

JOINT UTILITIES OF NEW YORK

DISTRIBUTED SYSTEM PLATFORM (DSP) ENABLEMENT QUARTERLY NEWSLETTER

WHAT'S INSIDE

- A new Public Service Commission (“Commission”) proceeding examines the steps utilities are taking to deliver safe, reliable, and affordable electric service during the COVID-19 pandemic.
- The JU hosted a well-attended stakeholder webinar on April 23rd.
- DPS staff filed two whitepapers on May 29th related to data and information sharing.
- The Commission issued a new order aimed at accelerating clean energy development in the state.
- The JU provided an overview of their key efforts during a May 14th NPCC DER Forum.
- Continued collaboration with NYSERDA to advance heat pump development.
- JU support continues for low- and moderate-income customer participation in utility energy efficiency and electrification programs.
- Utilities are advancing efforts to procure energy storage.
- NYSEG and RG&E have submitted a Joint Proposal for their rate cases.
- The JU, with National Fuel Gas Distribution Corporation, submitted gas planning filings.

More details on [Pages 2-4](#).

FEATURED DEVELOPMENTS

- Updated 5-year DSP enablement plans are now available in each utility’s 2020 DSIP. [Page 4](#).
- Utilities continue to advance hosting capacity maps and address stakeholder requests. [Page 5](#).
- Efforts continue to drive greater electric vehicle deployment. [Page 7](#).



JOINT UTILITIES
OF NEW YORK

Website: <https://jointutilitiesofny.org/>

Email: info@jointutilitiesofny.org

QUICK HITS

- **Preserving safety, reliability, and affordability in the face of the COVID-19 pandemic:** Despite these challenging times, the utilities have taken significant steps to continue delivering the high quality of service our customers need. First and foremost, we want to thank all the utility employees who continue operating our control centers and conducting necessary field work to preserve safe and reliable system operations. Additionally, the JU are committed to being actively involved in the recently-established COVID-19 proceeding—as instituted by the Commission’s June 11th [Order](#)—which will explore the effects of the COVID-19 pandemic on electric and gas utilities, utility ratepayers, and Commission-adopted programs. The scope of the proceeding will focus on topics including, but not limited to, rate-setting, rate design, utility financial strength, low-income programs, regulatory priorities, and collections and termination of service.
- **Significant stakeholder turnout for April 23rd webinar:** During the JU-hosted [webinar](#), 79 stakeholders received updates on the status of the utilities’ latest Distributed System Implementation Plans (DSIPs) including the utilities’ vision for the DSP (more on [page 4](#)). The JU also updated stakeholders on new and improved information sharing portals, enhancements to hosting capacity maps (more on [page 5](#)), transportation electrification efforts (more on [page 7](#)), and ongoing work coordinating with the NYSIO on the implementation of its DER aggregation participation model (more below). The JU addressed several stakeholder questions during the webinar, including how the Utility Energy Registry and Orange and Rockland’s DER Data Pilot differ and what types of additional efforts the utilities are taking on the non-wires alternative solutions.
- **DPS whitepapers chart potential pathway forward for data sharing and access; collaboration on data pilot continues:** In response to the Commission’s March 19th [order](#), Staff filed two data whitepapers on May 29, 2020 in Case 20-M-0082: Proceeding on Motion of the Commission Regarding the Strategic Use of Energy Related Data. The first paper—[“Department of Public Service Staff Whitepaper Regarding a Data Access Framework”](#)—includes Staff’s suggestions for a data access framework that standardizes the necessary privacy, cybersecurity, and quality requirements for access to energy data. The second paper—[“Department of Public Service Staff Whitepaper Recommendation to Implement an Integrated Energy Data Resource”](#)—includes Staff’s recommendations for how to develop a statewide platform for third parties to access customer and system data. Since being launched in early 2020, DPS Staff, NYSERDA and Orange & Rockland continue the development and enhancement of the pilot data platform, which will help inform this proceeding. This pilot enables a granular level of data analysis for developers and customers to deploy DERs in locations that can best meet electric system and customer needs. Visit O&R’s [website](#) for more information.
- **Commission order directed at enabling achievement of CLCPA objectives:** The [Accelerated Renewable Energy Growth and Community Benefit Act](#) (see section JJJ), which was signed into law on April 3, 2020, is focused on achieving CLCPA targets. The act aims to improve siting and construction of large-scale renewable energy resources in a (see next page)

QUICK HITS (CONTINUED)

(continued from page 2) cost-effective and environmentally responsible manner. Some of the act's key outcomes include development of a new siting process for large-scale renewables, a "build-ready" program to prioritize projects in underutilized sites and provide incentives to property owners and communities who host these projects, and a power grid study and investment program to determine necessary investments in distribution and local and bulk transmission to achieve CLCPA targets.

