control and execute Interconnection Contract</li></ul>
5/17/2017	<ul style="list-style-type: none"><li>• Deadline for initial “<b>Group C</b>” grouping to proceed to full CESIR.</li><li>• Deadline for projects not requiring a CESIR to provide proof of Site Control and execute their Interconnection Contract</li></ul>

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# Queue Management Plan

Date	Milestone
5/24/2017	Second grouping of projects in “ <b>Group C</b> ” queue are notified of their obligation to proceed with a full CESIR
6/1/2017	Deadline for “ <b>Group A</b> ” projects to pay 25% of the expected upgrade cost and execute the Interconnection Contract with the utility
6/15/2017	Deadline for second “ <b>Group C</b> ” grouping to proceed to full CESIR.
6/22/2017	Third grouping of projects in “ <b>Group C</b> ” queue are notified of their obligation to proceed with a full CESIR
7/12/2017	Deadline for “ <b>Group B</b> ” projects to pay 25% of the expected upgrade cost and execute the Interconnection Contract with the utility.
7/14/2017	Deadline for third “ <b>Group C</b> ” grouping to proceed to full CESIR.

*Group C notification/deadline waterfall to continue until queue cleared.*

# Queue Management

[www.centralhudson.com/dg](http://www.centralhudson.com/dg)



Queue Management



[Forms](#) [Contact Us](#) [About Us](#) [Community](#) [Safety](#) [News](#) [Rates](#) [Efficiency](#) [Employment](#) [More ...](#)

## Distributed Generation

Central Hudson > Distributed Generation

If you are a Central Hudson customer, you may be eligible to install a generator and operate in parallel with Central Hudson's electric grid.

### Contact Information

For general inquiries, billing and metering questions

Phone: 845-452-2700 or 1-800-527-2714

Email: [Pvmetering@cenhud.com](mailto:Pvmetering@cenhud.com)

For interconnection application inquiries or technical questions

Phone: 845-456-5215

Email: [DG@cenhud.com](mailto:DG@cenhud.com) or [DistributedGeneration@cenhud.com](mailto:DistributedGeneration@cenhud.com)

### Distributed Generation

- Interconnection Application Documents
- Technical Requirements
- Submit Interconnection Application
- Programs & Incentives
- DG FAQs
- DG Forms
- Central Hudson Solar Summits
- Contact Us
- DER System Indicator Map
- Queue Management

### Related Content

- Green Power
- SavingCentral
- Environment & Sustainability



Interconnection Application Documents



Technical Requirements



Submit Interconnection Application



Programs and Incentives



FAQs



Forms



DER System Indicator



Solar Summits



Queue Management

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# Queue Management Plan

## Queue Management Calendar Highlights

- Notification Dates
- Deadlines
- Observed Company Holidays

## 2017

FEBRUARY						
S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	1	2	3	4
5	6	7	8	9	10	11

MARCH						
S	M	T	W	T	F	S
26	27	28	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

APRIL						
S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

MAY						
S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

JUNE						
S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

JULY						
S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

AUGUST						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

SEPTEMBER						
S	M	T	W	T	F	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

OCTOBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

NOVEMBER						
S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

DECEMBER						
S	M	T	W	T	F	S
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

JANUARY						
S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Legend	
Feb. 20	President's Day*
Feb. 22	Queue "Start Date"
Mar. 8	Property Owner Consent Due
Apr. 14	Good Friday*
Apr. 19	Queue "Reset Date"
Apr. 26	Notify initial CESIR Group C
Apr. 26	Notify expedited, non-CESIR group
May 17	Deadline for initial grouping
May 17	Deadline for non-CESIR group
May 24	Notify 2 <sup>nd</sup> CESIR grouping
May 29	Memorial Day*
Jun. 1	Deadline for Group A
Jun. 15	Deadline for 2 <sup>nd</sup> grouping
Jun. 22	Notify 3 <sup>rd</sup> CESIR grouping
Jul. 4	Independence Day*
Jul. 12	Deadline for Group B
Jul. 14	Deadline for 3 <sup>rd</sup> grouping
Jul. 21	Notify 4 <sup>th</sup> CESIR grouping
Aug. 11	Deadline for 4 <sup>th</sup> grouping
Aug. 18	Notify 5 <sup>th</sup> CESIR grouping
Sep. 4	Labor Day*
Sep. 11	Deadline for 5 <sup>th</sup> grouping
Sep. 18	Notify 6 <sup>th</sup> CESIR grouping
Oct. 9	Deadline for 6 <sup>th</sup> grouping
Oct. 16	Notify 7 <sup>th</sup> CESIR grouping
Nov. 6	Deadline for 7 <sup>th</sup> grouping
Nov. 13	Notify 8 <sup>th</sup> CESIR grouping
Nov. 23	Thanksgiving Day*
Nov. 24	Day after Thanksgiving*
Dec. 6	Deadline for 8 <sup>th</sup> grouping
Dec. 13	Notify 9 <sup>th</sup> CESIR grouping
Dec. 22	Christmas Eve*
Dec. 25	Christmas Day*
Jan. 1	New Year's Day*
Jan. 8	Deadline for 9 <sup>th</sup> grouping

\* Central Hudson Observed Holiday

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# Queue Management Plan

NYS PSC Case 16-E-0560	Queue Management Plan Timeline (See Order for details)
<b>Clarification Note</b>	Notification to proceed with CESIR <b>must</b> be accompanied by the final detailed design package (3LD, Site Plan, Transformer Spec Sheet, etc.), proof of site control and full payment. Proof of check or electronic transfer is required to constitute remittance of payment; checks must clear for electronic transfer to count as timely. Notification <b>must</b> be received <i>prior</i> to the expiration of the 15 Business Day period (deadline).
1/24/17	Queue Management Plan Approved
1/25/17	PSC Order Issued and Effective
2/22/17	Queue Management Process "Start Date" (Section 2.0)
3/8/17	Deadline: Property Owner Acknowledgement of Consent Verification Due (Section 3.1)
4/19/17	Queue "Reset Date" (Section 3.2)
4/26/17	Utilities email initial grouping of projects, Group C, and notify applicants of their obligation to notify the utility of their desire to proceed with the CESIR. (Section 4.3.1)
4/26/17	Utilities will offer Interconnection Contracts to any projects that do not require a CESIR (Section 4.3.1)
5/17/17	Deadline: Initial groupings notification of developers desire to proceed with full CESIR. (Section 4.3.2)
5/17/17	Deadline: Developers of projects not requiring a full CESIR must provide a signed Interconnection Contract and proof of site control. (Section 4.3.3)
5/24/17	Utilities will notify the 2 <sup>nd</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR. (Section 4.3.4)
6/1/17	Deadline: Group A projects with CESIR's that have been completed for more than 60 Business Days as of April 19, 2017 (CESIR completed on or before 1/20/17) have until June 1, 2017 to pay 25% of the expected upgrade cost and execute the Interconnection Contract with the utility (Section 4.1)
6/15/17	Deadline: 2 <sup>nd</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR. (Section 4.3.4)
6/22/17	Utilities will notify the 3 <sup>rd</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
7/12/17	Deadline: Group B projects with CESIR's that were completed for less than 60 Business Days as of April 19, 2017 (CESIR completed between 1/23/17 and 4/19/17) have until July 12, 2017 to pay 25% of the expected upgrade cost and execute the Interconnection Contract with the utility. (Section 4.2)
7/14/17	Deadline: 3 <sup>rd</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
7/21/17	Utilities will notify the 4 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
8/11/17	Deadline: 4 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
8/18/17	Utilities will notify the 5 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
9/11/17	Deadline: 5 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
9/18/17	Utilities will notify the 6 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
10/9/17	Deadline: 6 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
10/16/17	Utilities will notify the 7 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
11/6/17	Deadline: 7 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
11/13/17	Utilities will notify the 8 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
12/6/17	Deadline: 8 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.
12/13/17	Utilities will notify the 9 <sup>th</sup> grouping applicants of their obligation to notify the utility of their desire to proceed with the CESIR.
1/8/18	Deadline: 9 <sup>th</sup> grouping applicants must notify the utility of their desire to proceed with the CESIR.

