JOINT UTILITIES OF NEW YORK

Distributed System Platform (DSP) Stakeholder Webinar

June 16, 2025

Welcome and Logistics

Welcome and thank you for joining!

Webinars are open to the public and recordings will be posted following the webinar on the Joint Utilities website: www.jointutilitiesofny.org

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Agenda

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Agenda Item	Presenters
DSIP	Amanda Proctor (O&R)
Grid of the Future Proceeding	Bob Manning (Avangrid)
ISO-DSP	Alex Novicki (Avangrid)
Interconnection	Rick Abraham (National Grid)
Integrated Planning	Alex Young (National Grid)
Information Sharing	Daniel Wiecek (National Grid)
Electric Vehicles	Frederick Zindell (O&R)
Q&A Session	

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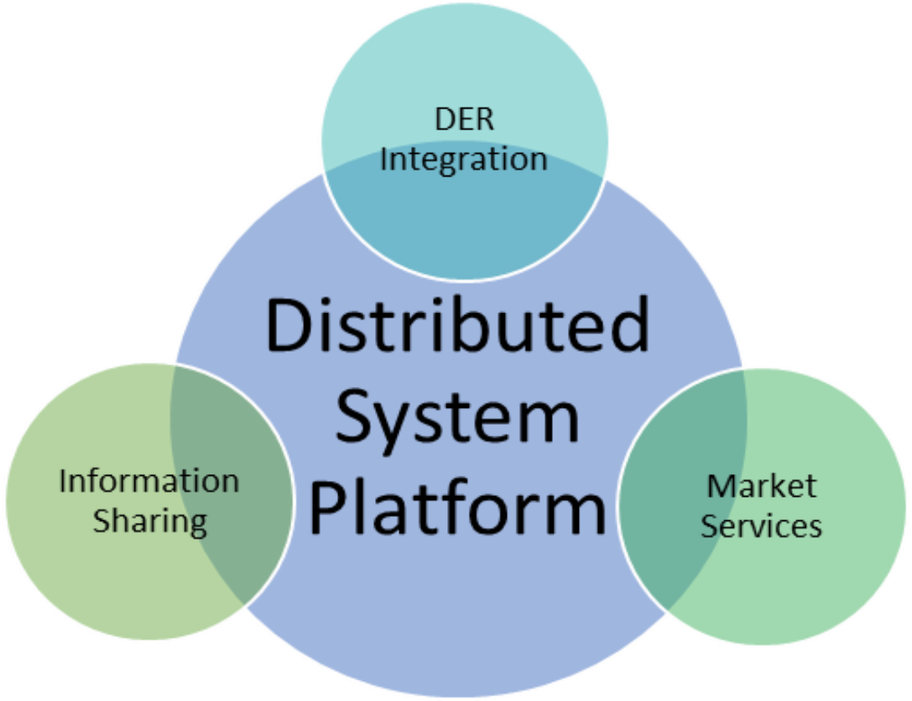
Distributed System Implementation Plans (DSIPs)

Presented by: Amanda Proctor (O&R)

Regulatory Foundation

DSIPs are rooted in the **Reforming the Energy Vision (REV)** proceeding launched in 2014.

- **DSIP Objective:** REV positioned utilities as Distribution System Platform (DSP) providers, responsible for animating market services, expanding customer information, and optimizing DER integration.
- Each utility submits individual DSIPs as the primary tool to guide how each is implementing DSP responsibilities and detailing specific plans, investment priorities, and opportunities for stakeholder engagement.
- Over the past 10 years, the utilities have made significant progress in developing and enabling DSP functions.
    - Collaborate together and with stakeholders on the topics covered in this Webinar



Three Core Functions of DSP

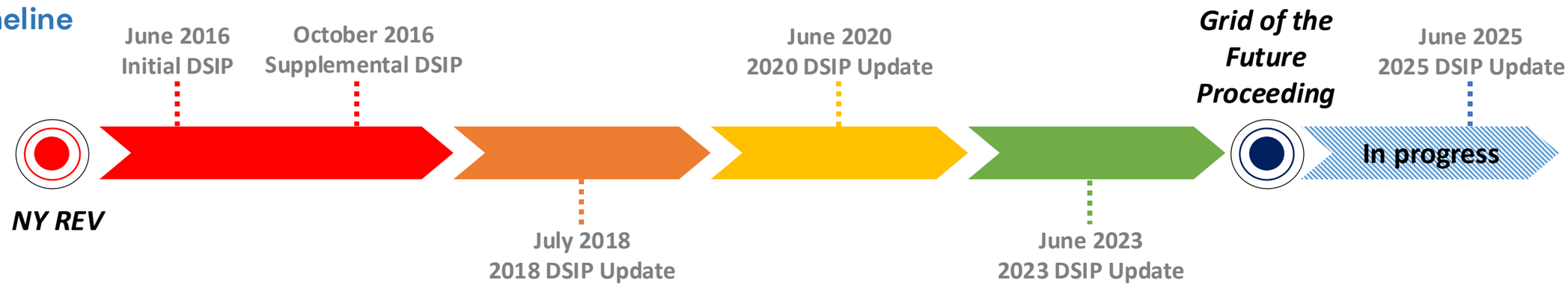
Progress

The results of regulatory vision, state incentive support, stakeholder participation, and utility DSP enablement and program implementation have been encouraging. As described by DPS:

- The solar industry has grown from 325 megawatts (MW) of installed capacity in 2014 to approximately 4.3 gigawatts (GW) as of March 2024
- There have been approximately 1.0 GW of deployments, awards, and contracts of storage as of March 2024
- There have been nearly 59,000 heat pump installations through 2023, representing over 4.5 trillion British thermal units (TBtu) of annual energy savings
- Nearly 210,000 EVs have been registered in New York as of March 2024, and the Commission authorized EV Make-Ready program has supported approximately 20,000 level 2 charging stations and approximately 1,500 direct current fast charging stations either completed or in the process of being constructed as of March 2024
- Approximately 1,375 MW of demand response capability were enrolled in the Commission directed utility programs in 2023

2025 DSIP Updates: Preparing to Incorporate GOF

Timeline



2025 DSIP Updates Will Follow A Similar Approach As 2023

- Utilities are preparing their DSIP filings, due by June 30, 2025
- The 2025 DSIP follows the most recent guidance issued in 2023. This guidance does not yet incorporate the GOF proceeding, but our work to do has laid a solid foundation for the aims of GOF

Bridging DSIP with Grid of the Future

- The JU have been active participants in GOF and are already engaged in collaborative discussions with DPS Staff and Stakeholders about the best ways to leverage DSP capabilities to enable and optimize the use of flexible resources to achieve state policy goals in the future

Our DSP Vision

Since the outset of the REV proceeding, our vision has been to realize a Distributed System Platform (DSP) that will provide safe, reliable, secure, and efficient electric service by integrating and optimizing distributed energy resources and related technologies into utility planning and operating practices and facilitating a distributed energy marketplace that empowers communities and customers, promotes affordability, and supports the state's clean energy policy goals while meeting customers' and society's evolving needs.

Grid of the Future Proceeding

Presented by: Bob Manning (Avangrid)

Grid of the Future Proceeding: Advancing Clean Energy & Electrification

***Grid flexibility*: The grid's ability to shift either demand or supply to meet bulk power system and/or local grid needs.**

Case 24-E-0165 Order (April 2024)

- **Objective**: Unlock innovation and investment to deploy flexible resources—such as distributed energy resources (DERs) and virtual power plants (VPPs)—to achieve our clean energy goals at a manageable cost and at the highest levels of reliability.

Expansion of grid flexibility services must be consistent with maintaining reliable, secure, and affordable service, **for all customers** while also encouraging and supporting customer adoption of flexible technologies.

Implementation

- Three phases focusing on the role of utilities through DSPs to make investments, planning, & operational changes to enhance grid flexibility.

Phase I: Grid Flexibility Potential Study

- Quantitative assessment of cost-effective, achievable potential for grid flexibility
- Identify barriers and preliminary options for addressing barriers
- Outcome: Grid Flexibility Study Report

Phase II: Grid of the Future Plan 1 (DSIP Assessment)

- Review DSIPs relative to prioritized list of evaluation elements
- Update DSIP guidance for utilities
- Outcome: Grid of the Future Plan (1st iteration)

Phase III: Grid of the Future Plan 2 (Roadmap)

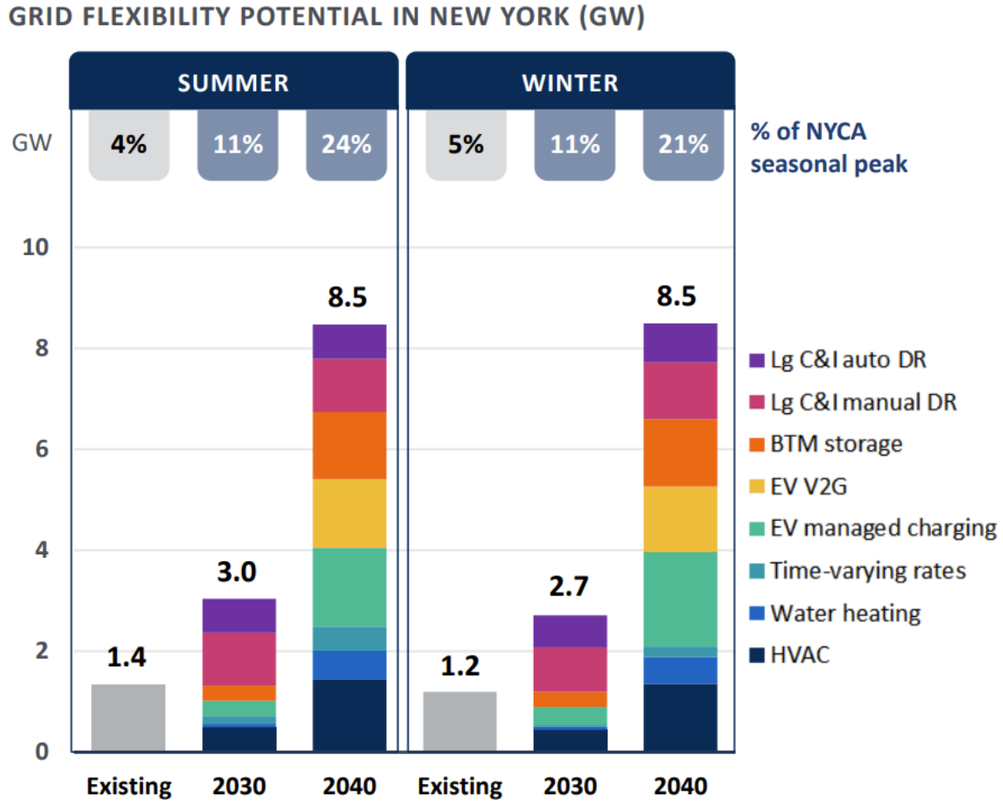
- Develop roadmap for achieving long-term grid flexibility vision for New York
- Establish framework for updating the roadmap over time
- Outcome: Grid of the Future Plan (updated)

Completed Work: Phase 1

Phase 1: Grid Flexibility Potential Study

- Led by Brattle
  - Volume I: Summary Report (Completed January 2025)
  - Volume II: Technical Appendix (Completed January 2025)
  - Volume III: Supplemental Analysis (Completed March 2025)
- Ideal flexibility potential assumes:
  - CLCPA goals are met, and all barriers are eliminated.

