

JOINT UTILITIES OF NEW YORK

DISTRIBUTED SYSTEM PLATFORM (DSP) ENABLEMENT QUARTERLY NEWSLETTER

WHAT'S INSIDE

Grid of the Future Work Builds Toward Initial Reports
.....2-3

JU Launch New Program, Prepare for EV Phase-In Rate, and Respond to Make-Ready Program Changes
.....4-5

JU Expand Work on Phase 2 of the IEDR
.....6-7

JU Continue to Explore Measures to Enhance Interconnection Process Efficiency
.....8-9

Hosting Capacity Maps: Overview, Evolution, and Stakeholder Engagement
.....10-12

JU Continue to Push Ahead on NYISO's 2019 DER Participation Model and FERC Order 2222 Implementation
.....13

Tools and Informational Sources
.....14-16

Grid of the Future Work Builds Toward Initial Reports

Utilities Working with the Department of Public Service (DPS) to Increase Grid Flexibility

On April 18, 2024, the Public Service Commission issued an Order ([CASE 24-E-0165](#)) instituting a Proceeding Regarding the Grid of the Future. The Commission highlighted the opportunity for New York “to deliver a more reliable, affordable, and decarbonized grid for all New Yorkers, building upon the investments in a smart and connected grid made to date.” The objective of the proceeding is to work with utilities and market participants to deploy more flexible resources – such as distributed energy resources (DERs) and virtual power plants (VPPs) – to help advance clean energy goals and manage increasing loads as electrification advances.

One of the Commission’s key findings was that “the amount of energy generated by intermittent solar and wind resources at all grid levels will need to increase significantly between now and 2040...[which] will require a rapid increase in the scale, distribution, and impact of electrification between now and 2050. Both the changing generation resources and increasing electricity needs will drive the need to deploy more flexible resources throughout the electric system.”

The Order requires DPS Staff to conduct a Grid Flexibility Study (Study) to produce, assess, and report on the present status and future potential for flexible resources in New York’s electric system. Following the completion of the Grid Flexibility Study, the Commission directs Staff to complete and file the first iteration of the New York Grid of the Future Plan. The deadlines for these filings were recently extended to January 31, 2025, and February 28, 2025, for the Study and first iteration of the Plan respectively. The Joint Utilities (JU) have been actively supporting this work: to inform both filings, the utilities have been

providing grid data and insights on their planning process to DPS Staff and their consultants.

In addition, the Order requires that as part of the first iteration of the New York Grid of the Future Plan, DPS Staff develop a more expansive Distributed System Implementation Plan (DSIP) process that is aligned with the goals of the Grid of the Future proceeding. As part of its Reforming the Energy Vision (REV) proceeding, the Commission in 2015 established requirements for each electric utility to biennially file DSIPs describing the utility's progress and plans for implementing a Distributed System Platform (DSP). Since then, the utilities filed their initial DSIPs in 2016, followed by three subsequent DSIP updates in 2018, 2020, and 2023. The first iteration of the New York Grid of the Future Plan is expected to include an assessment of the degree to which changes will be needed in future DSIP filings to describe utility efforts to implement increased flexibility and support of VPP capability. As with other aspects of the Plan, the utilities have been actively collaborating with DPS Staff to provide insights on previous DSIP filings and to help support the process.

The overall process of developing the Study was described in a September 27 technical [conference](#), while the process for assessing future needs of the DSIP filings was described in a November 15 technical [conference](#). A December 10 technical conference provided an overview of qualitative insights from the draft Grid Flexibility Study.

JU launch New Program, Prepare for EV Phase-In Rate, and Respond to Make-Ready Program Changes

Load Management Technology Incentive Programs Launched

In response to the August 19, 2024 [Order Establishing Load Management Technology Incentive Programs \(LMTIPs\)](#), the JU filed program implementation plans on October 2 and launched their LMTIPs on November 1. The LMTIPs provide incentives for energy storage projects and other advanced load management (ALM) software and equipment. Incentives are available for customer-owned demand management technologies capable of reliably balancing, curtailing, or deferring a customer's net EV charging demand on the electric grid. Eligible technologies include on-site energy storage equipment, energy storage-integrated electric vehicle supply equipment (EVSE), load management software, and load management hardware. Further details about the program can be found on the [Joint Utilities LMTIP webpage](#) or individual utility websites.

