JOINT UTILITIES OF NEW YORK

DISTRIBUTED SYSTEM PLATFORM (DSP) ENABLEMENT QUARTERLY NEWSLETTER

WHAT'S INSIDE

Progress on Distributed System Implementation Plan

Evolution of Distributed System Implementation Plan in New York

The Distributed System Implementation Plan (DSIP) is a foundational regulatory framework developed to guide New York's transition to a more modern, distributed, and customer-centric electric grid. In its February 26, 2015 order, the New York Public Service Commission (Commission) directed the investor-owned electric utilities to develop and file initial demonstration project proposals as part of the broader Reforming the Energy Vision (REV) initiative (Case 14-M-0101). The REV initiative aimed to transform the state's energy system to be cleaner, more resilient, and more efficient, with a strong emphasis on integrating distributed energy resources (DERs). REV ultimately included a requirement for utilities to file the DSIP: biennial filings outlining how they will fulfill their responsibilities as Distributed System Platform (DSP) providers. The DSIP serves as the central mechanism through which the companies communicate their strategies, progress, and plans for implementing DSP capabilities.

Over time, the DSIP has evolved. Filings are informed by ongoing guidance from Department of Public Service (DPS) staff, stakeholder input, and new regulatory priorities for state policy. Utilities have filed DSIPs in 2016, 2018, 2020, and 2023, and is scheduled again for 2025 (see Figure 1).

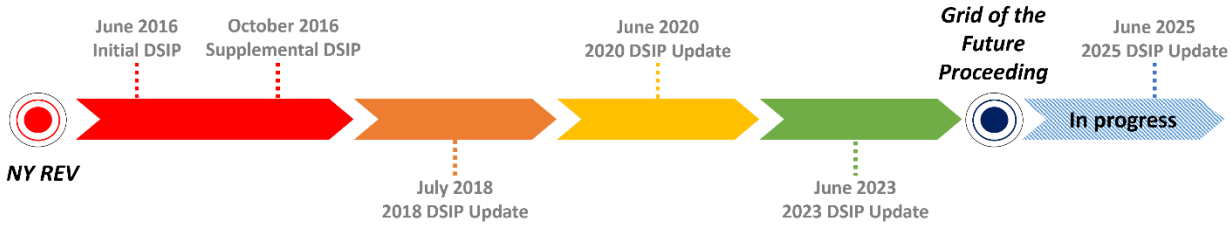

Figure 1 Timeline of the DSIP filings

2025 DSIP Filings Updates

As with previous filings, this DSIP highlights both the foundational investments and the advancements in utility capabilities that have driven meaningful progress toward our long-term vision as DSPs. It adheres to the most recent guidance issued by DPS (see the First Iteration of the Grid of the Future Plan), which came before the Grid of the Future proceeding. Consequently, this DSIP does not directly address Grid of the Future elements, although many, if not most, of the advancing DSP capabilities described in the DSIP are foundational to Grid of the Future objectives. The JU have been actively engaged in the Grid of the Future process and are beginning to explore how prior achievements and ongoing DSP development efforts can help unlock greater value of flexible resources as part of our forward-looking strategy.

Ongoing Stakeholder Engagement

The Joint Utilities have consistently embraced the original DSIP Order's call for robust and ongoing stakeholder engagement as a foundational element of its development and implementation. The JU continues to prioritize stakeholder engagement through multiple channels: this Quarterly DSP Newsletter provides detailed updates on DSP-related plans; our Bi-annual Stakeholder Webinar shares updates on current DSP activities in an overview form; the JU maintains a website which provides significant data and information about DSP-related initiatives; and the JU actively participates in DPS-led forums such as the Interconnection Technical Working Group (ITWG), Integrated Planning Working Group (IPWG), and Information Sharing Working Group (ISWG), ensuring alignment with evolving regulatory and technical expectations.

Progress on Grid of the Future and Evolving the Grid Through 2040

On April 18, 2024, the Public Service Commission (Commission) issued an Order (CASE 24-E-0165) instituting a Proceeding Regarding the Grid of the Future. The Objective of the Order is to unlock innovation and investment to deploy flexible resources – such as DERs and virtual power plants (VPPs) – to achieve New York's clean energy goals at a manageable cost and at the highest levels of reliability.

The First Iteration of the Grid of the Future Plan (CASE 24-E-0165; Filing number #21) was delivered on March 31, 2025, which includes both retrospective and prospective assessments of utility DSIPs and makes recommendations to enhance future versions of the DSIPs.