# Interconnection Online Application Portal (IOAP)

- New York Interconnection Online Application Portal Functional Requirements
  - Electric Power Research Institute (EPRI)
  - New York State Energy Research and Development Authority (NYSERDA)
  - New York State Department of Public Service Staff (NYS DPS)

# Interconnection Online Application Portal (IOAP)

PSC's February 26, 2015 Order asserts that each utility must establish the following functionalities while working toward a consistent state-wide look and feel for the public facing IOAP:<sup>1</sup>

1. Ability to apply online
2. Automatically managing the application approval process
3. Responding in a consistent and timely manner
4. Providing standardized contract forms and terms
5. Enabling transparency into the process
6. Supporting the status tracking of times to approval and who is responsible
7. Sharing information via a publicly maintained queue
8. Providing automated technical screening and impact studies
9. Improved timeliness for identification of study requirements

# Interconnection Online Application Portal (IOAP)

- Phase 1 – Automate Application Management: 2016-2017
- Phase 2 – Automate SIR Technical Screening: end of 2017
- Phase 3 – Full Automation of all Processes: 2017-2019

# Hosting Capacity

- NY State Utilities and Electric Power Research Institute (EPRI)
- *Defining a Roadmap for Successful Implementation of a Hosting Capacity Method for New York State*
  - EPRI Product ID 3002008848, June 2016

# Hosting Capacity

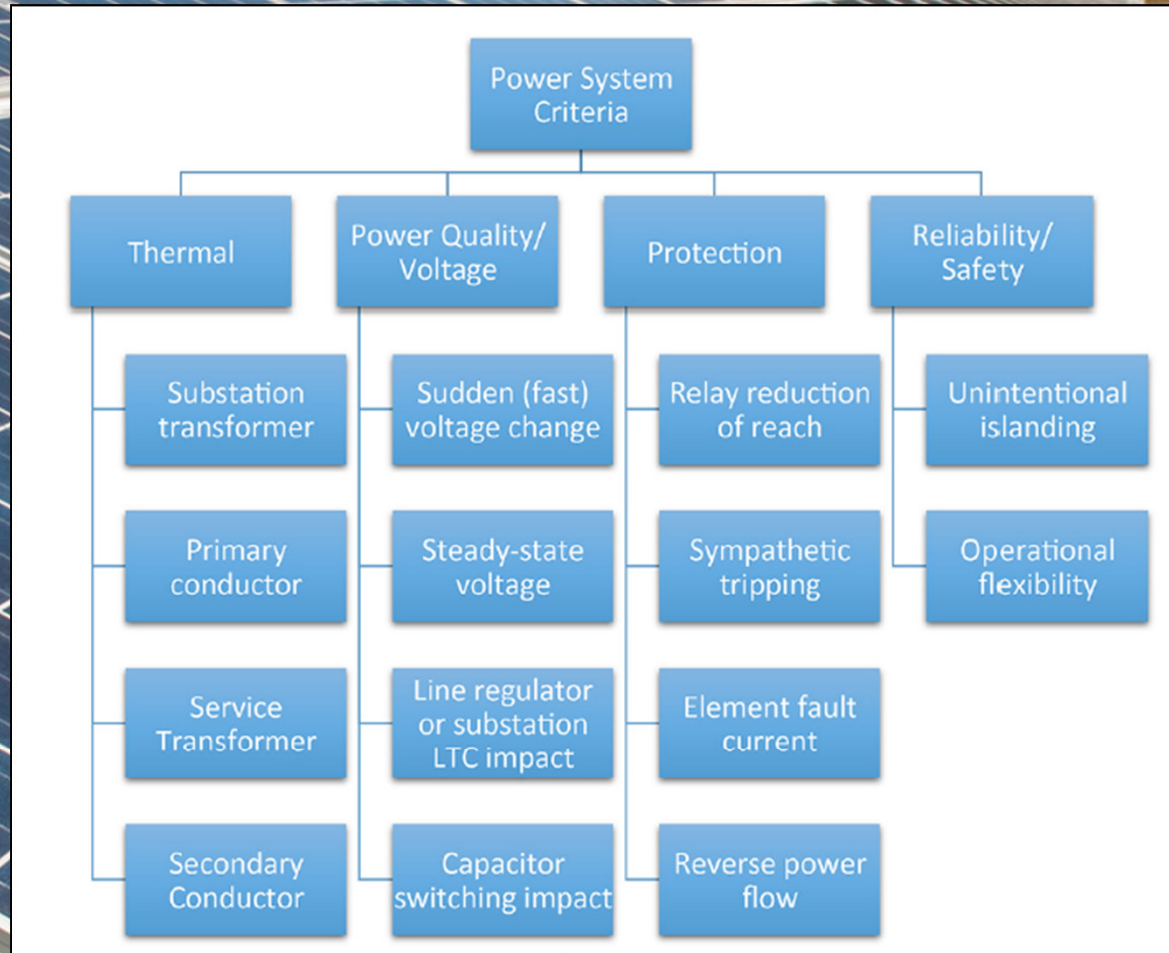
- Methodology
  - Definition
  - EPRI's Streamlined Hosting Capacity Tool
  - System Impacts
  - Map Display