	CURRENT	2040 EST.	*Increase (approx.)*
Smart Meters	68%	100%	*+0.5x*
Electric Vehicles	0.2 million	6.4 million	*+30x*
Electric Heating	19%	>60%	*+2x*
BTM Batteries	~90 MW	>2 GW	*+20x*



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Completed Work: Phase 1

Phase 1: Grid Flexibility Potential Study

- Actual forecasts of achievable potential will be influenced by barriers.
- Barriers to enabling flexibility
  - Identified **23** barriers across **five** categories:
    - Compensation Mechanisms
    - Regulatory Barriers
    - Customer Experience and Enrollment
    - Technical Barriers
    - Wholesale Market Barriers

	Top Five Barriers	Key Stakeholders
1	**Permitting processes** make installation of certain technologies infeasible in some regions.	Authorities Having Jurisdiction (AHJ)
2	**Distribution grid planners do not sufficiently consider DERs as a solution** during planning.	Utility
3	**The regulatory process** to design and approve new initiatives can delay expansion of grid flexibility.	Regulator/Utility/ Intervenor
4	**Slow/expensive interconnection requirements** are a roadblock for some DER technologies.	Utility/Developer
5	**Complexity of programs and difficulty in monetizing the full value of grid flexibility**.	Utility/Regulator/ Customer

Completed Work: Phase 2

Phase 2: First Iteration of the Grid of the Future Plan

- Led by DNV (report completed in March 2025)
  - Retrospective and Prospective DSIP Assessments
  - Recommendations for future DSIPs
- Key findings: Utilities scored high in the following technical topics:
  - Beneficial Locations for DERs and NWA
  - Integrated Planning
  - Data Sharing

Phase 3: Second Iteration of the Grid of the Future Plan

Phase 3: Develop plan per GOF Order

- GOF Order referenced 9 plan elements
- DPS is developing new content for future DSIP filings to reflect GOF proceeding
- Anticipating collaborative work with stakeholders
- Active role for JU to ensure effective implementation

9 Plan Elements

1. Provide clear resource deployment goals.
2. Establish key DSP elements which must be implemented
3. Establish new compensation structures, or modifications to existing compensation structures
4. Identify the potential for customer savings and benefits through improved price-signals
5. Identify the needs and opportunity for changing roles and responsibilities of the distribution utilities, the NYISO, and other market participants
6. Account for changes in digital technology, information infrastructure, and information asymmetries
7. Apply rigorous physical- and cyber-security protocols
8. Address temporal and geographic variability in the need for operational flexibility
9. Consider equitable allocation of necessary costs and benefits among customers.

ISO-DSP

Presented by: Alex Novicki (Avangrid)

JU Prepare for DER Aggregation Participation in NYISO's 2019 DER Participation Model

Undertaking for Post Go-Live Activities

- FERC approved NYISO's 2019 DER Market Participation Model in April 2024. Accordingly, the JU have been working with the NYISO to understand our respective processes and how they will need to interact as well as create requisite new processes and ascertain what new utility systems will be needed to effectively support enrollment, safety & reliability reviews, and operational coordination of DER aggregations participating in this new NYISO market.
- The JU have nearly finalized a duplicative compensation matrix that illustrates what retail and wholesale markets a DER aggregation can simultaneously participate in.
- The JU are having ongoing discussions with NYPA and NYISO to address cases of DER aggregations where the customers are supplied by NYPA but connected to a utility's distribution system.
- The JU are also discussing cybersecurity best practices for interfacing with aggregators. The JU are putting measures in place to ensure that aggregator operations do not pose cybersecurity risks to utility IT systems.

Next: Continue to Coordinate with NYISO's Development of a Fully Compliant FERC Order 2222 Market

- Utilities will continue to coordinate with the NYISO as it develops its fully compliant FERC Order 2222 market for DER and Aggregations, launch expected by Q4 2026.

Interconnection

Presented by: Rick Abraham (National Grid)

JU Continue Efforts on Collaboration with Industry

Collaboration with Industry

The JU have been actively collaborating with members of Industry on the following topics over the last few months.