The Grid Flexibility Potential Study Volume 3: Supplemental Analysis (CASE 24-E-0165; Filing number #21) was also delivered on March 31, 2025. The Volume 3 report expands upon the Grid Flexibility Potential Study to incorporate additional areas of research interest, including: an assessment of hourly granularity of flexibility options, a sensitivity analysis of flexibility potential for a range of study assumptions, the exploration of additional grid flexibility technologies, and considerations for low-income customers and disadvantaged communities.

The Phase 1 and Phase 2 work will be leveraged to inform a Second Iteration of the Grid of the Future Plan. The DPS is currently engaged in the next phase of the Grid of the Future proceeding, and the JU expect to be active participants working collaboratively with Staff and Stakeholders to shape and implement the Vision for the Grid of the Future.

EV Programs Driving Forward

Comments Solicited on Non-Proprietary Plug Types in the Make-Ready Program

Following a petition submitted by Tesla in February to establish the J3400 connector as non-proprietary, the Commission issued a Notice Soliciting Comments on the Proprietary Plug Status on April 17. Previously, in early 2025, the Commission had held a technical conference on this topic, where presenters from Tesla and EVgo urged the Commission to classify the J3400 connector as non-proprietary due to the formalization by the Society of Automotive Engineers (SAE) of the J3400 connector as an open standard and a Recommended Practice. This most recent Notice from the Commission included a series of questions focused on two key areas: 1) proprietary vs. non-proprietary plug designation, and 2) public accessibility. The Joint Utilities' comments address these questions and also reference earlier feedback provided in response to Staff's questions posed as part of the technical conference earlier this year. The comments will be available on DMM under Case 18-E-0138 by July 7.

Recent EVWG Petitions

The Joint Utilities are seeking Commission action approving adjustments to the Light-Duty Managed Charging Programs and the Medium- and Heavy-Duty Pilot Program (MHD Pilot). The utilities submitted a petition on April 9 to continue the Light-Duty Managed Charging Programs through 2026 and initiate a process to reauthorize them beyond 2026, as well as to allow O&R to shift portions of its budget for implementation and enrollment. Currently, the programs are authorized only through the end of 2025. Central Hudson, Con Edison, National Grid, and O&R also signed onto a petition to expand eligibility for customer-side incentives through the MHD Pilot. They expect that the Pilot program's low enrollment is

due to restrictions on the availability of customer-side incentives, and advocate for opening eligibility for these incentives to projects building shared charging hubs, projects located outside Disadvantaged Communities, and projects without a voucher incentive. Disbursement of customer-side incentives to these project types would make many more MHD charging projects throughout the state cost-effective and would be a good use of the underutilized funds currently allocated to the Pilot. Both of these petitions can be found on DMM under Case 18-E-0138.

Demand Charge Alternatives Biennial Review

On January 31, 2025, Staff commenced the Demand Charge Alternatives biennial review process. As part of this review, comments were requested regarding the Demand Charge Rebate programs and the Downstate Commercial Managed Charging Programs. The Upstate and Downstate Utilities submitted comments confirming that these solutions remain necessary to provide operating cost support for their commercial charging customers. Other commenters expressed similar sentiments and were supportive of the programs. In addition to the comments as part of the biennial review, the Joint Utilities also submitted annual reports on the programs currently offered in their service territories. The comments and reporting can be found on DMM under Case 22-E-0236.

Update on the Make-Ready and LMTIP Program Reviews

The last newsletter update announced the launch of the Program Review periods for the Make-Ready Program and Load Management Technology Incentive Program (LMTIP). The utilities filed comments on both programs in April, and the review periods are ongoing. Comments on the Make-Ready Program review can be found on DMM under Case 18-E-0138, and comments on the LMTIP review can be found under Case 22-E-0236.

JU Continue to Advance Access to Useful Data and the Green Button Connect Use Case

Quarter 2 (Q2) saw the JU continue to support NYSERDA's Integrated Energy Data Resource (IEDR) program, which entered its second year of Phase 2. Once operational, the IEDR platform will serve as a centralized, state-wide clearinghouse providing access to energy data and information from New York's electric, gas, and steam utilities, and other sources.

During Q2, the scope of activities was scaled back by the IEDR Team, with priority placed on data delivery and transfer, and advancement of the Green Button Connect (GBC) functionality. The JU continued to assist the IEDR Team in developing the mechanisms to process the large amounts of utility data required for Phase 2 use cases. Activities identified best practices reporting and processing aggregated, anonymized, energy-related data and identified additional areas to streamline data deliveries for data streams related to utility electricity networks, customer data, and utility rates and tariffs. The JU's continued focus on security, quality, and increasing automation opportunities to ensure data delivery to the IEDR platform will prove instrumental in enabling transfers of Phase 2 use case data.