# Hosting Capacity

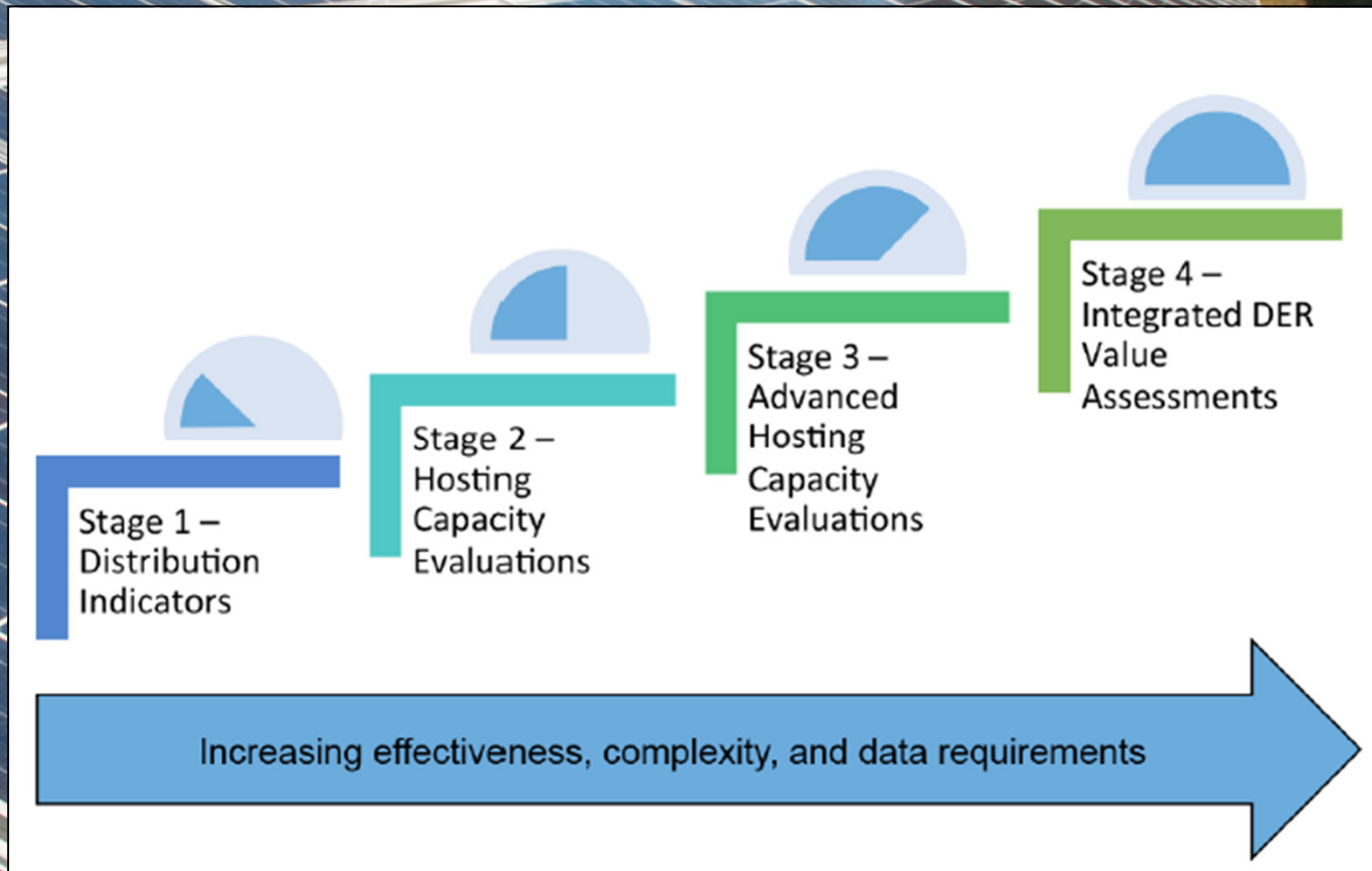
- What is hosting capacity?
- “The amount of DER that can be accommodated without adversely impacting power quality or reliability under existing control configurations and without requiring infrastructure upgrades.”<sup>1</sup>

# Hosting Capacity





# Hosting Capacity



# Hosting Capacity

- **Phase 1 Distribution Indicators** – Recognizes specific indicators that contribute to hosting capacity based on available data, but does not represent a complete hosting capacity evaluation<sup>1</sup>
- [https://www.cenhud.com/dg/dg\\_dermap](https://www.cenhud.com/dg/dg_dermap)

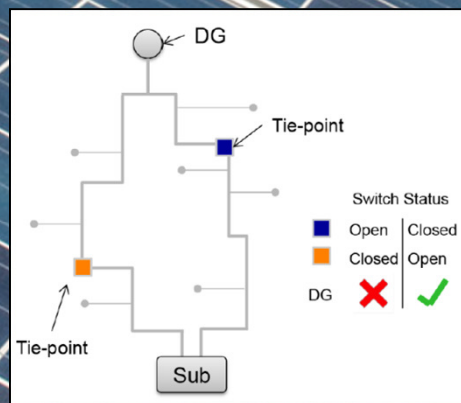


# Hosting Capacity

- **Phase 2 Hosting Capacity Evaluations –** Evaluation of hosting capacity on a feeder-level basis considering the key components of DER impacts<sup>1</sup>
- 50% of circuits completed in 2017; rest in 2018

# Hosting Capacity

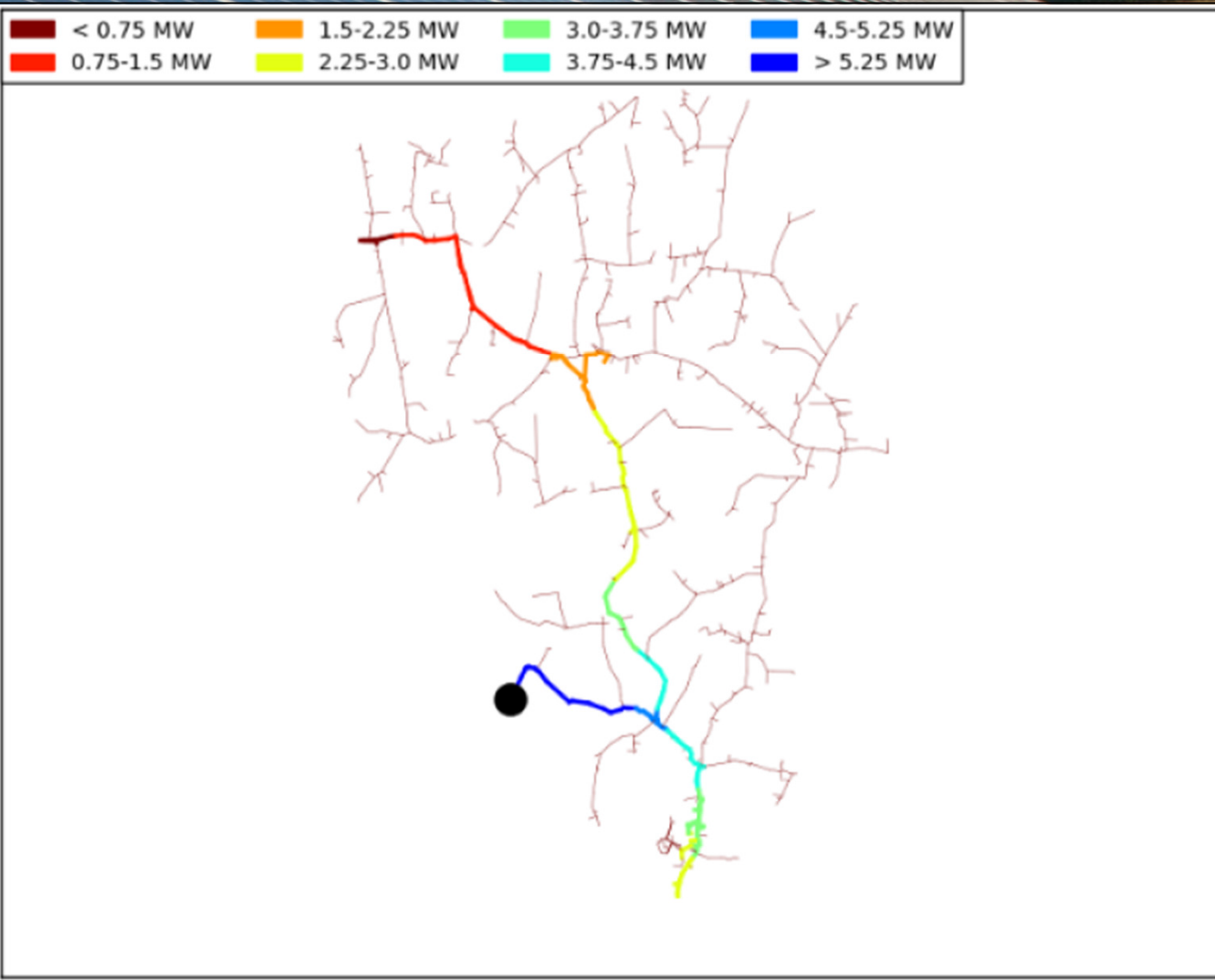
- **Phase 3 Advanced Hosting Capacity Evaluations** – Evaluation of the hosting capacity on the more granular (node) level including considerations for operational flexibility and transmission constraints<sup>1</sup>



# Hosting Capacity

- **Phase 4 Fully Integrated DER Value Assessments** – Hosting capacity assessment combined with DER value assessments that identifies potential benefits including improved efficiency, reliability, and capacity deferral. Means for increasing hosting capacity through use of smart inverters and storage.<sup>1</sup>

# Hosting Capacity





**Break**

**9:45 – 10:00**

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# Common PV Violations

John Francis, Senior Analyst/Field Inspector  
The Cadmus Group



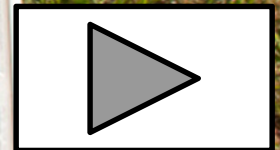


# NYS Solar Overview

Jason Pause, Utility Supervisor

Electric, Gas and Water – Electric Distribution Systems

New York State Department of Public Service



# Technical Panel Discussion

Moderator: John Maserjian, Director of Media Relations

Dave Crudele, NYSERDA

Jason Pause, NYS DPS

Melissa Kemp, NYSEIA

Heather Adams, Central Hudson

# Technical Panel Discussion

What are currently the biggest challenges faced with interconnection from a technical perspective?