- The JU continued their discussions on the EPRI CFF, decided to collaborate with Industry and the Interstate Renewable Energy Council (IREC) to request manufacturers to adopt the CFF. This joint approach aims to streamline the adoption process for smart inverter settings and ensure consistency across different manufacturers.
- The JU have aligned on providing annual updates to the SIR technical cost matrix by February of each year.
- The JU provided updates to Industry and DPS on the utilities' cost estimate process. In addition, the JU confirmed providing greater granularity on cost reconciliation line items such as labor, materials, and overhead.
- The JU also provided responses to Industry and DPS on the topic of self-performance and self-build solutions. Upon discussions with Industry and DPS, it was agreed that this topic would be handled by the IPWG moving forward.
- The JU and Industry discussed defining automatic sectionalizing devices (ASDs) and whether fuses should be classified as ASDs. They had an extensive debate on the implications of including or not including fuses as ASDs, considering the technical and operational impacts.
    - This discussion has implications for SIR screens E and G. The JU and Industry agreed to revisit this topic after the revised Screens E and G have been implemented in the SIR.
- The JU presented a decision tree organizing types of devices and applicable standards for different EV (V1G, V2G) configurations. This decision tree includes cases where EVs are paired with solar and batteries and scenarios where customers do not have the required certifications.
    - The goal of the development of this decision tree is to aid the JU in evaluating various EV configurations during the interconnection study phase.

Integrated Planning

Presented by: Alex Young (National Grid)

Overview

- Annual Refresh
- Electrification Map Enhancements
- Survey
- Upcoming Training Series

Annual Refresh

- Synchronized updates to solar PV and energy storage maps
- Reflects recent circuit-level changes
- Maintains six-month refresh cycle for active DER circuits

Electrification Map Enhancements

- EV maps transitioned to broader Electrification Maps
- Show summer/winter load, voltage, EJ indicators
- Added radial vs. network info, circuit voltage, upstream constraints

Stakeholder Survey

Conducted a stakeholder survey to better understand user needs and challenges related to Hosting Capacity Maps.

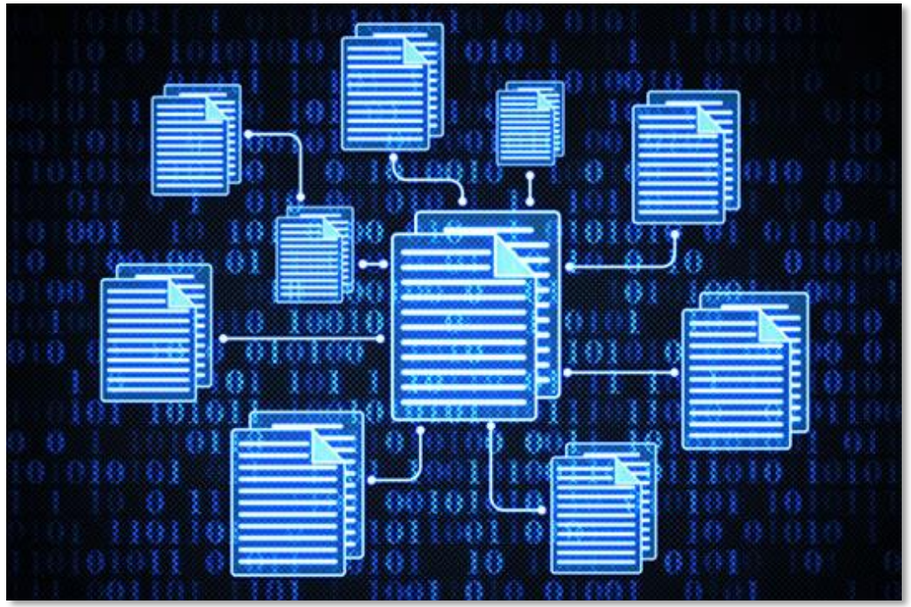
- Respondents included developers, regulators, consultants, and advocacy organizations
- We learned:
  - Widespread use of HC maps for early-stage DER planning, especially solar and storage siting
  - Persistent challenges interpreting map fields, update timing, and data consistency across utilities
  - Strong demand for training that goes beyond navigation, focusing on real-world application and integration with other datasets
  - Interest in differentiated content for beginner and advanced users
- These insights laid the groundwork for a new initiative to improve map accessibility

Note: Further breakdown of the stakeholder survey responses in the Appendix

Training Initiative

Two workshops planned (beginner and advanced)

Beginner	Advanced
Designed for users who are newer to Hosting Capacity Maps or use them occasionally. **Focus areas include:** ▪ Basic navigation and terminology ▪ Understanding key data layers (e.g., load, voltage, capacity) ▪ How to locate viable interconnection sites ▪ Common map features and what they mean ▪ Overview of use cases like solar siting and municipal planning	**Designed for experienced users who regularly use the maps in project development, technical analysis, or regulatory work.** **Focus areas include:** ▪ Comparing maps across utilities and understanding differences ▪ Interpreting upstream constraints and substation-level impacts ▪ Integrating maps with external data (e.g., IEDR, parcel data, load forecasts) ▪ Use-case deep dives: MHDEV siting, storage exports, dynamic HCA ▪ Tips for exporting and applying map data in feasibility analysis



Information Sharing

Presented by: Daniel Wiecek (National Grid)

Information Sharing – Supporting Access to Useful Data

- The Joint Utilities are supporting customer access to information in several ways, including through the Integrated Energy Data Resource ("IEDR") Program.
- The IEDR is NYSERDA's centralized, state-wide platform that provides access to energy data and information from New York's electric, gas, and steam utilities, and other sources.
- The Joint Utilities continue to support the data delivery requirements for Phase 2 of the IEDR use cases, focusing on security, data quality, and increasing automation
- Provide data sets, single sign-on (SSO) validation, and other needed input prioritized by the IEDR team
- Continue to support development of use cases identified by the IEDR Team
- Share best practices and prior lessons learned on reporting aggregated, anonymized, energy-related data