The JU also engaged with the IEDR Team via one-on-one collaboration throughout Q2. These meetings resulted in progress integrating the single sign-on (SSO) security feature necessary for GBC functionality, which represents an important advancement in the development of that use case. Parties also discussed aspects of data quality and strategies to ensure timely review of utility data transfers.

In May, the Utility Coordination Group (UCG) meetings were paused indefinitely by NYSERDA due in part to the IEDR Team's proposal for a new Subcommittee on Data Governance; this proposed subcommittee was inspired by the JU's request for additional

collaboration on the transfer and delivery of utility data. The Subcommittee is structured into three focus areas: network data, customer data, and rate plan data. Conversations within these subcommittees is expected to focus on the development of Phase 2 use case work plans, strengthen collaboration on data transfer processes, and facilitate project planning and resource allocation to ensure timely development of Phase 2. Over the long term, these activities will provide the building blocks for the data specifications necessary to organize energy data for delivery to the IEDR platform and provide benefits for New York State ratepayers.

Hosting Capacity and Electrification Maps: Recent Updates and User Feedback

The Integrated Planning Working Group is excited to share this Spring 2025 update, highlighting progress on key initiatives supporting DER integration and New York's clean energy goals. This issue covers:

- Recent enhancements to Hosting Capacity and Electrification Maps
- Ongoing coordination with the IEDR team
- Key findings from our stakeholder survey
- A new, survey-informed training series launching this fall

These efforts reflect our continued focus on transparency, usability, and responsiveness to stakeholder needs.

2025 Hosting Capacity Map Refresh

As part of the annual refresh cycle, all Joint Utilities have updated their solar PV and energy storage Hosting Capacity Maps. These updates incorporate recent circuit-level changes and continue the six-month refresh cadence for circuits with high DER activity. Enhancements include improved metadata visibility and greater clarity around constraints impacting interconnection.

Electrification Map Enhancements

In January, the Joint Utilities transitioned the EV Hosting Capacity Maps into broader Electrification Maps, offering a more comprehensive planning tool. The latest updates include:

- Both summer and winter load capacity views
- Circuit-level voltage detail
- Identification of radial vs. network areas
- Environmental Justice (EJ) indicators
- New annotations highlighting potential upstream constraints

These features expand the maps' usefulness beyond EV charging to support fleet planning, building decarbonization, and community-based infrastructure siting.

IEDR Alignment

We continue to coordinate closely with the NYSERDA-led Integrated Energy Data Resource (IEDR) team to ensure alignment between our maps and the broader statewide energy data infrastructure. This includes:

- Ongoing communication around data definitions and update protocols
- Synchronization of refresh timelines and metadata
- Supporting IEDR use cases with reliable hosting capacity inputs

These efforts aim to improve consistency and accessibility for developers, planners, and policymakers alike.

Stakeholder Survey

This winter, we conducted a survey to better understand how stakeholders use the maps and what challenges they face. We received responses from developers, regulators, advocacy groups, consultants, and municipal planners. Key findings include:

Common Use Cases

- Early-stage solar PV and storage siting
- Combined solar + storage project planning
- MHDEV (Medium/Heavy Duty EV) fleet siting
- Stakeholder training and municipal outreach

Top Challenges

- Interpreting map fields and attribute labels
- Aligning map values with interconnection study results
- Inconsistent update timing across utilities
- Confusion over nighttime vs. daytime hosting capacity

Training Needs

Respondents want more than navigation—they need practical, integrative skills, such as:

- Combining maps with tools like Google Street View, parcel maps, and IEDR load data
- Understanding upstream and substation constraints
- Performing preliminary feasibility assessments

Training Initiative

Based on survey feedback, the Integrated Planning Working Group will launch a two-part virtual training series this fall, with separate tracks for beginner and advanced users:

Beginner Track:

- Basic navigation and terminology
- Key data layers and what they mean

- Locating viable interconnection points
- Use cases for solar siting and planning

Advanced Track:

- Interpreting substation constraints
- Comparing data across utilities
- Integrating maps with external tools and data sets
- Use-case deep dives: MHDEV siting, nighttime storage, load growth

Each session will be a live webinar with Q&A, approximately 1 hour long. Registration will be shared this fall.

