

Con Edison Clean Heat March Webinar

March 19, 2024

Agenda

- Contractor Spotlight
- Program Achievement & Budget
- Clean Heat Program Manual Updates
- 2024 Clean Heat Promotion Rates
- Q2 Residential Allocations
- Accessing Decommissioning Training Information
- Electrification Load Serving Capacity Maps
- Upcoming Webinars & Training
- Q&A

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Congratulations Clean Heat Contractors of the Year

- Residential Program
 - Thank you all who attended the Residential Clean Heat Contractor Recognition Breakfast on January 30th and congratulations to all who were recognized
 - 2023 Residential ASHP contractor of the year:
 - Happy Home LLC
 - 2023 Residential GSHP contractor of the year:
 - Dandelion Energy, Inc.
- Small and Medium Business (SMB) Program
 - Thank you to all who attended the SMB Networking Event on February 15th and congratulations to all who were recognized
 - 2023 SMB Clean Heat contractor of the year:
 - Stratco Property Group

Residential Contractor Spotlight

- January Contractor of the Month: Digital Appliances & Heating and Cooling, Inc
 - Achieved the highest inspection pass rate in the month of December
- Tips for improving your inspection pass rate:
 - Follow all requirements in the Program's [Standards and Quality Assurance Checklist](#) and [Decommissioning Checklist](#)
 - Make sure your technicians watch the [decommissioning training webinar](#) and review the corresponding [slides](#)
 - Review failed inspection reports with your technicians to ensure the same mistakes aren't made twice

Residential Contractor Spotlight

- February Contractor of the Month: BK Appliances Inc.
 - Achieved the lowest application flaw rate in the month of January 2024.
- Tips for improving your application flaw rate:
 - Reach out to your account manager and set up a training
 - Review common flaws and how to avoid them



Missing or Incorrect Rebate Amount Listed on Customer Acknowledgment Form



Confirm the corresponding incentive with the building type and get that signature!



Invoice information does not match Utility Account Holder Information



If a utility bill can be shared, that's always best. In any case, take a few extra minutes to confirm this info with your customer. It's worth it for everyone involved.



Unclear or Missing Photographs



Talk to your installation staff about this step! Your photos are only as credible as the folks capturing them.



Manual J Design Temps not within 5 Degrees of Weather Station Temp



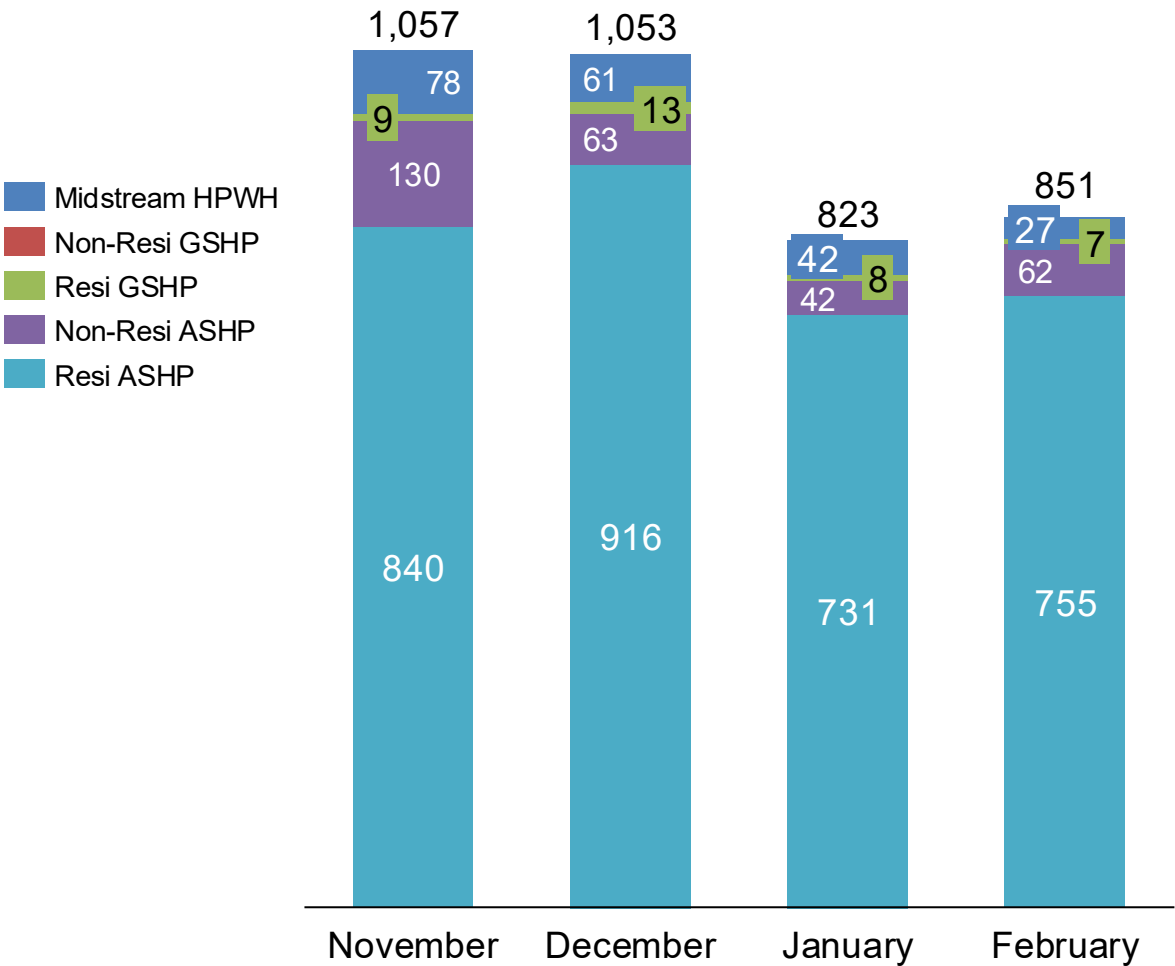
Use the prescriptive calculator! Input the project zip code and the recommended design temps are shown immediately.