- **Coordinating with other industry actors:** The Regional Standards Committee of the Northeast Power Coordinating Council (NPCC) hosted a [DER forum](#) on May 14th to explore how DER affect system planning and operations on both sides of the transmission-distribution interface. As part of the forum, the JU were invited to share information about some of the most important activities they've undertaken to support DER integration as part of their efforts as Distributed System Platform (DSP) providers. The JU look forward to further opportunities to collaborate with the NPCC as it will help ensure integration of DER into planning and operations at all levels of the New York State electricity system.
- **Advancing heat pump development:** As part of the EE proceeding, the JU and NYSERDA filed an updated heat pump [implementation plan](#) and [program manual](#) on April 30th. These updates were made pursuant to Staff's comments in their letter of conditional approval for the March 16th filing. The NYS Clean Heat Program, outlined in the Implementation Plan, reflects a "common statewide framework to advance the adoption of heat pump systems that are designed and used for heating." On May 29, the JU and NYSERDA filed Quality Assurance/Quality Control ("QA/QC") checklists for [air source](#) and [ground source](#) pumps, a [heat pump defect categories and instructions](#) document, and an updated [Implementation Plan](#) and [Program Manual](#).
- **Supporting low- and moderate-income participation in EE and electrification:** The JU and NYSERDA held three virtual stakeholder input sessions on April 14th and 15th for an LMI implementation plan to support inclusion in utility EE and building electrification programs. Stakeholders were invited to provide input during these sessions as well as through input forms that were shared following the webinars. The JU and NYSERDA will file an LMI implementation plan by July 14, 2020. As outlined in the Commission's January 16th [order](#), this plan will reflect the steps that the JU and NYSERDA will take to develop a statewide LMI portfolio.
- **Further progress on utility procurements of energy storage:** Central Hudson, National Grid, NYSEG and RG&E completed their reviews of the bids that were submitted as part of the competitive RFP process for each company to acquire the dispatch rights to at least minimum of 10 MW of storage. The companies notified bidders of the results on May 15. The companies also gathered feedback from bidders regarding the solicitation process and those companies that were able to make awards have begun contract negotiations with selected bidders. The JU continue to collectively review the feedback gathered during the first solicitation to inform additional solicitations.

QUICK HITS (CONTINUED)

- NYSEG and RG&E rate case settlement:** NYSEG and RG&E filed a Joint Proposal (JP) on June 22, 2020 to settle their rate cases (cases 19-E-0378, et al). The JP was signed by the NY Department of Public Service Staff and 19 other parties, which included 10 parties who signed on to the electric aspects of the relevant Companies. This JP includes funding for the NYSEG and RG&E DSP initiatives included in their DSIP, filed on June 30, 2020. A final decision on the JP will be made by the Commission and is anticipated in the fourth quarter of 2020.
- Advancing efforts for gas planning:** The Joint Local Distribution Companies (LDCs), which includes the JU plus National Fuel Gas Distribution Corporation, submitted two filings on [gas planning](#) on July 17th. One [filing](#) focuses on a supply/demand analysis for vulnerable locations on their natural gas LDC systems. The second [filing](#) proposes a set of standards that apply to reliance on peaking services in gas resource portfolios and on decisions related to moratorium management. In addition to these filings, each LDC will submit a report on August 16th that describes programs the LDC plans to pursue related to energy efficiency, demand response, and non-pipe alternatives.

UTILITY DSIP FILINGS CHART PATH FOR DSP EVOLUTION

Each utility filed its 2020 Distributed System Implementation Plan (DSIP) on June 30th. The DSIPs provide updates on accomplishments made since the 2018 DSIPs, current efforts, and a five-year forward look into what each utility will be working on to continue supporting DSP enablement. These utility efforts to expand distribution-level investments will enable more active participation of customers and DER in the New York energy marketplace.