For more information, visit ***https://iedr.nyserda.ny.gov/***

Information Sharing – Current Focus

Work continues to improve data sets and bulk data exchanges with the IEDR Team

- Continue providing data and working on SSO validation as directed by the IEDR team
- Focus on data consistency and quality

Phase 2 use case development

- Support the IEDR Team on use case development to recontextualize proposed use cases and maximize impact
- Share utility experience from prior data use cases, like hosting capacity, to help inform current IEDR efforts

Support IEDR Team's evolving approach

- One-on-one meetings with utilities to address the different data sets available & starting points
- Utility Coordination Group (UCG) meetings potentially evolving to customer, network and rate plan focus

Electric Vehicles

Presented by: Frederick Zindell (O&R)

Make-Ready Program Review Kickoff

DPS Staff commenced the **End-of-Program Review for the Make-Ready Program** on March 12, 2025.

The Joint Utilities participated in the program review kickoff meeting on March 25, 2025, and reported on the **state of EV charging in New York, the role of the make-ready program, learnings and considerations for the future, and program status updates**.

Key takeaways:

- The Make-Ready Program has been successful in supporting meaningful buildout of EV charging networks under budget
  - 67% and 79% of program-established plug installation targets have been contracted upstate and downstate, respectively.[1]
  - Statewide, L2 plugs expected to reach target with ~$107M incentive savings (includes futureproofing); DCFC with ~$213M incentive savings.[2]
- **More plugs are needed to support EVs-on-the-road goals:** to offer future EV drivers the same charging experience enjoyed today, NY needs plugs beyond MRP goals.
- **Access to charging continues to be a priority:** charging access is a primary barrier to adoption, especially among next-wave (vs. early) adopters in the coming years

The JU submitted a Petition to continue Make-Ready plug deployments using remaining authorized MRP funds if the program review extends beyond the program end date of December 31, 2025.

4-plug L2 project at Wildflower Farms in Poughkeepsie, NY

[1] As of March, 2025.

[2] Estimated savings from analysis prepared for the *Joint Utilities' Petition to Continue Make-Ready Program During the Program Review Period* (2/24/25)

Load Management Technology Incentive Program Review

DPS Staff also commenced the program review for the Load Management Technology Incentive Program (LMTIP) on March 6, 2025, to **evaluate the outcomes of the utilities' LMTIP implementations to date, and whether LMTIP programs should be reauthorized**.

The LMTIP programs provide nearly $25M in incentives for customer-side demand management technologies capable of balancing, curtailing, or deferring a customer's net EV charging demand on the electric grid.

Load Management Software	Load Management Hardware	On-Site Energy Storage	Energy Storage Integrated EVSE

As part of the program review, the Joint Utilities filed comments reporting on the results of the programs after the first six months of operation. These comments **(1) highlight strong customer interest**, with a pipeline of over 142 interested pre-commitment projects that span a diverse set of technologies, including battery storage, load management hardware, and load control software; and **(2) recommend that LMTIPs continue.**

Demand Charge Alternatives Biennial Review

On January 31, 2025, Staff commenced the Demand Charge Alternatives biennial review process and requested stakeholder comments regarding the Demand Charge Rebate programs and the Downstate Commercial Managed Charging Programs.

- The Upstate and Downstate utilities' comments note that these solutions remain necessary to provide operating cost support for commercial chargers
- Other commenters expressed support for the downstate Commercial Managed Charging Program and positive experiences with the Demand Charge Rebate
- The Joint Utilities also submitted annual reports on the programs that are currently offered in their service territories
  - Upstate utilities reported on the Demand Charge Rebate program
  - Downstate utilities reported on the Demand Charge Rebate and the Commercial Managed Charging Program

Upcoming Stakeholder Engagement Opportunities

Comments requested by July 7, 2025 on Proprietary Plug Status Designations.

- See the following documents in Case 18-E-0138 for more information:
  - The Petition for J3400 Non-Proprietary Status filed on February 24, 2025
  - Staff's questions filed on April 17, 2025

Comments requested by July 6, 2025 on the Modified Queue Management Proposal drafted by Staff through collaboration with the Electric Vehicle Infrastructure Interconnection Working Group

- See the following document in Case 18-E-0138 for more information:
  - Modified Proposal for Streamlined Vehicle to Grid Queue Management in Electric Vehicle Make-Ready Program and Other Programs filed on April 14, 2025

Q&A Session

Moderated by: Matt Robison, ICF

Q&A Session

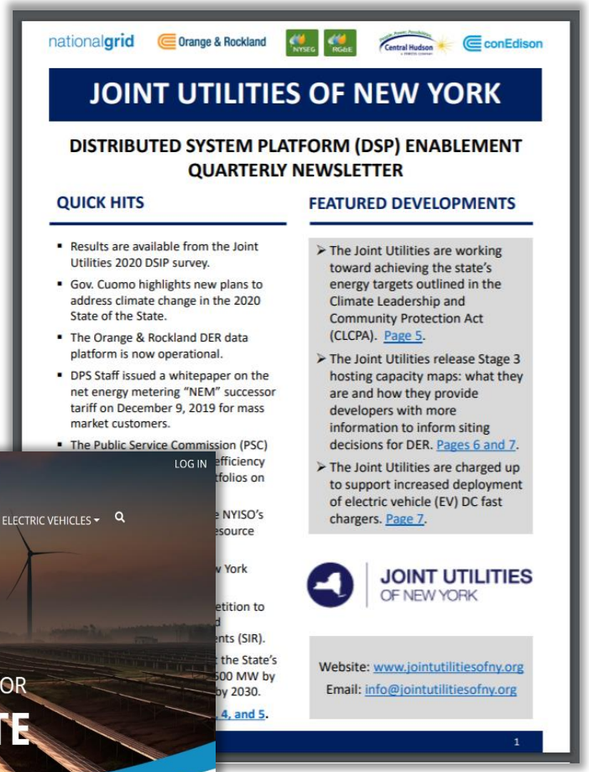
Please submit questions via the 'question function' on the webinar interface