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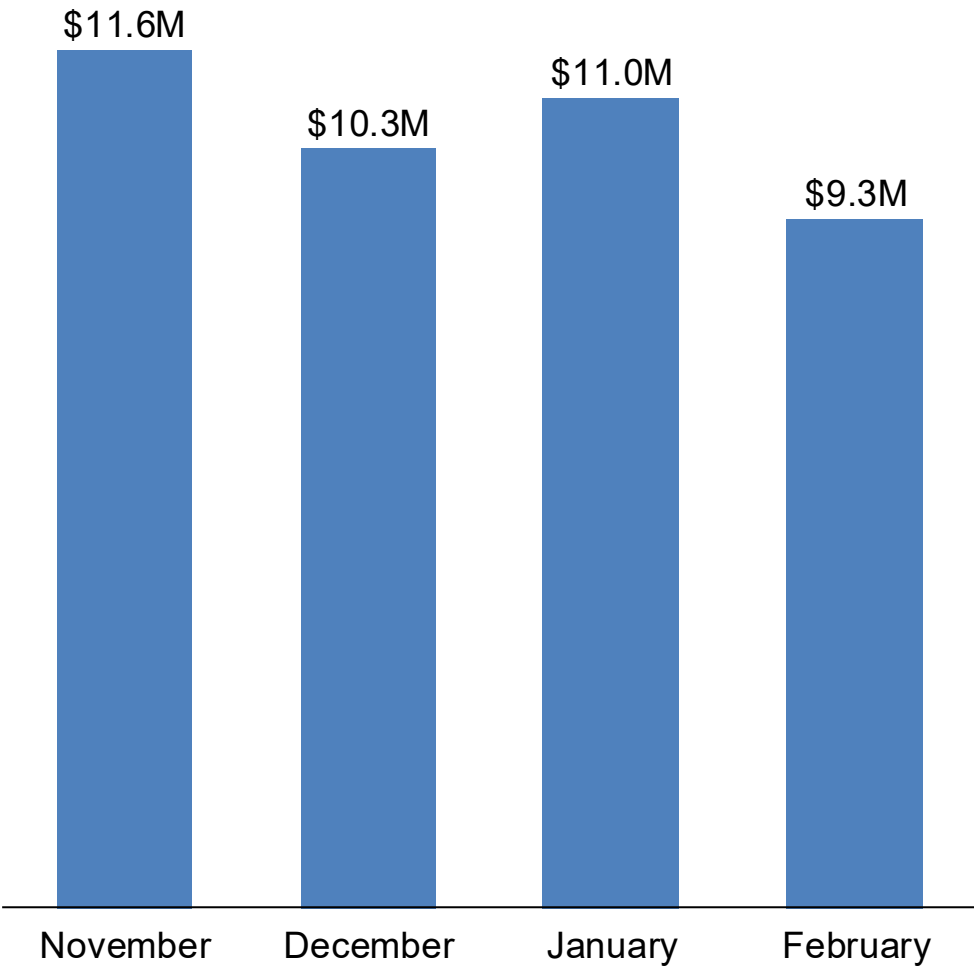
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Clean Heat Program Achievement & Budget

Application Intake



Incentives against the Continuity Funding Mechanism by Month



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March 1, 2024, Program Manual Updates

- Incentives
 - Codifies the Limited Time Offers (LTO) introduced in December
 - Residential ASHP and GSHP, Small and Medium Business, and Multifamily
 - Introduces new incentives and LTOs
 - Non-residential GSHP
 - LTO and incentives for GSHP Thermal Conductivity Testing (TCT)
 - C&I: LTO
- New Residential Clean Heat category
 - Air-to-water heat pumps (AWHP) (category 2e)
- Allows C&I and Multifamily customers to submit applications directly, as they do with other Con Edison Energy Efficiency programs.