# Technical Panel Discussion

How are developers, utilities, and Staff working together to resolve technical disputes?

# Technical Panel Discussion

What pilot projects or research is being pursued to improve interconnections?

# Technical Panel Discussion

What work is being performed to streamline and provide more visibility into the interconnection process?

# Technical Panel Discussion

What are the areas of improvement that will be crucial for interconnections in the future?

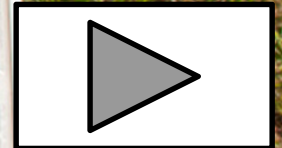
# Technical Panel Discussion

What additional collaborative efforts have been undertaken?



# **NYSERDA Application Process & Programs**


**Frank Mace, NY-Sun Senior Project Manager**  
**Alison Neligan, NY-Sun Project Manager**





# Lunch and Networking

12:00 – 1:00



# Policy Panel Discussion

Moderator: John Maserjian, Director of Media Relations

**Dave Crudele, NYSERDA**

**Elizabeth Grisaru, NYS DPS**

**Melissa Kemp, NYSEIA**

**Joseph Hally, Central Hudson**

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# Policy Panel Discussion

REV is a very broad proceeding can you give us your thoughts on how solar fits in with this policy initiative?

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# Policy Panel Discussion

What is the Value of D and how is it expected to benefit all parties?

# Policy Panel Discussion

The Value of DER (“Value of D”) proceeding began the movement away from traditional net metering in NY can you give us your thoughts on why this was the right time to begin this movement?

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# Policy Panel Discussion

What are currently the biggest challenges faced with interconnections from a policy perspective?

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# Policy Panel Discussion

How will the Queue Management Proposal address some of these challenges?



# Policy Panel Discussion

How are developers, utilities, and Staff working together to tackle these challenges?

# Policy Panel Discussion

What are the top priorities of focus from each of your perspective?

# NY Solar Map and Portal / Smart DG Hub Roadmap

Laurie Reilly, Communication Director  
Sustainable CUNY, City University of New York





**Break**

**2:15 – 2:30**

*People. Power. Possibilities.*

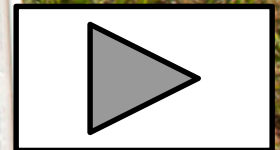
**Central Hudson**

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# Low-Cost Financing for Renewables

Susan Morth, Managing Director of Business Development  
Energize NY





# Community DG Best Practices

**Tom Su, Operating Supervisor  
Central Hudson Customer Services**

# Remote Net Metering Requirements

- Customer must be non-residential or residential with farm operations.
- All accounts must be held by the same customer, on property owned or leased by the customer.
- Satellite accounts may be added or removed once per year, from January 1 – January 31.

# RNM Paperwork

- Remote Net Metering Application
- Business Papers
- Proof of farm operation (RP-305)
- Proof of land ownership (deeds, lease agreements)



# CDG Requirements

- CDG Host must be non-residential.
- CDG Host and CDG Satellite accounts must be within Central Hudson's service territory.
- Must have a minimum of 10 CDG Satellite accounts.
- Satellite accounts with demands of 25kW or greater, in aggregate receive no more than 40 percent of the system output.
- Submit a completed CDG Allocation Request Form.
- Submit a completed Self-Certification Form.

# CDG Allocation Request Form

[http://www.centralhudson.com/pdf/dg\\_CDGallocationrequestform.pdf](http://www.centralhudson.com/pdf/dg_CDGallocationrequestform.pdf)



## Community Distributed Generation ("CDG") Allocation Request Form

This CDG Allocation Request Form is for use in connection with Central Hudson's CDG Generation Program as contained in General Information Section 46 of P.S.C. No. 15 – Electricity ("Tariff").

### 1. CDG Host Account

Central Hudson Account Number (10 digits):	
Account Name:	
Service Address:	
Mailing Address:	
City:	Zip:
Contact Name:	
Phone:	e-mail:

### 2. Requested Allocation to CDG Satellite Accounts

Check one:	<input type="radio"/>	Initial Allocation Request: must be submitted at least 60 days prior to the CDG Host Account commencing service under the CDG Program.
	<input type="radio"/>	Subsequent Allocation Request: must be submitted no less than 30 days before the CDG Host Account's cycle billing date to which the modifications apply.
	<input type="radio"/>	Annual Request for Allocation of Excess Credits: must be submitted no less than 30 days before the 12-month anniversary of commencing CDG net metered service and is effective for a one-time allocation only. The most recent Initial Allocation Request or Subsequent Allocation Request, as applicable, will continue to apply to all on-going allocations.

	Central Hudson Account Number (10 digits)	Central Hudson Account Name	Distribution Percentage (must total 100.000%)
	XXXX-XXXX-XX		XX.XXX %
1			%
2			%
3			%



# CDG Self-Certification

Example form:

[http://www.centralhudson.com/pdf/dg\\_CDGallocationrequestform.pdf](http://www.centralhudson.com/pdf/dg_CDGallocationrequestform.pdf)

## CENTRAL HUDSON GAS & ELECTRIC CORPORATION

### CDG Host Certification Form

#### CDG Host Account

Central Hudson Account Number (10 digits):	
Account Name:	
Service Address:	
Mailing Address:	
City:	Zip:
Contact Name:	
Phone:	e-mail:

#### Check One:

<input type="checkbox"/>	Initial CDG Host Certification
<input type="checkbox"/>	Annual CDG Host Certification

This certifies that the CDG Host named herein will abide by all terms and conditions of General Information Section 46 – Community Distributed Generation of P.S.C. No. 15 – Electricity and requirements of the PSC that are adopted pursuant to orders issued in Case 15-E-0082 and Case 15-M-0180, as they may be amended or superseded from time to time including, but not limited to:

- All associated CDG Satellite Accounts will be in the same NYISO Load Zone as the CDG Host and located in the Company's service territory;
- Associated CDG Satellite Accounts with demands of 25 kW or greater will receive, in aggregate, no more than 40 percent of the CDG Host's Excess Generation from the CDG project;
- Each associated CDG Satellite Account will receive at least 1,000 kWh annual but such credits shall not be in excess of the CDG Satellite Account's historic average annual kWh usage (or forecasted usage if historic data is not available);
- Advance written authorization will be obtained from potential CDG Satellite Account customers for the release of customer information and historical usage data by the Company to the CDG Host and such customers will be informed of the type of information to be obtained, to whom it will be given, how it will be used, and how long the authorization will be valid. I certify that verifiable proof of authorization for each customer will be retained for a minimum of two years or for the length of the CDG Host Satellite's membership in the CDG project whichever is longer;