Additional questions may be emailed to info@jointutilitiesofny.org following the webinar

Visit www.jointutilitiesofny.org for more information

Quarterly Newsletter

Check out our quarterly newsletter with meaningful, substantive updates related to the DSIPs



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Thank you!

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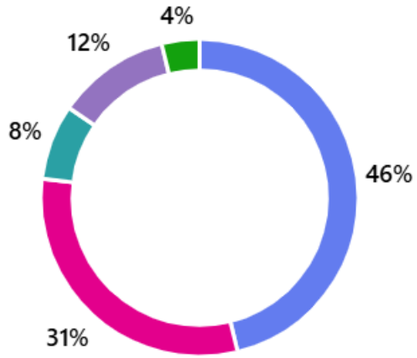
Appendix

Training Survey – Responses Summary

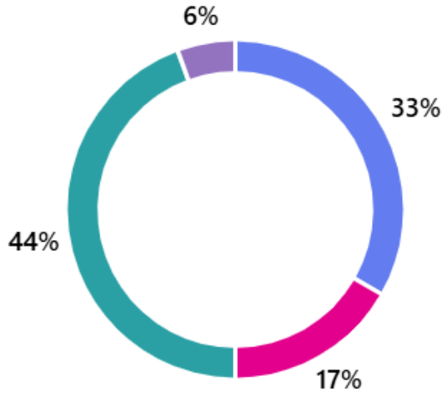
Which map(s) do you primarily use? (Select all that apply)

Solar PV Hosting Capacity Maps	12
Energy Storage Hosting Capacity Maps	8
Electrification Maps	2
I use multiple maps equally	3
I don't currently use these maps	1



How would you rate your current understanding of these maps?

Beginner	6
Intermediate	3
Advanced	8
Expert	1



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Training Survey – Responses Summary

Rank the aspects of the maps you would like the training to cover, in order of priority (1 being the most important, 6 being the least).

1 Understanding data layers and their meanings

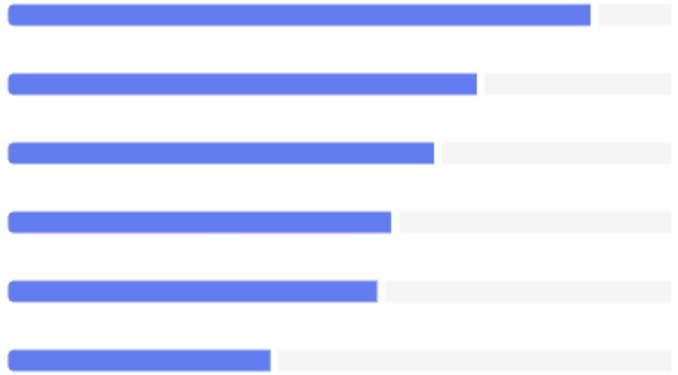
2 Differences between PV and storage hosting capacity calculations

3 Interpreting color codes and numerical values

4 Basic navigation and interface

5 Exporting and using map data

6 Differences between utility service territories



	1st Choice	2nd	3rd	4th	5th	6th
Data layers and their meaning	35% (6)	35% (6)	18% (3)	6% (1)	6% (1)	-
PV and Storage HC calculations	18% (3)	12% (2)	35% (6)	18% (3)	18% (3)	-
Color codes and numeric values	6% (1)	24% (4)	18% (3)	35% (6)	12% (2)	6% (1)
Navigation and Interface	24% (4)	6% (1)	18% (3)	12% (2)	6% (1)	35% (6)
Exporting and using map data	12% (2)	18% (3)	6% (1)	24% (4)	18% (3)	24% (4)
Utility service territories	6% (1)	6% (1)	6% (1)	6% (1)	41% (7)	35% (6)

Training Survey – Responses Summary

Is there another aspect of the maps you would like training to cover?

Respondents identified several additional areas for training, emphasizing a strong desire for practical and integrative skills. Key themes included:

- **Integration of External and Related Data:** Multiple respondents indicated interest in combining hosting capacity maps with external tools and resources (e.g., Google Streetview, county parcel maps) as well as load data and substation data from sources like IEDR.
- **Capacity and Load Analysis:** Respondents wanted a deeper understanding of capacity requirements for specific use cases, such as solar projects, housing developments, and load growth considerations, including nighttime capacity availability.
- **Data Completeness, Accuracy, and Updates:** Participants expressed interest in training that addresses variations between utilities, frequency and timing of map updates, and clarity about existing infrastructure and conditions affecting capacity.

Training Survey – Responses Summary

Rank the use-cases you are most interested in learning about?