Multifamily March 1, 2024, Program Manual Changes

- New category - Multifamily prescriptive water (category 6a)
 - Targets domestic hot water in multifamily properties for in-unit use with a simple incentive structure
 - Incentives of \$1,000 per dwelling unit (aka apartment)
 - Only full-load air-to-water heat pump installations are eligible for category 6a incentives.
- Expanding eligibility for Multifamily offerings
 - Expands the eligibility for prescriptive (category 2c) \$/dwelling rate up to buildings with 100 units
 - Allows buildings of any size to submit for partial load custom categories
- Allows Multifamily customers to submit applications directly, as they do with our core Energy Efficiency programs.

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2024 Promotion Residential ASHP Decommissioning Rates

To be eligible for the 2024 Promotion, applications must be submitted by May 31st, 2024

Con Edison Clean Heat Residential ASHP Decommissioning Rates (Category 2b)				
	Non-DAC		DAC	
	Single family	Apartments	Single family	Apartments
Base Incentive Rates	\$8,000	\$4,000	\$10,000	\$5,000
2024 Promotion Rates	\$10,000	\$6,000	\$12,000	\$7,000

- Project applications submitted after May 31, 2024, will be eligible for the Base Incentive Rates.
- Projects in DAC are eligible to receive incentives that cover up to 70% of project costs, while incentives for projects outside of DACs remain capped at 50% of project costs.

2024 Promotion incentive rates for Residential GSHP

To be eligible for the 2024 Promotion, Residential GSHP projects must:

- Be installed by December 31, 2024
- Submit signed customer commitments by May 31, 2024

Residential GSHP Decommissioning Rates (Category 3)		
	Non-DAC	DAC
Base Incentive Rates	\$25,000	\$35,000
2024 Promotion Rates	\$35,000	\$45,000

DAC Guidance

- For projects located with a DAC, incentives are capped at 70% of project costs
- To determine whether a project is in a DAC search the address at: <https://www.nyserda.ny.gov/ny/Disadvantaged-Communities>.

2024 Promotion Incentive Rates for non-residential GSHP

To be eligible for 2024 Promotion, Non-Residential GSHP projects must:

- Submit applications by May 31, 2024
- Installed by September 1, 2025
- Pass post-inspection by November 1, 2025

Non-Residential GSHP Rates					
		Category 4 Custom Space Heating (\$/MMBTU)	Category 4a Custom Space Heating + Envelope (\$/MMBTU)		Category 6 Hot Water Heating (\$/MMBTU)
			Tier 1	Tier 2	
Base Incentive Rates	New Construction	\$125	\$125	\$150	\$125
	Existing Building	\$200	\$200	\$225	\$200
2024 Promotion Rates	New Construction	\$150	\$150	\$175	\$150
	Existing Building	\$300	\$300	\$325	\$300

2024 Promotion Incentive Rates for Multifamily

To be eligible for 2024 Promotion, ASHP Multifamily projects must:

- Submit applications by May 31, 2024
- Installed by the following dates per category:
 - Categories 2c and 6: October 1, 2024
 - Categories 4, 4a and 10: September 1, 2025

Multifamily ASHP Rates							
	Category 2c Per Apartment (\$/Dwelling Unit)	Category 4 Custom Space (\$/MMBTU)	Category 4a Custom Space + Envelope (\$/MMBTU)		Category 6 Custom Water (\$/MMBTU)	Category 6a Prescriptive Domestic Hot Water (\$/Per Apartment)	Category 10 Custom Partial (\$/MMBTU)
			Tier 1	Tier 2			
Base Incentive Rates	\$5,000	\$200	\$200	\$225	\$200	\$1,000	\$70
2024 Promotion Rates	\$7,000	\$225	\$225	\$250	\$225	\$1,000	\$95

2024 Promotion incentive rates for C&I

To be eligible for 2024 Promotion, ASHP C&I projects must:

- Application Submitted: January 1st, 2024, through May 31st, 2024
- Installation Complete By: October 1st, 2024
- Post Inspection Passed By: November 1st, 2024

C&I ASHP Rates					
	Category 4 Custom Space (\$/MMBTU)	Category 4a Custom Space + Envelope (\$/MMBTU)		Category 6 Custom Water (\$/MMBTU)	Category 10 Custom Partial (\$/MMBTU)
		Tier 1	Tier 2		
Base Incentive Rates	\$120	\$120	\$150	\$200	\$70
2024 Promotion Rates	\$195	\$195	\$225	\$275	\$145

C&I incentives capped at 50% of project cost or \$1M, whichever is lower.