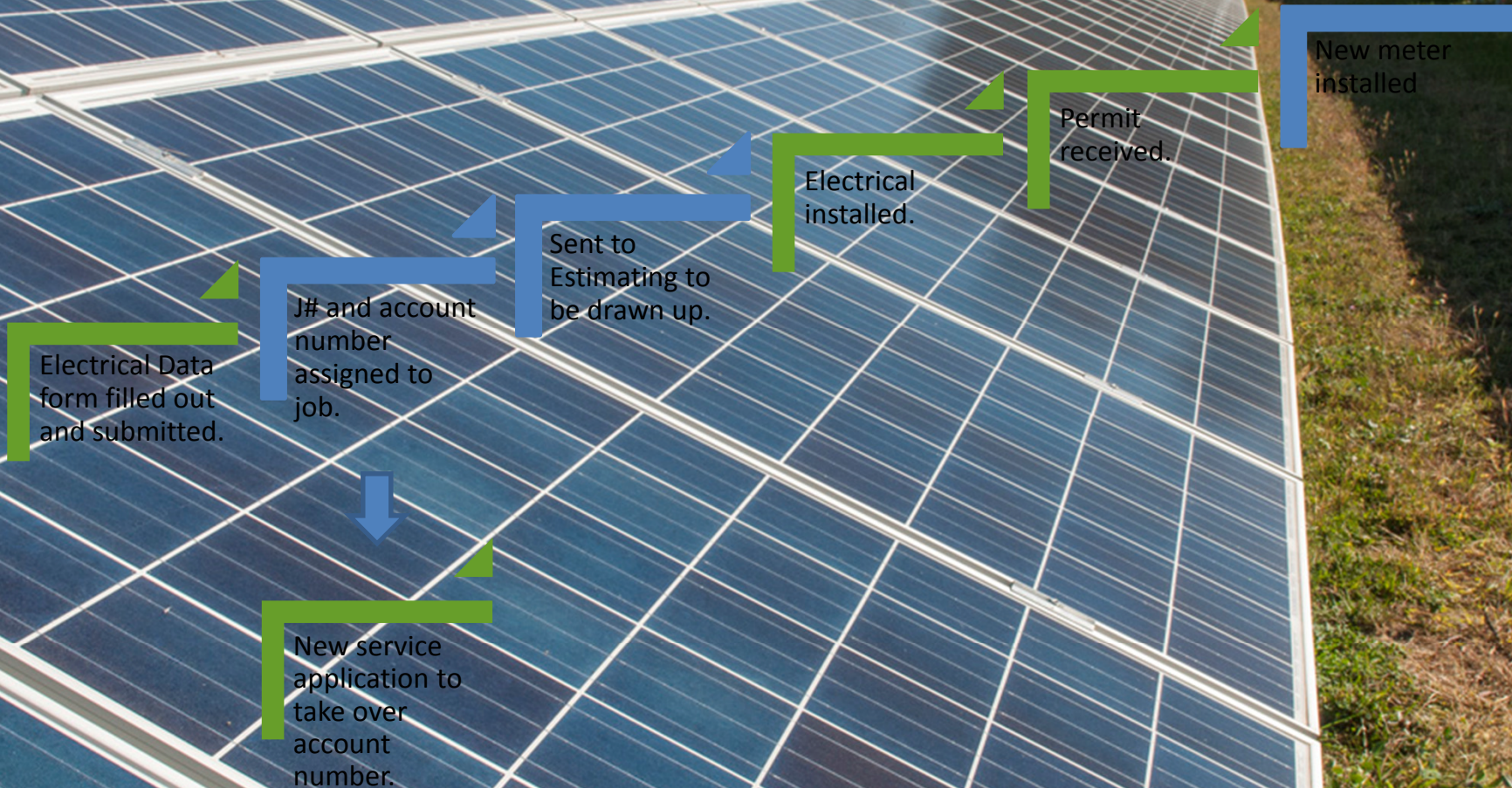
# Commercial Electrical Data Form

The screenshot shows a web browser window displaying the Central Hudson Commercial Electrical Data Form. The browser address bar shows the URL: <http://forms.centralhudson.com/CommercialDataForm/C...>. The page features the Central Hudson logo with the tagline "People. Power. Possibilities. A FORTIS COMPANY". Below the logo, the title "Commercial Electrical Data Form" is displayed. A red asterisk indicates a required field. The form includes a section for "Customer Information" with the following fields: Central Hudson Account Number, Customer Name, New Service Address, City, State (dropdown menu set to New York), Zip, Work Phone Number, Best Contact Number, and Email. There are also fields for Current Address, City, State, Zip, and Cell Phone Number.

The printed form includes the Central Hudson logo and contact information: 284 South Ave, Poughkeepsie, NY 12601-4838, (845) 452-2700 OR 1-800-527-2714, FAX: (845) 486-5657. The form is titled "COMMERCIAL ELECTRICAL DATA FORM". It contains fields for Customer Name, Contractor Business Name, Electrician Name, ID, New Service Address, Mailing Address, Town, Zip, Address, Phone #, Fax #, Home #, Work #, Cell #, Page #, E-mail address, and Appointment for site meeting needed? (Yes/No). A section titled "COMPLETE SECTION '1' OR '2'" contains two main options: 1. Upgrade/Relocate/Repair/Retire and 2. New Service. The form also includes sections for LIGHTING, HEAT, REFRIGERATION, AIR CONDITIONING, and MOTORS, with sub-sections for Total connected KW and Demand KW. Other fields include Nearest Central Hudson (enter number), Pole #, Splice box#, Pad #, Is foundation installed?, Date structure to be completed, Distance to structure from the road, and Do you want natural gas service (if available)? (Yes/No). The form ends with "Provide nearest intersecting road:" and "Directions to property:". The date 01/2009 is printed at the bottom right.



# New Service Request



# Secure File Transfer

<https://mft.cenhud.com>



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Login ID:

Password:

Language:  ▼

Remember me

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# Secure File Transfer

The screenshot shows a web browser window displaying a web client interface. The address bar shows the URL <https://mft.cenhud.com/Web%20Client/ListDir.htm#>. The page header includes the Central Hudson logo with the tagline "People. Power. Possibilities." and the text "Web Client". A "Favorites" dropdown menu is visible in the top right corner. Below the header, there are navigation icons for back, forward, refresh, and home, along with a "Home" link. The main content area shows a folder named "Home" with an information icon. Below the folder name is a toolbar with several actions: "Parent Directory", "New Directory", "Open", "Upload" (highlighted with a red circle), "Download", "Delete", and "More Actions". Below the toolbar is a table listing files and folders:

Name	Size	Time
Allocation Request Form		12/14/2016 3:29:06 PM

# Usage History

[http://inet.cenhud.com/ic\\_esco/icesco1.htm](http://inet.cenhud.com/ic_esco/icesco1.htm)

## Specific Account Usage Inquiry

Enter Central Hudson Account Number  
Provided to You By the Customer

Account Number

[Submit Account Inquiry](#)

**County** DUTCHESS  
**Municipality** TOWN OF LAGRANGE  
**Sales Tax Rate** .00000  
**Meter Number**  
**Next Scheduled Meter Read Date** 3/17/2017  
**Bill Cycle** 11  
**Bill Frequency** MONTHLY  
**Rate Code** E100  
**Load Zone** LOAD ZONE = G  
**2016/2017 ICAP Tag** 1.07  
**Load Profile / Usage Factor** [RNH](#) / .71497

Meter Read Date	Read Code	Number of Months	Total Usage - KWH	On Peak KWH	Off Peak KWH	Demand - KW
2/15/2017	03	1.0	401	N/A	N/A	N/A
1/18/2017	00	1.0	80	N/A	N/A	N/A
12/14/2016	03	1.0	573	N/A	N/A	N/A
11/14/2016	00	1.0	358	N/A	N/A	N/A
10/13/2016	03	1.0	344	N/A	N/A	N/A
9/16/2016	00	1.0	1153	N/A	N/A	N/A
8/15/2016	03	1.0	837	N/A	N/A	N/A
7/13/2016	01	2.0	1459	N/A	N/A	N/A
5/13/2016	00	2.0	837	N/A	N/A	N/A
3/14/2016	00	2.0	861	N/A	N/A	N/A
<b>TOTAL</b>		<b>13.0</b>	<b>6903</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

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Questions?