EV Phase-In Rate Order

On October 17, the Public Service Commission issued the [Order Implementing Electric Vehicle Charging Rates for Commercial Customers](#), which approved, with some modifications, the Phase-In Rate (PIR) Proposals that the utilities filed in July 2023. The JU will file amended EV PIR tariffs in compliance with the requirements of the Order by October 17, 2025, with at least 90 days' notice (July 19, 2025) and will conduct outreach to customers who participate in the Demand Charge Rebates or Commercial Managed Charging Programs to notify them of the availability of this new rate. Details of the design of each utility's PIR can be found in the utilities' tariff filings under [Case 22-E-0236](#) on the DPS document and matter management system.

New Standards take effect for EV Make-Ready Program Installations

Electric Power Research Institute (EPRI) released a new version of their [Vetted Product List \(VPL\)](#) which shows EV charging equipment that is eligible to be installed through the Joint Utilities of New York's Make-Ready Program, according to new requirements from the Midpoint Review Order. Under the new requirements, DCFC equipment incentivized through the program must have 1) hardware that conforms to ISO 15118-3 and is capable of enabling software conforming with either ISO 15118-2 or -20; 2) Software that conforms to ISO 15118-2 or -20; and 3) hardware that conforms to OCPP 2.0.1 or later. These requirements will apply to Level 2 projects committed on or after June 1, 2025. EPRI's VPL will be a resource for utility customers choosing eligible equipment to install at their Make-Ready project sites and will eventually replace the Eligible Equipment List hosted on the [Joint Utilities website](#), which will be removed on March 1, 2025.

JU Expand Work on Phase 2 of the IEDR

JU Continue Phase 2 Development Activities, Prepares for Green Button Connect Testing and Advances the IEDR Through Regulatory Engagement

Throughout the fourth quarter, the JU advanced work for Phase 2 of the Integrated Energy Data Resource (IEDR), NYSERDA's centralized, state-wide platform which provides access to energy data and information from New York's electric, gas, and steam utilities. The JU's engagement will help ensure process improvements are able to support consistency, quality, and security of data delivery pipelines and bulk data exchange solutions for the IEDR.

The JU continued to focus on the data delivery requirements necessary for the Phase 2 use cases. The JU engaged with the IEDR Development Team to develop the data sets and single sign-on validation necessary to support the first phase of Green Button Connect (GBC) certification. Additionally, the parties shared best practices and prior lessons learned on reporting aggregated, anonymized energy-related data through the Utility Energy Registry (UER) and hosting capacity maps to enable migration of these tools to the IEDR. Finally, the JU continued one-on-one meetings with FluxTailor on the Rate Plan Data use case before the release of the updated rate plan data schema. Further development of the Rate Plan use cases will yield various cost estimating tools for customer participation in utility programs and support the implementation of consistent cost-estimating tools across New York State.

On the regulatory front, the JU filed a petition on October 31 asking DPS for clarification on Phase 2 cost recovery elements including guidance on collection schedule via the bill-as-you-go methodology. On November 19, the Public Service Commission delivered an Order Approving Tariff Amendments related to IEDR data sharing and directing each utility to utilize the specific language the utilities provided in their December 1, 2022, JU Petition

Seeking Commission Direction Regarding the Direct Sharing of Protected Customer Data. The utilities all filed the ordered tariff modifications in late November and will continue to engage DPS concerning how best to evolve tariff language as needed in the rapidly changing landscape of data security.

JU Look Toward Further Engagement on Phase 2 Use Cases in 2025

In September, the JU and IEDR Development Team initiated conversations on future Phase 2 use case discovery and development. This process will focus on thematic groups encompassing various use cases that align with the IEDR's role as a foundation to support energy policy goals in New York State, including the Climate Leadership and Community Protection Act (CLPCA). Throughout the quarter, the JU highlighted areas where it can provide effective input to support the discovery and development process for use cases related to community energy planning and whole building energy consumption. These efforts will help communities across New York State access important data related to developing and implementing more effective clean energy strategies and programs.

JU Continue to Explore Measures to Enhance Interconnection Process Efficiency

In recent months, the JU have discussed and aligned on changes to the Standardized Interconnection Requirements (SIR) with Industry. These revolve around edits to Screen E (Simplified Penetration Test) and Screen G (Supplemental Penetration Test) in the SIR. Following discussions, the JU have made edits to both screens to provide additional clarity for developers.

The JU also finalized its stance on the UL 1741 SB waiver, extending the compliance date to July 2025 and requesting an interim status check in January 2025. This action is in response to a request from Industry to extend the waiver, as there is a lack of UL 1741 SB certified EV chargers in the market. Additionally, based on explorations on the source requirements document for UL 1741 SA, the JU concluded that UL 1741 SA certified Electric Vehicle Supply Equipment (EVSE) systems/ applications can prevent the export power to the grid.