1 Solar PV project siting and interconnection

2 Identifying constraints in the distribution system

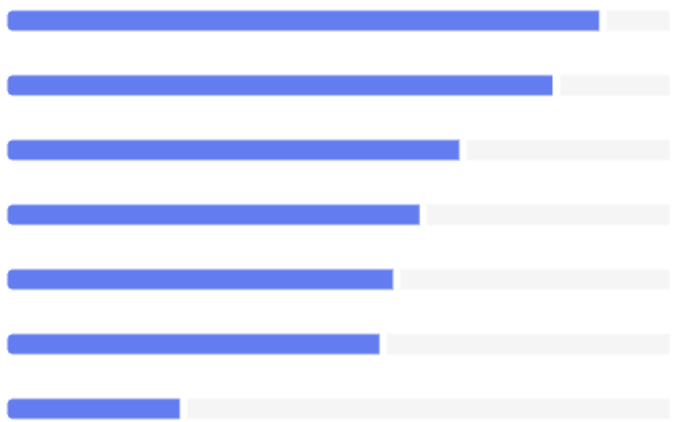
3 Understanding system upgrade requirements

4 Energy storage project siting and interconnection

5 Evaluating potential locations for new developments

6 Combined solar PV and storage projects

7 Electric Vehicle (EV) charging station planning



	1st	2nd	3rd	4th	5th	6th	7th
Solar PV siting and interconnection	50% (8)	19% (3)	-	13% (2)	13% (2)	6% (1)	-
Constraints in the distribution system	19% (3)	19% (3)	38% (6)	13% (2)	13% (2)	-	-
System upgrade requirements	13% (2)	6% (1)	13% (2)	50% (8)	6% (1)	13% (2)	-
ES siting and interconnection	6% (1)	19% (3)	19% (3)	-	31% (5)	25% (4)	-
Locations for new developments	6% (1)	13% (2)	19% (3)	19% (3)	13% (2)	13% (2)	-
EV charging station planning	6% (1)	-	-	-	-	19% (3)	69% (11)

Training Survey – Responses Summary

Are you interested in learning about any other use-cases? Please specify. How would you rank this use-case?

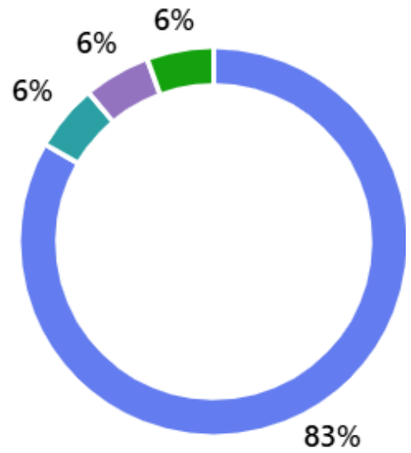
Five respondents offered additional use-case suggestions.

- **Electric Vehicles (2 responses):**
  - **Medium/Heavy-Duty EV (MHDEV)** siting was highlighted as distinct and highest priority (#1). (1 respondent)
  - **Dynamic Hosting Capacity Analysis (HCA)** involving detailed hourly scenarios was ranked highly (#2) by the same respondent.
- **Battery Storage (1 response):**
  - Nighttime capacity for battery exports (also shared this in response to question 4)
- **Large End-User Loads (1 response):**
  - Evaluation of large loads (up to 5 MW) ranked as moderately important (#3).
- **Future-Focused/Regulatory (2 responses):**
  - Identifying future Critical Infrastructure Projects (CIPs) was noted without rank.
  - Incorporation of Virtual Power Plants (VPP) and FERC 2222 considerations was also suggested without explicit ranking.

Training Survey – Responses Summary

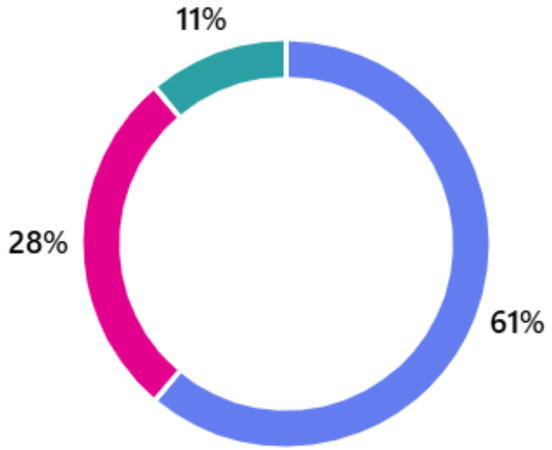
What is your preferred format for the training?

Live Webinar with Q&A	15
Pre-recorded video sessions	0
Written guidance with screenshots	1
Interactive modules	1
In-person workshop	1



How much time are you interested in dedicating to this training?

1-2 hours	11
3-4 hours	5
5-6 hours	2



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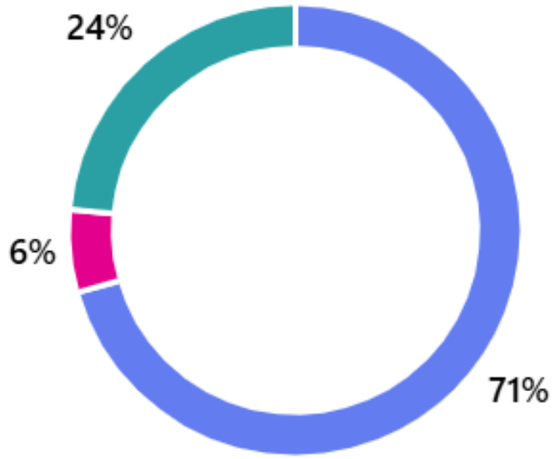
Training Survey – Responses Summary

Would you be interested in separate sessions for beginner and advanced users?