Stay Connected

We deeply value stakeholder input and collaboration. If you have questions or feedback, please reach out: info@jointutilitiesofny.org

JU Explore Technical Considerations for EV Integration

The JU kicked off Q2 with a debrief from the March ITWG meeting with DPS and Industry. The JU conveyed their preference for discussing the self-performance solutions initiative in the IPWG. The JU also identified new topics for future internal discussion, including V2G/V2X initiatives, voltage concerns from DER penetration, and separate study mechanisms for assets sized between 50 and 300 kW.

In April, the primary discussion topic was V1G and vehicle-to-grid (V2G) configurations due to the increasing number of electric vehicles (EVs) in New York and the limited JU EV technical interconnection practices. The JU identified various EV configurations and debated the required standards and devices, as well as whether an interconnection application and/or study would be required. The utilities are primarily concerned with preventing backfeed from EVs during grid outages and ensuring EVs that are not intended to export do not export when in parallel with the grid. The JU created a decision tree to help align the companies on EV interconnection requirements and develop questions for conversations with UL solutions. This decision tree also includes cases where EVs are paired with solar and batteries and scenarios where customers do not have the required certifications. During their detailed examination of the EV decision tree, the JU made refinements, including removing references to the UL 1741 CRD for PCS and noting that UL 3141 has not yet been accepted and approved by the JU.

The JU also explored modifications to the CESIR Screen #7 to incorporate the operational characteristics of batteries, which could impact the lifetime of voltage-regulating devices. Additionally, they are making progress on the adoption of the EPRI Common File Format (CFF) and coordinating with the Interstate Renewable Energy Council (IREC) during the Forum for Grid Inverter Integration (FIGII) sessions to drive inverter manufacturer adoption

of the CFF. It is anticipated that adoption of the CFF as a file sharing mechanism will improve and make the process of sharing inverter settings between developers and the utilities more efficient.

In the May monthly ITWG meeting with DPS and Industry, Industry presented on a wide range of topics, leading the JU to update the ITWG technical guidance matrix and addressing questions on the cost matrix. The JU also discussed recent news articles about Chinese inverters with hidden communications devices, concluding that DER interconnection applications with these inverters need thorough scrutiny.

JU Continue with Implementation Activities for NYISO's 2019 DER Participation Model and FO Order 2222 Implementation

In April, the JU provided input and described the JU-NYISO coordination activities for the 2025 DSIPs. The JU also continued discussions on the duplicative compensation matrix, sharing the updated document with NYISO. The updated document addresses the "stackability" of demand response resources. It is envisioned that the duplicative compensation matrix will serve as an informative resource for stakeholders. They advanced discussions on the edge case of municipal customers served by NYPA but connected to a municipal distribution system, maintaining that these customers should not be given the JU Utility T-node due to a lack of visibility and relationships with municipal customers supplied by a local entity. The JU, NYISO, and NYPA met to discuss this concern, and as a next step, the JU and NYPA will coordinate with municipal utilities to reach a satisfactory outcome on this topic.

The JU also had detailed discussions on digital information/cyber security requirements for aggregators joining the DER market, with some utilities having rigorous requirements similar to those for contractor entities providing IT support.

In May, following up on discussions from the prior month, the ISO-DSP WG met with NYPA representatives to continue conversations on DER aggregations in municipal territories, focusing on identifying current operational communication practices between the TOs and munis and adapting them for DER aggregations. As a result, NYPA agreed to facilitate meetings between the JU and munis representatives. The JU also met with NYISO to discuss measures for assessing the cyber readiness of aggregators enrolling in NYISO's markets. NYISO communicated their reliance on unique logins and digital certificates to ensure that

aggregators only access pertinent information. They also clarified their preparations for FO 2222 implementation and detailed forthcoming updates, including the 60-day timer for utility review of aggregations, enactment of dual participation rules, new ancillary services rules, and the requirement for munis to opt into FERC Order 2222 participation.

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	**O&R** O&R: Distributed System Platform O&R Private Generation Energy Sources

				RG&E – Queue *SIR Inventory requests:* NYRegAdmin@avangrid.com	
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: Efficiency Resources RG&E: Efficiency Resources	**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: System Data 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** O&R NWA Opportunities Non-Wires Alternatives Opportunities Portal
Progressing the DSP	**Joint Utilities** Joint Utilities: Utility DSIPs Joint Utilities: Capital Investment Plans Joint Utilities: Electric Reliability Reports				