2024 Promotion rates for SMB prescriptive projects

To be eligible for the 2024 Promotion, SMB projects must:

- Be located within a DAC
- Submit applications between December 5, 2023, through May 31, 2024
- Be installed by October 1, 2024

SMB Prescriptive Rates (Category 2d) (\$/Project)				
	< 1,000 SF	1,001 – 1,500 SF	1,501 – 2,000 SF	2,000 – 2,500 SF
Base Incentive Rates	\$5,000	\$7,500	\$10,000	\$12,500
2024 Promotion DAC Rates	\$6,000	\$8,500	\$11,000	\$13,500

DAC Guidance

- SMB incentives for Category 2d projects located within a DAC will be capped at 60% of project costs.
- To determine whether a project is in a DAC search the address at: <https://www.nyserda.ny.gov/ny/Disadvantaged-Communities>.

SMB: Increased Incentives in 2024 Promotion custom projects

To be eligible for the 2024 Promotion, SMB projects must:

- Submit applications by May 31, 2024
- Be installed by October 1, 2024

SMB Custom ASHP Rates		
	Category 4 Custom Space (\$/MMBTU)	Category 4a Custom Space + Envelope (\$/MMBTU)
Base Incentive Rates	\$150	\$150
2024 Promotion Rates	\$175	\$200

Incentives for customer SMB eligible projects will be capped at \$400,000 or 50% of project costs, whichever is lower

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Residential Q2 2024 April – June Allocations

- GSHP
 - Discontinuing allocations process for GSHP Residential Contractors
- ASHP
 - Contractors received Q2 2024 allocations on Thursday, March 14, 2024
 - If necessary, please reach out to your Account Manager for additional funding during Q2

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Accessing Decommissioning Training Information

- Thank you to all who attended the Decommissioning Training on February 22nd
- Access to the training as a resource, the recording, and corresponding slides:
 - [Decommissioning Training Webinar](#)
- If you have any follow-up questions on decommissioning or would like a one-on-one decommissioning training, please reach out to your Account Manager.

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- Electrification Capacity Map Demonstration
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Electrification Load Serving Capacity Maps



Con Edison has renamed their Electric Vehicle Charging Capacity map to the Electrification Capacity map to account for the visualization of available hosting capacity for heat electrification, **in addition** to the visualization of available hosting capacity for potential electric vehicle charging sites.



This map shows **transformer capacity** data for Con Edison's underground network electrical system and **feeder-level capacity** data for Con Edison's non-network (overhead) system.

Methodology



This map displays both transformer and feeder level electrification capacity in both winter and summer.



Summer ratings are appropriate for use in estimating available capacity for electric vehicle charging.



Winter ratings can be used in combination with summer ratings to determine available capacity for building electrification.

Methodology



Seasonal hosting capacity varies based on equipment ratings, which increase in colder months, and based on seasonal peak load.



Transformers on this map are listed by available capacity and voltage.

Two types of transformers are displayed:

1. 208 volts (shown as circles)
2. 460 volts (shown as squares)



The map shows **four** levels of transformer capacity, by color.

The map shows **three** levels of feeder capacity, by color.

208v Transformers - Summer Capacity

- > 1000 kVA
- 500 kVA to 1000 kVA
- 200 kVA to 499 kVA
- < 200 kVA

460v Transformers - Winter Capacity

- >1000 kVA
- 500 kVA to 1000 kVA
- 200 kVA to 499 kVA
- < 200 kVA

Summer Load Capacity for 3PH Feeders

Summer Load Capacity

- > 1.5 MW Capacity Remaining
- .6 MW to 1.5 MW Capacity Remaining
- < .6 MW Capacity Remaining