Yes	12
No	1
No Preference	4



Training Survey – Responses Summary

Which aspect of the HC Maps do you find most challenging to understand or use?

Respondents highlighted several key challenges impacting their understanding and use of HC maps:

- **Data Interpretation and Clarity:**
  - Difficulties interpreting data fields, specifically understanding their interrelationships and predictive uses.
  - Unclear or shifting attribute labels and meanings in pop-up fields.
  - Non-functional or confusing map legends.
- **Data Completeness and Relevance:**
  - Limited availability or insufficient detail for sub-transmission system data.
  - Understanding distinctions between nighttime storage (ESS) capacity and daytime PV generation capacity.
- **Alignment and Updates:**
  - Misalignment between hosting capacity data and interconnection screening/study processes.
  - Concerns over data update frequency and timeliness.

Training Survey – Responses Summary

How do you (plan to) use which maps in your work?

Respondents primarily indicated using Hosting Capacity maps for **site evaluation and selection**, particularly for solar installations. The most mentioned use-cases were:

- **Solar Project Siting (most frequently cited):**
  - Identifying viable locations and substations for solar projects.
  - Advocating for larger-scale solar installations.
  - Assisting local stakeholders in selecting least-conflict sites.
  - Educating municipal officials and landowners on local system capacity for solar development.
- **Combined Solar and Storage Facilities:**
  - Evaluating sites suitable for combined PV and energy storage systems (ESS).
- **Early-Stage Planning and Development:**
  - Conducting initial feasibility assessments and evaluations for new projects.
  - Guiding customer discussions around project viability.
- **Training and Outreach:**
  - Integrating HC maps into training programs with municipalities and stakeholders.

Training Survey – Responses Summary

Is there anything else you'd like us to know as we develop this training?

Respondents provided limited additional feedback, but two notable suggestions emerged:

- Provide calculators related to grid feasibility and equipment on transmission lines.
- Consider evolving maps toward detailed, hourly (576-hour style) Hosting Capacity Analysis.

Training Survey – Trends by Stakeholder Group

Stakeholder Group	Trend
Developers & Installers	**Practical Project Focus**: Primarily interested in using HC maps for solar and storage project siting, feasibility analysis, and understanding practical distinctions (daytime PV vs nighttime storage capacity).
Regulators & Gov Agencies	**Data Clarity & Regulatory Alignment**: Prioritized clear, consistently updated data aligned closely with interconnection screening procedures and regulatory processes.
Advocacy Groups	**Community Engagement & Data Integration**: Emphasized using HC maps for community education, municipal outreach, advocacy efforts, and integrating external resources (e.g., parcel maps, external load data).
Other	**Advanced Technical Analysis**: Highlighted detailed hourly hosting capacity analyses, large-scale load assessment, and forward-looking scenarios like FERC 2222 and VPP integration.

Developers seek practical, actionable insights; **Regulators** prioritize consistency and process alignment; **Advocacy groups** focus on stakeholder education; and **Education/Consulting** emphasize advanced, detailed analyses.

Training Survey – DSP response Highlight

- **Primary Map Use:** Solar PV Hosting Capacity Maps
- **Understanding Level:** Advanced
- **Key Training Priorities:** Differences between PV and storage hosting capacity calculations.
- **Additional Topics of Interest:** Emphasis on update frequency and timing of map data.
- **Use-Case Interests:** Solar PV project siting and interconnection, Identifying constraints in the distribution system, System upgrade requirements
- **Planned Use:** Project location viability assessments.
- **Preferred Training Format & Time Commitment:** Live webinar with Q&A (1–2 hours), No preference regarding separate beginner/advanced sessions.

Training Survey – NYSEIA Responses Highlights

- **Primary Maps Used:** Solar PV Hosting Capacity Maps, Energy Storage Hosting Capacity Maps
- **Understanding Level:** Advanced
- **Key Training Priorities:** Understanding differences between utility service territories and interpreting their HC data effectively.
- **Additional Topics of Interest:** Accessing load data and accurately correlating it to relevant substations, particularly when utility substation data is limited.
- **Priority Use-Cases:** Identifying constraints in the distribution system, evaluating locations for new DER projects.
- **Additional Use-Cases Suggested:** Identifying Critical Infrastructure Projects (CIPs) anticipated in 2+ years.
- **Preferred Training Format & Time Commitment:** Live webinar with Q&A, 1–2 hours.

Training Survey – IREC Responses Highlights

- **Primary Maps Used:** Multiple maps equally (Solar PV, Storage, Electrification, etc.)
- **Understanding Level:** Expert
- **Key Training Priorities:** Understanding differences between PV and storage hosting capacity; Data export and practical use of exported map data.
- **Additional Use-Cases Suggested:** Medium and Heavy-Duty Electric Vehicle (MHDEV) charging site planning (ranked #1); Dynamic Hosting Capacity Analysis with detailed hourly scenarios (576-hour or annual, ranked #2).
- **Most Challenging Aspect:** Alignment of Hosting Capacity Maps with interconnection screening processes and timely data updates.
- **Preferred Training Format & Time Commitment:** Live webinar with Q&A, 1–2 hours. Interested in separate beginner and advanced sessions.
- **Additional Suggestions:** Consider evolving maps towards detailed hourly (576-hour) style Hosting Capacity Analysis.