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# Billing

**Lisa Cerone, Director  
Central Hudson Customer Accounting**

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# Central Hudson Bill Basics

Basic Service Charge	Demand Charge	Usage Charge
<ul style="list-style-type: none"><li>● Fixed</li><li>● Same Dollar amount for each month</li></ul>	<ul style="list-style-type: none"><li>● Variable</li><li>● \$ / kW</li><li>● Certain non-residential customers only</li></ul>	<ul style="list-style-type: none"><li>● Variable</li><li>● \$ / kWh</li><li>● Residential and most non-residential customers larger Industrial are not charged</li></ul>

Usage Charge includes:

- Central Hudson Charge (Delivery)
- Non Central Hudson Charges
  - Supply (Market Price, Market Price Adjust, Misc, PPA)
  - Government: NYS Assessment, Taxes, SBC/RPS

# Net Metering Billing Basics

## Residential and Non-Demand Commercial

- Usage Charges (per kWh) will net.
- Credits will be carried in kWh to the next billing cycle.
- Check will be issued to a residential customer on anniversary month of the effective date of Net metering or a customer **One Time Elected** month that coincides with the customer's meter reading schedule for Supply component of usage charges. Payment is based on the NYISO Real Time Price Monthly Average
- Time of Use (TOU) Residential is the same as residential except on and off peak net separately
- Non-Demand Customers do not have a reconciliation period. Generation will continue to roll to the next bill

***Note: These types of bills will never be \$0 because there will always be basic service charge.***

# Net Metering Billing Basics

## Demand Commercial

- Usage Charges (per kWh) will net.
- Demand Charge (per kW) will not net.
- Credits in kWh converted to \$ and used to offset bill.
- Additional excess will be converted back to kWh and carried to the next billing cycle.
- No check will ever be issued.

***Note: A demand commercial bill CAN be \$0.***



## What's on the Bill

- Under the “What’s New” Section will be a line showing Current Net Gen/Usgr. & YTD Net Gen
- If a customer generates, the index shown on the bill will be the same index as previous bill. This is so no usage charges are calculated

# E100 Generation Bill

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**Central Hudson**  
A FORTIS COMPANY  
284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839  
www.CentralHudson.com

1111-0000-00-1  
Page 1 of 2

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

Account Number: 1111-0000-00-1  
Service For: JOHN J CUSTOMER  
MAIN ST  
ANYWHERE NY  
11111-0000

#### Your Bill Summary At A Glance

Previous Billed Amount		\$156.08
Payments Since Last Bill - THANK YOU!		\$-156.08
Current Electric Charges		\$49.00
<b>Total Amount Due Now</b>		<b>\$49.00</b>
Current Billing Period	Aug 30, 2016 - Oct 27, 2016	
Late Charges Added After		Nov 29, 2016
Next Scheduled Reading Date		Jan 05, 2017
	<b>This Year</b>	<b>Last Year</b>
Electric Usage	0 kWh	124 kWh
Heating Degree Days	408	396

#### Payments and Adjustments

PAYMENT RECEIVED ELECTRONICALLY SEP 28 \$-156.08

#### What's New...

THE AMOUNT OF ENERGY USED AT YOUR HOME VARIES BY SEASON. HIGHER SUMMER BILLS MAY BE DUE TO INCREASED ELECTRIC USAGE TO RUN COOLING SYSTEMS, AND THE HIGHER MARKET SUPPLY PRICE OF ELECTRICITY. TO AVOID SEASONAL BILL FLUCTUATIONS, SIGN UP FOR BUDGET BILLING AT [WWW.CENTRALHUDSON.COM/BUDGETBILLING](http://WWW.CENTRALHUDSON.COM/BUDGETBILLING).  
**NET-METERED ACCOUNT STATUS**  
CURRENT NET GENERATION 114 KWH|YTD NET GENERATION 114 KWH



# E100 Generation Bill Continued



1111-0000-00-1

Page 2 of 2

## Message Center

Did You Know ? NEIGHBORS HELPING NEIGHBORS - THAT'S WHAT OUR GOOD NEIGHBOR FUND IS ALL ABOUT. IF YOU CAN HELP, PLEASE DO SO BY MAKING A CONTRIBUTION ON YOUR NEXT BILL. ADD A WHOLE DOLLAR AMOUNT FROM \$1-\$10 TO YOUR NEXT CENTRAL HUDSON PAYMENT TO HELP THOSE LESS FORTUNATE.

## Electric Meter # 11111111 RATE E100 NON HEATING

Electric Service Charges 0 kWh at a cost of \$49.00

Average Daily Cost for Electric \$0.8448

### Amount of Electricity Used

Oct 27,2016	Present Reading (act.)	3008
Aug 30,2016	Previous Reading(act.)	3008
	Electricity Used(kWh)	0

### Cost for Electricity Used (for 2.0 months)

Basic Service Charge	2.0 Mos @	24.00	48.00
NYS & Local Taxes and Surcharges			1.00
<b>TOTAL ELECTRICITY COST</b>			<b>\$49.00</b>





# E100 Usage

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POUGHKEEPSIE NY 12601-4839  
www.CentralHudson.com

1111-0000-00-1  
Page 1 of 2

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

## Your Bill Summary At A Glance

Previous Billed Amount		\$49.00
Payments Since Last Bill	- THANK YOU!	\$-49.00
Current Electric Charges		\$156.08
<b>Total Amount Due Now</b>		<b>\$156.08</b>
Current Billing Period	Jun 29, 2016 - Aug 30, 2016	
Late Charges Added After	Sep 28, 2016	
Next Scheduled Reading Date	Nov 01, 2016	
	<b>This Year</b>	<b>Last Year</b>
Electric Usage	808 kWh	490 kWh
Heating Degree Days	10	1

Account Number: 1111-0000-00-1

Service For: JOHN J CUSTOMER  
MAIN ST  
ANYWHERE NY  
11111-0000

## Payments and Adjustments

PAYMENT RECEIVED ELECTRONICALLY	JUL 29	\$-49.00
---------------------------------	--------	----------

## What's New...

EASIER BY THE DOZEN! BEGINNING IN JULY, CENTRAL HUDSON TRANSITIONED FROM BI-MONTHLY BILLING TO MONTHLY BILLING. PLEASE SEE IMPORTANT INFORMATION, INCLUDING WHEN YOU WILL RECEIVE YOUR FIRST MONTHLY BILL, IN THE BILL INSERT OR ONLINE [WWW.CENTRALHUDSON.COM/MONTHLYBILLING](http://WWW.CENTRALHUDSON.COM/MONTHLYBILLING).