Winter Load Capacity for 3PH Feeders

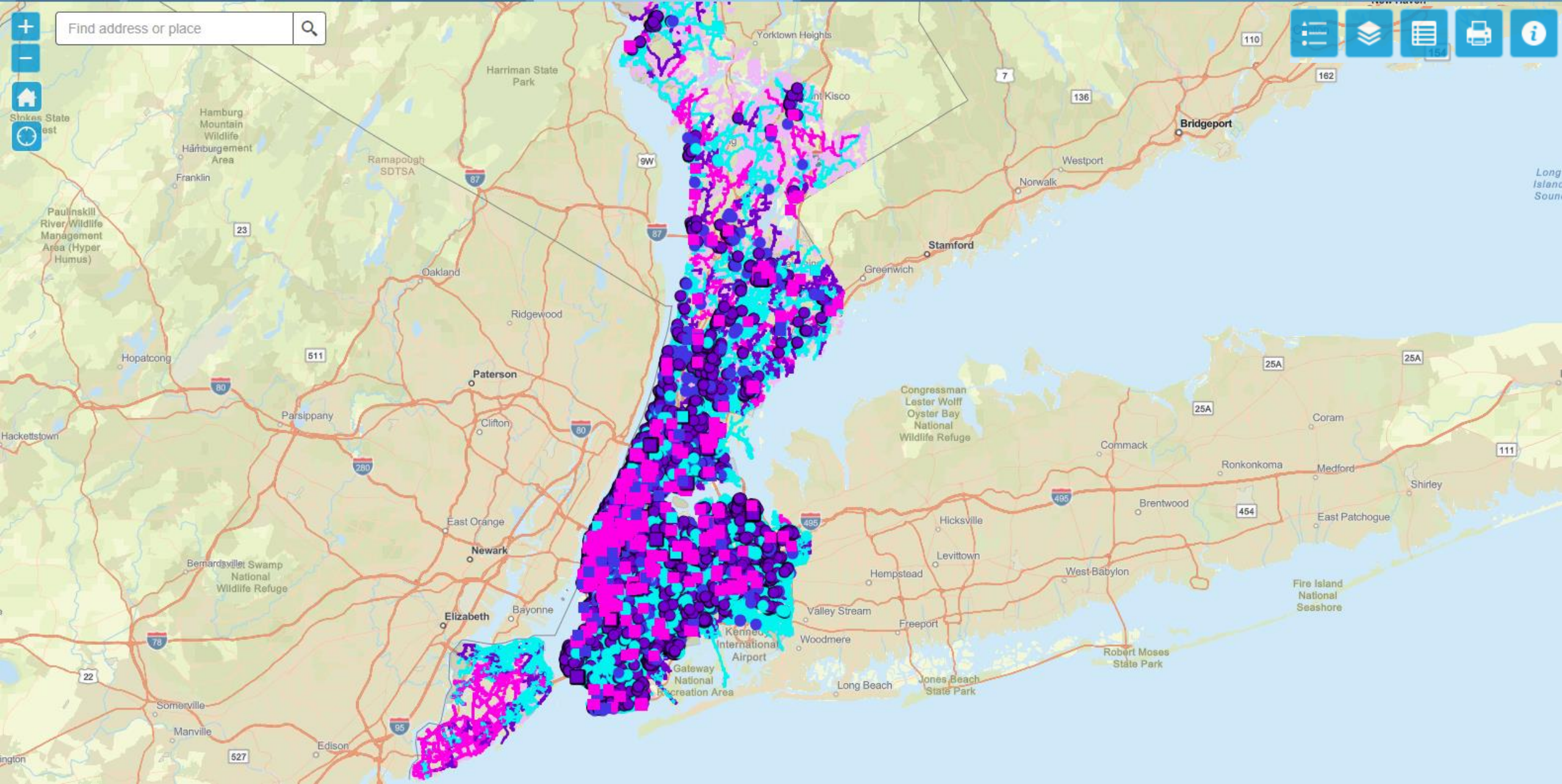
Winter Load Capacity