Within the DSIP filings, each utility describes the role it will play in supporting New York's clean energy transition as envisioned under the Climate Leadership and Community Protection Act (CLCPA). While the Reforming the Energy Vision (REV) initiative took on a broad range of reforms across the New York energy economy, the CLCPA aims to achieve emissions reductions in the sector and throughout the state's economy.

The JU's DSP vision continues to focus on facilitating the growth of distributed clean energy resources by providing three interrelated DSP services – DER integration, information sharing, and market services. Through these services, DSPs will deliver value for electricity customers and market participants through expanded customer choice, greater use of DER as a grid resource, and enhanced access to value streams that compensate DER for their realized distribution and wholesale value. To achieve this vision of expanded customer value and greater DER market access while also meeting CLCPA targets, the DSPs will require enhanced flexibility, which has been a longstanding focus of DSP enablement efforts.

Copies of each utility's DSIP filing can be accessed by clicking on each utility's logo:

UTILITIES IMPLEMENT A NEW ROUND OF HOSTING CAPACITY DISPLAY ENHANCEMENTS

The JU released on April 1st a Stage 3.1 update to the hosting capacity displays which brings greater transparency of the analysis assumptions and criteria, better communication of supporting materials, and greater access to the data. These additions help better contextualize the analysis results displayed to end users, as well as allow users to filter and download the feeder level summary data to access the analysis results in other formats. Key features of the update include:

- Supporting material on the DRIVE tool inputs and criteria by utility, and additional user reference materials such as live-demos and FAQs on the Stage 3.0 displays
- Common attribute tables and downloadable feeder-level summary data (.csv) that includes the data elements currently available in the pop-ups

The Stage 3.1 update also added the following items to the data pop-ups to provide more context on potential upstream interconnection constraints and where abnormal or circuit-specific conditions may exist:

- Substation Bank / Transformer Nameplate / Thermal-Limits
- Substation 3V0 Protection Thresholds
- Annotated notes for circuit specific info

(1 of 2)

Local Feeder Level Hosting Capacity for PV

Substation	LEVITT
Feeder	36_18_66585
Local Voltage (kV)	4.80
Local Maximum Hosting Capacity (MW)	2.60
Local Minimum Hosting Capacity (MW)	2.03
Anti-Islanding Hosting Capacity Limit (MW)	0.14
Feeder DG Connected (MW)	0.00
Feeder DG in Queue (MW)	0.00
Feeder DG Connected Since Last HCA Refresh Date (MW)	0.00
Load Zone	E-3
DG Connected/In Queue Refresh Date	June 28, 2020
HCA Refresh Date	September 30, 2019
Notes:	Station needs equipment/configuration change if DG Threshold is violated.

*Please see [Hosting Capacity Pop-Up Definitions PDF](#) on the welcome screen for definitions and more details

Stage 3.0

(2 of 2)

Substation Level Data

Substation/Bank Name	LEVITT
Substation/Bank Installed DG (MW)	0.10
Substation/Bank Queued DG (MW)	0.00
Substation/Bank Total DG (MW)	0.10
Substation/Bank DG Connected Since Last HCA refresh (MW)	0.01
2018 Substation/Bank Peak (MVA)	6.90
Substation/Bank Thermal Capacity (MVA)	10.3
Substation Backfeed Protection	No
Estimated 3V0 Protection Threshold (MW)	0.69
DG Connected/In Queue Refresh Date	June 28, 2020
HCA Refresh Date	September 30, 2019

*Please see [Hosting Capacity Pop-Up Definitions PDF](#) on the welcome screen for definitions and more details

Stage 3.1

HOSTING CAPACITY (CONTINUED)

In addition to the release of Stage 3.1, in March the JU surveyed 1,475 stakeholders and users of the hosting capacity displays to inform future stakeholder engagement sessions and the development of future updates. More than half of the 145 respondents reported they use the JU hosting capacity displays on at least a weekly basis. Respondents classified the following as being very important and important for them:

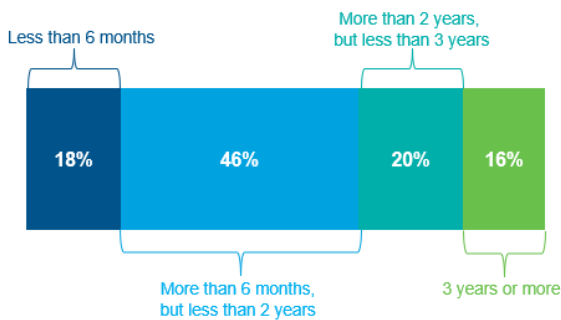
Very Important

- Additional map functionality (e.g. downloadability/filterability, API) – *Progress made in Stage 3.1*
- Hosting capacity analysis for energy storage
- Hosting capacity for hybrid solar + storage
- Upstream substation/bank-level constraints – *Progress made in Stage 3.1*
- Forecasted hosting capacity

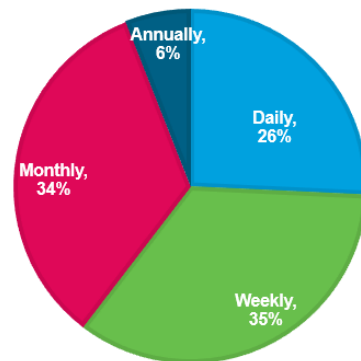
Important

- Increased analysis refresh rate
- Circuit equipment ratings
- Hosting capacity - data validation efforts – *Progress made in Stage 3.1*
- Dynamic hosting capacity

How long have you been using the Joint Utilities' hosting capacity maps?



How often do you use any of the Joint Utilities' hosting capacity maps?



The JU held a stakeholder engagement session on May 20th for over 80 stakeholders to discuss the Stage 3.1 release, results from the above referenced hosting capacity stakeholder survey, and stakeholder input to future releases of the hosting capacity displays. Presentation slides and meeting notes can be found on the JU [website](#). The next stakeholder engagement session is being targeted for November 2020.

DRIVING GREATER DEPLOYMENT OF ELECTRIC VEHICLES

DPS Staff whitepaper proposes a statewide make-ready program: DPS Staff held a virtual [EV Make-Ready Conference and EV Readiness Working Group](#) in early April, providing a forum for stakeholders to provide initial responses to Staff's Make-Ready Proposal from their January [whitepaper](#). The JU submitted [initial comments](#) on the Make-Ready Proposal on April 27th and submitted [reply comments](#) on May 11th. Many responses collected from industry, government, and non-profit stakeholders encouraged the JU to find broad agreement on modifications to improve the Make-Ready Proposal and help achieve the State's ambitious EV goals. It is anticipated that DPS will finalize the Make-Ready Proposal and the Commission will issue an Order this year to guide utility investments on the deployment of EV charging infrastructure.

Check out our [Joint Utilities EV web portal](#) for links to utility-specific EV webpages

LINKS TO UTILITY DATA PORTALS

[National
Grid](#)

[Orange &
Rockland](#)

[NYSEG](#)

[RG&E](#)

[Central
Hudson](#)

[Consolidated
Edison](#)



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Click on the JU logo
to access utility data
portals

Joint Utilities of New York System Data Portal

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|--|--|
| <input type="checkbox"/> Distributed System Implementation Plans | <input type="checkbox"/> Load Forecasts |
| <input type="checkbox"/> Capital Investment Plans | <input type="checkbox"/> Historical Load Data |
| <input type="checkbox"/> Planned Resiliency / Reliability Projects | <input type="checkbox"/> NWA Opportunities |
| <input type="checkbox"/> Reliability Statistics | <input type="checkbox"/> Queued DG |
| <input type="checkbox"/> Hosting Capacity | <input type="checkbox"/> Installed DG |
| <input type="checkbox"/> Beneficial Locations | <input type="checkbox"/> SIR Pre-Application Information |

NOTABLE DATES



July

- 21st: DPS stakeholder meeting on Data Access Framework Whitepaper
- 22nd: DPS stakeholder meeting on Integrated Energy Data Resource Whitepaper

August

- 24th: Comments due on DPS data whitepapers
- 26th: Interconnection Technical Working Group session

September/October

- 8th: National Grid 2020 DSIP stakeholder session
- 9th: Central Hudson 2020 DSIP stakeholder session
- 11th: Reply comments due on DPS data whitepapers
- TBD: JU DSP webinar

View our monthly calendar online: jointutilitiesofny.org/stakeholder-engagement/

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We're interested in hearing from you. Do you have questions, comments, or ideas? Email us at info@jointutilitiesofny.org. And for more information on updated data and other useful references, be sure to visit the Joint Utilities website at <https://jointutilitiesofny.org/>.