In October, the majority of the JU's time was spent on debriefing from the September Interconnection Technical Working Group (ITWG) meeting with DPS and Industry, as well as preparing for the next meeting in November. The main items of discussion included updates to the SIR Cost Inventory Matrix and consideration of a developer's proposal for Self-Performance/ Self-Build solutions. On the cost matrix, the JU made changes to make a few of the column headings clearer. The self-performance solutions proposal entailed a presentation by a developer seeking to take on some of the responsibilities of building system equipment for new DER interconnections. The developer sought utility feedback on whether such an approach could be piloted in the JU's service territories. The JU provided commentary on the proposal on aspects such as developer construction of equipment upstream of the point of interconnection (POI), cost savings, and onboarding of the developer's preferred contractors.

Industry has also raised the concept of a new Preliminary Screening Report for inclusion in the SIR. This report would include the addition of four new items to the existing Pre-Application Report (Appendix D in the SIR). The JU were asked to consider the time and effort required to provide these additional data points, and how best to incorporate the new report within the SIR (as part of the pre-application report or in the preliminary screening process). Discussions on this topic with DPS and Industry are underway.

Hosting Capacity Maps: Overview, Evolution, and Stakeholder Engagement

Overview

Hosting Capacity (HC) estimates the amount of DER that can be accommodated on a distribution circuit without negatively impacting power quality or reliability under current system configurations and without requiring infrastructure upgrades.

Currently, HC Maps provide insights into three primary areas:

- Photovoltaic Hosting Capacity
- Energy Storage System (ESS) Hosting Capacity
- Electrification Load Serving Capacity

Continued Evolution

The JU's Hosting Capacity Roadmap outlines a phased approach to map development and enhancement, ensuring the tools remain responsive to New York's changing energy landscape. Key milestones include:

Stage 1 (2016-2017): Introduction of basic distribution indicators.

Stage 2 (2017-2018): HC evaluations with utility-specific methodologies.

Stage 3 (2019-2020): Advanced evaluations, including sub-feeder level data and existing DER integration.

Stage 3.5 (2021-2022): Launch of ESS HC Maps.

Stage 4.1 (2023): Sub-feeder level storage HC maps with expanded functionality.

Stage 4.1+ (2024): Addition of Electrification Load Serving Capacity Maps. So far, this includes the following.

- Sub-feeder level information for storage HC maps
- Distribution generation (DG) connections since the last HC refresh
- Nodal constraints (criteria violations on PV and storage maps)
- Cost Share 2.0 items on PV and storage maps
- Additionally, the JU provided six-month updates for circuits with DG increases greater than 500kW on PV maps, links to access 8760 data, and made storage HC data available via API.
- Publication of pricing transmission interface device (PTID) nodes 2. Synchronization of PV and ESS HC map updates 3. Launch of new Electrification Load Serving Capacity Maps 4. Progress on the IEDR Program 5. Ongoing collaboration with the ITWG.

We are also planning to add “Transmission Constraint Notes” as a data field on the HC Maps. These additions are planned to clarify upstream system limitations, helping stakeholders identify potential challenges early in the planning process.

Stakeholder Engagement and Upcoming Initiatives

Training Opportunity – Fall 2025

In response to the numerous inquiries and valuable feedback we've received regarding our HC Maps, we are pleased to announce an upcoming training opportunity. This initiative aims to enhance your understanding and ability to effectively utilize these important resources.

The training is scheduled for delivery in Fall 2025. While the exact format is yet to be determined, we are exploring options such as live webinars, pre-recorded sessions, or a combination of both to maximize accessibility and engagement.

The training will focus on key topics, including what the maps encompass, how to navigate them effectively, and practical applications of the data they provide.

Your input is vital to ensure the training meets your needs. In the coming months, we will conduct a survey designed to gather your feedback. Through this survey, you'll have the opportunity to:

1. Highlight the topics you're most interested in.
2. Share your preferred format for the training sessions.
3. Submit any specific questions you have about the Hosting Capacity Maps.

Spring Stakeholder Session – May 2025

Per usual, our annual stakeholder session is planned for May 2025. This session will provide updates on HC Maps, address questions raised in the stakeholder survey, and highlight progress on planned enhancements. Invitations will be sent in April 2025.

If you'd like to review information from the last session held in May 2024, which focused on developments and feedback, you can view the slide deck [here](#).