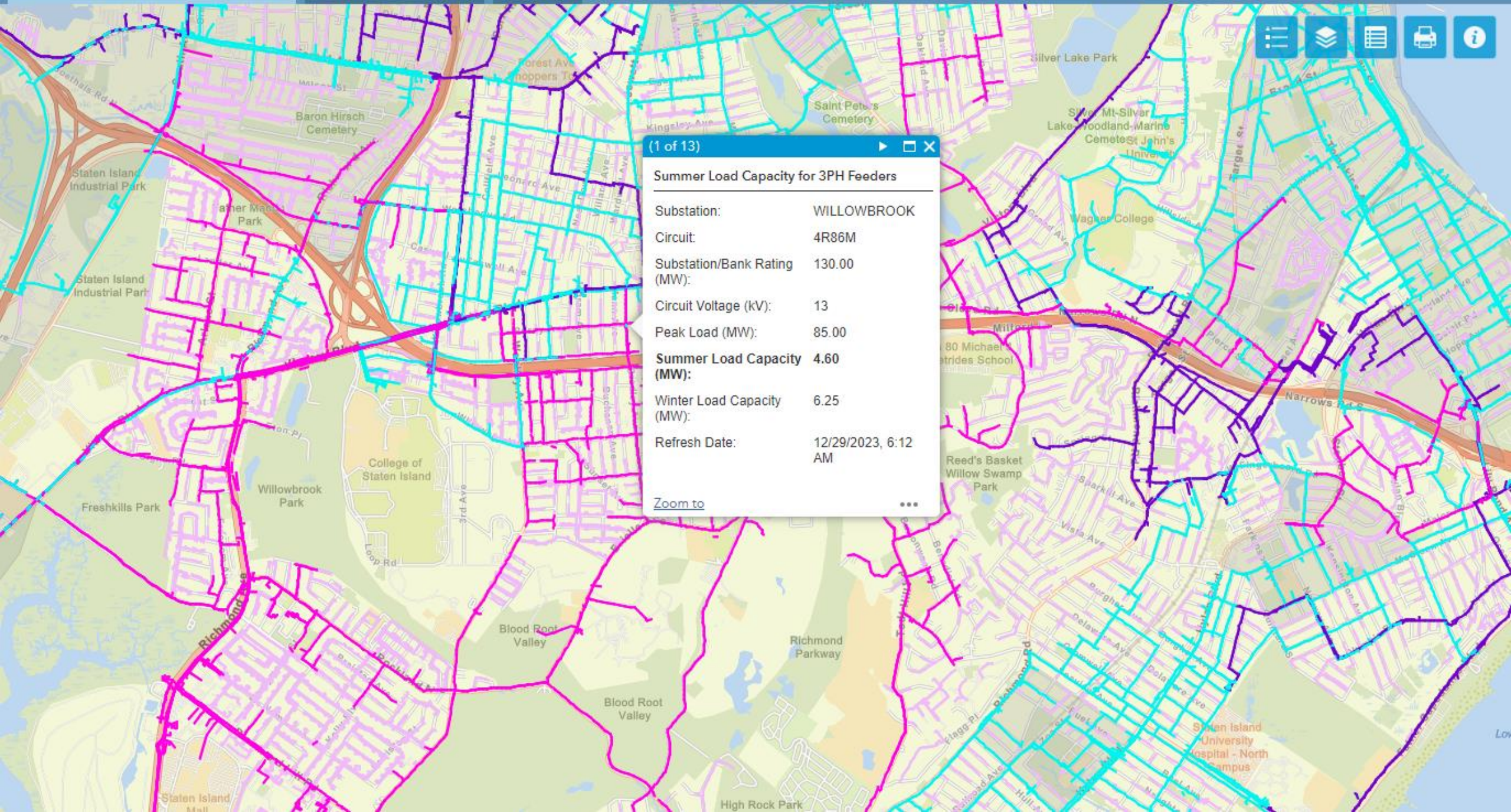
- > 1.5 MW Capacity Remaining
- .6 MW to 1.5 MW Capacity Remaining
- < .6 MW Capacity Remaining