NET-METERED ACCOUNT STATUS

CURRENT NET USAGE 850 KWH|YTD NET GENERATION 0 KWH



# E100 Usage Continued



1111-0000-00-1

Page 2 of 2

## Message Center

Did You Know ? NEIGHBORS HELPING NEIGHBORS - THAT'S WHAT OUR GOOD NEIGHBOR FUND IS ALL ABOUT. IF YOU CAN HELP, PLEASE DO SO BY MAKING A CONTRIBUTION ON YOUR NEXT BILL. ADD A WHOLE DOLLAR AMOUNT FROM \$1-\$10 TO YOUR NEXT CENTRAL HUDSON PAYMENT TO HELP THOSE LESS FORTUNATE.

## Electric Meter # 11111111 RATE E100 NON HEATING

Electric Service Charges 808 kWh at a cost of \$156.08

Average Daily Cost for Electric \$2.5174

### Amount of Electricity Used

Aug 30, 2016	Present Reading (act.)	3008
Jun 29, 2016	Previous Reading (act.)	2200
	<b>Electricity Used (kWh)</b>	<b>808</b>

### Cost for Electricity Used (for 2.0 months)

#### ENERGY DELIVERY CHARGES:

Basic Service Charge	2.0 Mos @	24.00	48.00
Delivery Svc Chg	808 kWh @	0.06070	49.05
MFC Admin Chg	808 kWh @	0.00164	1.33
Transition Adj	808 kWh @	0.00020	0.16
Bill Credit	808 kWh @	-0.00438	-3.54
SBC/RPS Chgs	808 kWh @	0.00836	6.75
Misc. Charges	808 kWh @	-0.00103	-0.83
NYS Assessment	808 kWh @	0.00134	1.08
RDM Chg	808 kWh @	0.00299	2.42

**Total Delivery Chrgs 104.42**

#### ENERGY SUPPLY CHARGES:

(You may choose another supplier for this part of your service)



# E600 Residential Time of Use (TOU)

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POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

80 55

1111-0000-00-1

Page 1 of 2

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

## Your Bill Summary At A Glance

Previous Billed Amount		\$-1,820.57
Payments Since Last Bill - THANK YOU!		\$0.00
Current Electric Charges		\$191.56
Billing Adjustments		\$-104.04
Total Amount Due Now		\$-1,733.05
Current Billing Period	Dec 05, 2016 - Feb 07, 2017	
Next Scheduled Reading Date	Apr 06, 2017	

Account Number: 1111-0000-00-1

Service For:

	This Year	Last Year
--	-----------	-----------

On Peak Usage Applied/(Generation)	694 kWh	(7) kWh
Total On Peak Generation Banked	(697) kWh	(2344) kWh
Off Peak Usage/(Generation)	1732 kWh	604 kWh
Total Off Peak Generation Banked	0 kWh	0 kWh



# E600 Residential TOU Continued

## Electric Meter # 00000000 RATE E600 NON HEATING

Electric Service Charges 1732 kWh at a cost of \$191.56

Average Daily Cost for Electric \$2.9931

Amount of Electricity Used

	On-Peak (8am-8pm)	On-Peak (0%) kWh	Off-Peak (100%) kWh
Feb 07, 2017	Present Reading (corr.)	991546	16772
Dec 05, 2016	Previous Reading (corr.)	991546	15040
	Electricity Used	0	1732

Cost for Electricity Used (for 2.1 months)

ENERGY DELIVERY CHARGES:

Basic Service Charge	2.1 Mos @	27.00	56.70
SBC/RPS Chgs	1732 kWh @	0.00900	15.59
Misc. Charges	1732 kWh @	-0.00252	-4.36
NYS Assessment	1732 kWh @	0.00134	2.32
RDM Chg	1732 kWh @	-0.01329	-23.02

Off-Peak:

Delivery Svc Chg	1732 kWh @	0.03060	53.00
MFC Admin Chg	1732 kWh @	0.00075	1.30
Transition Adj	1732 kWh @	0.00011	0.19
Bill Credit	1732 kWh @	-0.00160	-2.77

Total Delivery Chrgs 98.95

# E200 Generation

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**Central Hudson**  
A FORTIS COMPANY  
284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839  
www.CentralHudson.com

2222-1111-00-0  
Page 1 of 2

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

Account Number: 2222-1111-00-0  
Service For: JANE J CUSTOMER  
10 ELM ST  
ANYWHERE NY  
11111-2222

#### Your Bill Summary At A Glance

Previous Billed Amount	\$0.00
Payments Since Last Bill - THANK YOU!	\$0.00
Current Electric Charges	\$193.81
Billing Adjustments	\$-193.81
<b>Total Amount Due Now</b>	<b>\$0.00</b>
Current Billing Period	Jan 09, 2017 - Feb 08, 2017
Next Scheduled Reading Date	Mar 13, 2017
	<b>This Year</b> <b>Last Year</b>
Heating Degree Days	932                      937

#### Payments and Adjustments

GENERATION CREDIT FOR 2396 KWH      FEB 13      \$-193.81

#### What's New...

HEAP ASSISTANCE IS AVAILABLE FOR ELIGIBLE HOUSEHOLDS TO HELP PAY HEATING BILLS. INFORMATION CAN BE FOUND ON-LINE AT MYBENEFITS.NY.GOV OR AT CENTRALHUDSON.COM. APPLY FOR A GRANT AT YOUR LOCAL DEPARTMENT OF SOCIAL SERVICES OR OFFICE FOR THE AGING FOR SENIOR HOUSEHOLDS.  
**NET-METERED ACCOUNT STATUS**  
CURRENT NET GENERATION 452 KWH|REMAINING BALANCE 27427 KWH



# E200 Generation Continued

## Electric Meter # 0000000 RATE E200 GENERAL SERVICE

Electric Service Charges 0 kWh at a cost of \$193.81

Average Daily Cost for Electric \$6.4603

### Amount of Electricity Used

	NET MTR INDEX RESET	kWh	KW
Feb 08, 2017	Present Reading (act.)	812064	1077.36
Jan 09, 2017	Previous Reading (act.)	812064	1066.53
	Electricity Used	0	10.8

### Cost for Electricity Used (for 1.0 months)

#### ENERGY DELIVERY CHARGES:

Basic Service Charge 1.0 Mos @ 84.00 84.00

#### Demand Delivery Charges:

Delivery Svc Chg 10.8 KW @ 8.770 X 1.0 94.72

MISC II 10.8 KW @ 0.060 X 1.0 0.65

NYS & Local Taxes and Surcharges 0.08

Sales Tax @ 8.000% 14.36

**TOTAL ELECTRICITY COST \$193.81**

# E200 Usage



284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839  
www.CentralHudson.com

60 60  
2222-1111-00-0  
Page 1 of 2

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

Account Number: 2222-1111-00-0  
Service For: JANE J CUSTOMER  
10 ELM ST  
ANYWHERE NY  
11111-2222

### Your Bill Summary At A Glance

Previous Billed Amount		\$576.93
Payments Since Last Bill	- THANK YOU!	\$-576.93
Current Electric Charges		\$451.68
<b>Total Amount Due Now</b>		<b>\$451.68</b>
Current Billing Period	Oct 06,2016 - Nov 04,2016	
Late Charges Added After	Dec 05,2016	
Next Scheduled Reading Date	Dec 08,2016	
	<b>This Year</b>	<b>Last Year</b>
Electric Usage	2206 kWh	715 kWh
Heating Degree Days	412	373