JU Continue to Push Ahead on NYISO's 2019 DER Participation Model and FERC Order 2222 Implementation

With FERC's acceptance of the New York Independent System Operator's (NYISO) proposed 2019 DER Participation Model in April 2024 and the go-live of the market on April 17, 2024, the JU continued to engage and hold productive discussions with the NYISO to enable DER aggregator participation in NYISO markets. Most recently, the JU held discussions on the topic of documentation that would be required from aggregators and customers enrolling in DER aggregations. The JU discussed a list of documents that they would require from aggregators and customers, and this list served as the basis for the discussion. The documents include non-disclosure agreements (NDAs), 3rd party risk agreements, interconnection data security riders, aggregator operating agreements, a DERA letter of authorization, and a wholesale distribution service agreement. The group also reviewed an updated draft of the duplicative compensation matrix following updates. Discussions on this topic are ongoing.

The JU also held a call with NYISO to discuss NYISO's DER aggregator enrollment file. Specifically, the JU would like to see functionality included in the file to indicate when a customer who's occupying a premise enrolled in an aggregation moves in or out of the premise. The JU will continue to engage with NYISO on this topic.

The JU are also continuing to discuss their respective company's efforts to establish telemetry with DER aggregators. Accurate and timely sharing of information between Aggregators and the JU will help provide the JU visibility into DER operations, in turn maintaining system safety and reliability.



Tools and Informational Sources

Advanced Forecast	Joint Utilities Joint Utilities: Overview of Currently Accessible System Data Joint Utilities: Load Forecasts Joint Utilities: Historical Load Data				
Beneficial Locations	Joint Utilities Joint Utilities: Beneficial Locations				
Customer Data	Central Hudson Central Hudson: Privacy Policy	Con Edison Con Edison: Customer Energy Data	National Grid National Grid: NY System Data Portal	NYSEG RG&E NYSEG: Your Energy Data	O&R O&R Information on Requesting Aggregate Whole Building Data O&R Energy Service Company EDI O&R New York Rates and Tariffs O&R Share My Data
DER Integration & Inter-connection	Joint Utilities Joint Utilities: Distributed Generation Joint Utilities: Interconnection Joint Utilities: SIR Pre-Application Information				
	Central Hudson Central Hudson: Distributed Generation Homepage Central Hudson: Interconnection Queue	Con Edison Con Edison: Private Generation Energy Sources	National Grid National Grid: Systems Data Portal National Grid: Interconnection	NYSEG RG&E A Developer's Guide to the NYSEG/RG&E Interconnection On-line Application Portal NYSEG - Online Portal RG&E - Online Portal NYSEG - Queue RG&E - Queue <i>SIR Inventory requests:</i> NYRegAdmin@avangrid.com	O&R O&R: Distributed System Platform O&R Private Generation Energy Sources

Energy Efficiency	Central Hudson Central Hudson: Energy Efficiency	Con Edison Con Edison: Energy Star	National Grid National Grid: Energy Savings Programs	NYSEG RG&E NYSEG: Smart Energy RG&E: Energy Efficiency Incentives	O&R O&R: Energy Efficiency Rebates
Energy Storage	Central Hudson Central Hudson: Projects	Con Edison Con Edison: Energy Storage	National Grid National Grid: Battery Programs	NYSEG RG&E NYSEG RG&E: Energy Storage Service Agreement	O&R O&R Private Generation Tariffs
EV Integration	Joint Utilities Joint Utilities: EV Programs Joint Utilities: Approved Contractor List with New Filter Capabilities				
	Central Hudson Central Hudson: EV Homepage	Con Edison Con Edison: Electric Vehicles	National Grid National Grid: Upstate NY Electric Vehicles Hub	NYSEG RG&E NYSEG: Electric Vehicles RG&E: Electric Vehicles	O&R O&R Electric Vehicles Information O&R Electric Vehicle Guest Drive Event Video
Hosting Capacity	Joint Utilities JU Utility Specific Hosting Capacity				
	Central Hudson Central Hudson: Hosting Capacity Maps	Con Edison Con Edison: Hosting Capacity	National Grid National Grid: ESRI Portal	NYSEG RG&E NYSEG/RGE Hosting Capacity Map	O&R O&R Hosting Capacity and System Data
NWAs	Joint Utilities Joint Utilities: Utility-Specific NWA Opportunities				
	Central Hudson Central Hudson: NWAs	Con Edison Con Edison: Non-Wires Solutions	National Grid National Grid: NWA	NYSEG RG&E NYSEG - Non-Wires Alternatives RG&E - Non-Wires Alternatives	O&R Non-Wires Alternatives Opportunities Portal

**Progressing
the DSP**

Joint Utilities

[Joint Utilities: Utility DSIPs](#)

[Joint Utilities: Capital Investment Plans](#)

[Joint Utilities: Electric Reliability Reports](#)