No Load Capacity for 1PH and 2PH Feeders

Con Edison Hosting Capacity Web Application

- Introduction
- Non-network PV
- Network PV
- Non-Wires Solutions
- Electrification (formerly EV Charging)
- Non-network Storage
- REST API



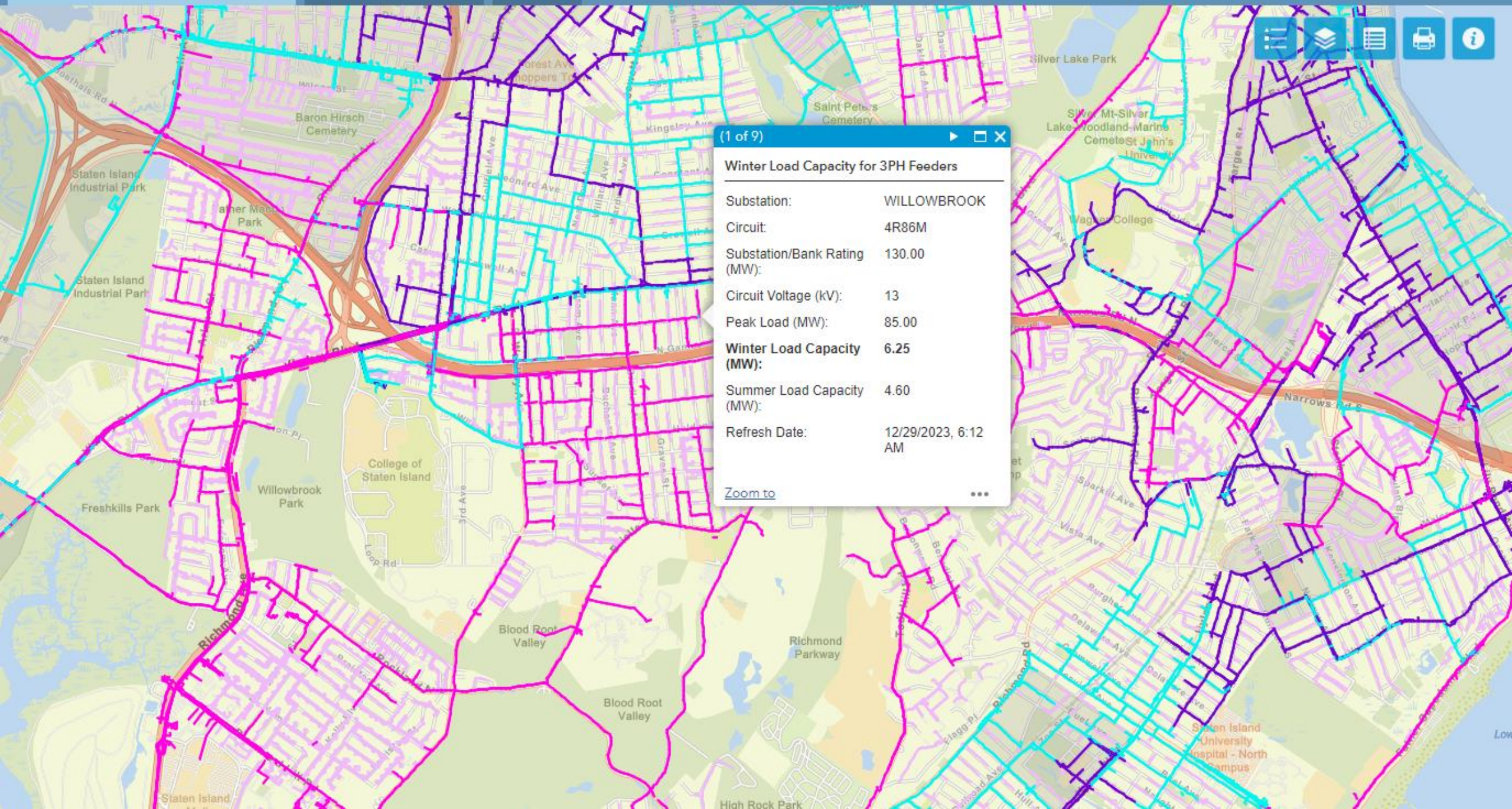


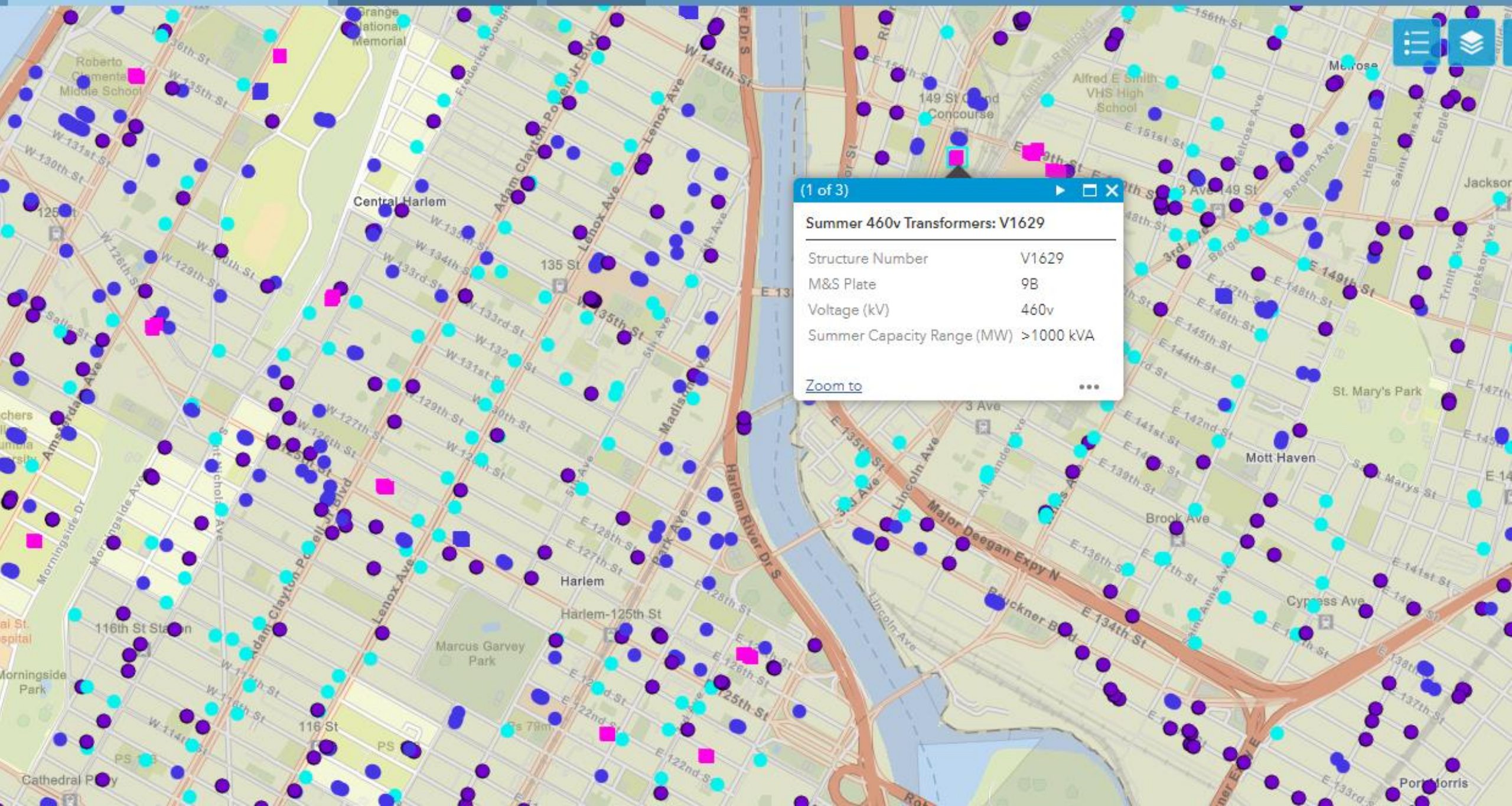
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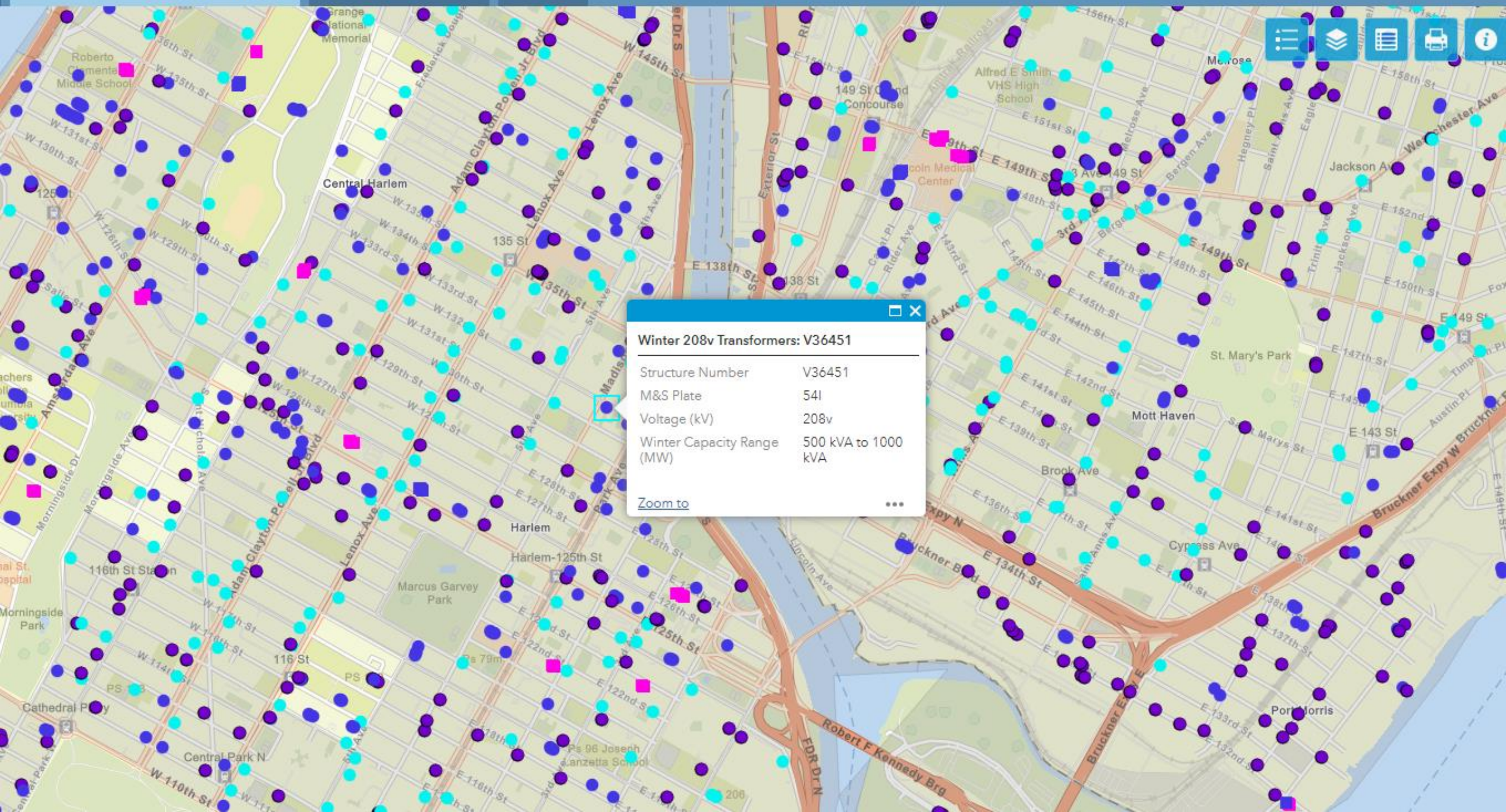
Summer Load Capacity for 3PH Feeders

Substation:	WILLOWBROOK
Circuit:	4R86M
Substation/Bank Rating (MW):	130.00
Circuit Voltage (kV):	13
Peak Load (MW):	85.00
Summer Load Capacity (MW):	4.60
Winter Load Capacity (MW):	6.25
Refresh Date:	12/29/2023, 6:12 AM

Zoom to ...







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Upcoming webinars and trainings

Participating Contractors and Industry Partners (PC&IP) Working Group Series meeting is scheduled for Thursday, April 18, 2024

- Registration [Link](#)
- 9:00 – 10:00 a.m.

For other upcoming trainings, please contact your account manager

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Q&A

Questions?

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- Dan Krupa Krupad@coned.com
- Pablo Colon Colonp@coned.com





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