### Payments and Adjustments

PAYMENT RECEIVED BY DIRECT PAY NOV 2 \$-576.93

### What's New...

HEAP ASSISTANCE IS AVAILABLE STARTING 11/14/16 FOR ELIGIBLE HOUSEHOLDS TO HELP PAY HEATING BILLS. INFORMATION CAN BE FOUND ON-LINE AT MYBENEFITS.NY.GOV OR AT CENTRALHUDSON.COM. APPLY FOR A GRANT AT YOUR LOCAL DEPARTMENT OF SOCIAL SERVICES OR OFFICE FOR THE AGING FOR SENIOR HOUSEHOLDS.  
**NET-METERED ACCOUNT STATUS**  
CURRENT NET GENERATION 0 KWH|REMAINING BALANCE 0 KWH



# E200 Usage Continued

Electric		Meter # 12121212	RATE E200	GENERAL SERVICE
Electric Service Charges 2206 kWh at a cost of \$451.68				
Average Daily Cost for Electric \$15.5752				
Amount of Electricity Used				
			kWh	KW
Nov 04, 2016	Present Reading (act.)		248144	1678.80
Oct 06, 2016	Previous Reading (act.)		245938	1656.60
	Electricity Used		2206	22.2
Cost for Electricity Used (for 1.0 months)				
ENERGY DELIVERY CHARGES:				
	Basic Service Charge	1.0 Mos @	84.00	84.00
	Delivery Svc Chg	2206 kWh @	0.00573	12.64
	MFC Admin Chg	2206 kWh @	0.00011	0.24
	Transition Adj	2206 kWh @	0.00009	0.20
	Bill Credit	2206 kWh @	-0.00093	-2.05
	SBC/RPS Chgs	2206 kWh @	0.00836	18.44
	Misc. Charges	2206 kWh @	0.00066	1.46
	NYS Assessment	2206 kWh @	0.00102	2.25
	RDM Chg	2206 kWh @	-0.00232	-5.12
Demand Delivery Charges:				
	Delivery Svc Chg	22.2 KW @	8.770 X 1.0	194.69
<b>Total Delivery Chrgs</b>				<b>306.75</b>
ENERGY SUPPLY CHARGES:				





# Remote Net-Metering

- A customer that owns or operates a farm or non-residential photovoltaic electric generating equipment as defined in the Public Service Law is eligible for Remote Net-Metering.
- Customer will designate a “Host Account” (where the equipment is located) & “Satellite Accounts” (where net metering credits are to be applied). If there is excess net generation, the kWh are converted into dollars and are credited to the Host and Satellite accounts.
- Accounts must be held by the same customer and must be within the same load zone as determined by the NYISO.



# Remote Net Metering Bills



284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839  
www.CentralHudson.com

30 30

Page 1 of 4

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

Account Number:

Service For:

REMOTE NET METERING

00000

Your Bill Summary At A Glance	
Previous Billed Amount	\$0.00
Current Charges	\$126.89
Payments Since Last Bill - THANK YOU!	\$0.00
<b>Total Amount Due Now</b>	<b>\$126.89</b>
Current Billing Period	SEPTEMBER 2014
Late Charges Added After	Oct 23, 2014
Next Scheduled Reading Date	Oct 28, 2014

## Payments and Adjustments

CURRENT SUMMARY BILL AMOUNT	SEP 29	\$126.89
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# Remote Net Metering Bill Cont'd- Satellite Account

Electric	Meter #	RATE E100 NON HEATING	
Electric Service Charges 1936 kWh at a cost of \$340.22			
Average Daily Cost for Electric \$5.4874			
<b>Amount of Electricity Used</b>			
Sep 17, 2014	Present Reading (act.)		7449
Jul 17, 2014	Previous Reading (act.)		5513
	<b>Electricity Used (kWh)</b>		<b>1936</b>
<b>Cost for Electricity Used (for 2.0 months)</b>			
<b>ENERGY DELIVERY CHARGES:</b>			
	Basic Service Charge	2.0 Mos @ 24.00	48.00
	Delivery Svc Chg	1936 kWh @ 0.04963	96.08
	MFC Admin Chg	1936 kWh @ 0.00183	3.54
	Transition Adj	1936 kWh @ 0.00017	0.33
	SBC/RPS Chgs	1936 kWh @ 0.00801	15.51
	Purch. Power Adj	1936 kWh @ -0.00194	-3.76
	Misc. Charges	1936 kWh @ -0.00035	-0.68
	NYS Assessment	1936 kWh @ 0.00210	4.07
	RDM Chg	1936 kWh @ -0.00283	-5.48
	<b>Total Delivery Chrgs</b>		<b>157.61</b>
<b>ENERGY SUPPLY CHARGES:</b>			
<b>(You may choose another supplier for this part of your service)</b>			
	MFC Supply Chg	1936 kWh @ 0.00207	4.01
	Market Price	1936 kWh @ 0.08724	168.90
	Market Price Adj	1936 kWh @ 0.00291	5.63
	<b>Total Supply Chrgs</b>		<b>178.54</b>
	NYS & Local Taxes and Surcharges		1.07
	<b>TOTAL ELECTRICITY COST</b>		<b>\$340.22</b>

# Remote Net Metering Bill Cont'd – Host Account

Electric	Meter #	RATE E230	GENERAL SERVICE
Electric Service Charges 0 kWh at a cost of \$75.84			
Average Daily Cost for Electric \$1.2232			
Amount of Electricity Used			
Sep 17, 2014	Present Reading (act.)		82967
Jul 17, 2014	Previous Reading (act.)		82967
	Electricity Used (kWh)		0
Cost for Electricity Used (for 2.0 months)			
	Basic Service Charge	2.0 Mos @ 35.00	70.00
	NYS & Local Taxes and Surcharges		0.14
	Sales Tax	@ 8.125%	5.70
	<b>TOTAL ELECTRICITY COST</b>		<b>\$75.84</b>

Previous Generation Balance	0 kwh
Current Generation	(2615) kwh
Generation Applied	2615 kwh
Generation Balance	0 kwh

# Monetary Remote Net Metering Bill Summary Page



## BILLING DETAIL

This is a summary bill to September 29, 2014 for the accounts listed below.

ACCOUNT NO	SERVICE ADDRESS	AMOUNT DUE
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21 [REDACTED] RD		340.22
GENERATION CREDIT		-289.17
21 [REDACTED] RD BARN		75.84
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	SUMMARY BILL AMOUNT	\$126.89

# Volumetric Remote Net Metering Bill Summary Page

## BILLING DETAIL

This is a summary bill to February 14, 2017 for the accounts listed below.

ACCOUNT NO	SERVICE ADDRESS	AMOUNT DUE
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1111-1111-11	GENERATION CREDIT/ADJUSTMENTS	-134.49
1111-1111-11	ONE RD MAIN HSE	178.95
2222-2222-22	GENERATION CREDIT/ADJUSTMENTS	-135.84
2222-2222-22	ONE RD COTTAGE	180.52
3333-3333-33	GENERATION CREDIT/ADJUSTMENTS	-132.17
3333-3333-33	ONE RD APT	176.26
4444-4444-44	GENERATION CREDIT/ADJUSTMENTS	-129.18
4444-4444-44	ONE RD BARN	201.92
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	SUMMARY BILL AMOUNT	\$205.97

A large array of solar panels is shown in a field under a clear blue sky. The panels are arranged in long, parallel rows, and the perspective is from a low angle, looking down the length of the array. The panels are dark blue with white grid lines. In the background, there are green trees and a clear sky. The overall scene is bright and sunny.

# Community Distributed Generation

- Developer or “Host” enlists Subscribers “Satellites”. Excess generation on the Host account is distributed to the satellite accounts based on the percentage assigned to the satellite accounts by the Host owner.
- Credits are calculated monetarily or volumetrically based on the service classification of the Host account.

# Questions





# Closing Remarks