



conEdison

Hosting Capacity Maps

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Con Edison's Hosting Capacity Maps



Hosting capacity of a distribution system refers to the amount of Distributed Energy Resources (DER) that may be accommodated without adversely impacting power quality or reliability under existing control configurations and without requiring infrastructure upgrades.



Main objectives of the hosting capacity maps:

- Provide increased transparency as to where Con Edison has hosting capacity.
- Provide developers, contractors, and customers visibility into potential DER locations and sites for private generation.
- To understand how and where DER installation impacts the distribution system.



These maps can be accessed through the **Con Edison Hosting Capacity Web Application** by following these steps:

1. Go to coned.com
2. Go to the “Business Partners” section at the bottom-right of the page and click on “Hosting Capacity”. This will lead you to the Hosting Capacity information page.
3. Click on “View the Maps” at the top of the page. This will bring you to all of Con Edison’s Hosting Capacity maps.

The Joint Utilities of New York

The Hosting Capacity Maps are also a Joint Utilities of New York effort with stakeholder engagement. More information and access to other utilities' maps can be found on the Joint Utilities of NY website:

[Hosting Capacity | Joint Utilities \(jointutilitiesofny.org\)](https://jointutilitiesofny.org)



Hosting Capacity for Central Hudson can be found through their Distributed System Platform [web portal](#).



Hosting Capacity for Con Edison can be found through their Distributed System Platform [web portal](#).



National Grid's hosting capacity displays can be found on their [System Data Portal](#) under the 'Hosting Capacity' tab. The stage 3 Hosting Capacity maps supersede the previously displayed Red Zone Maps.



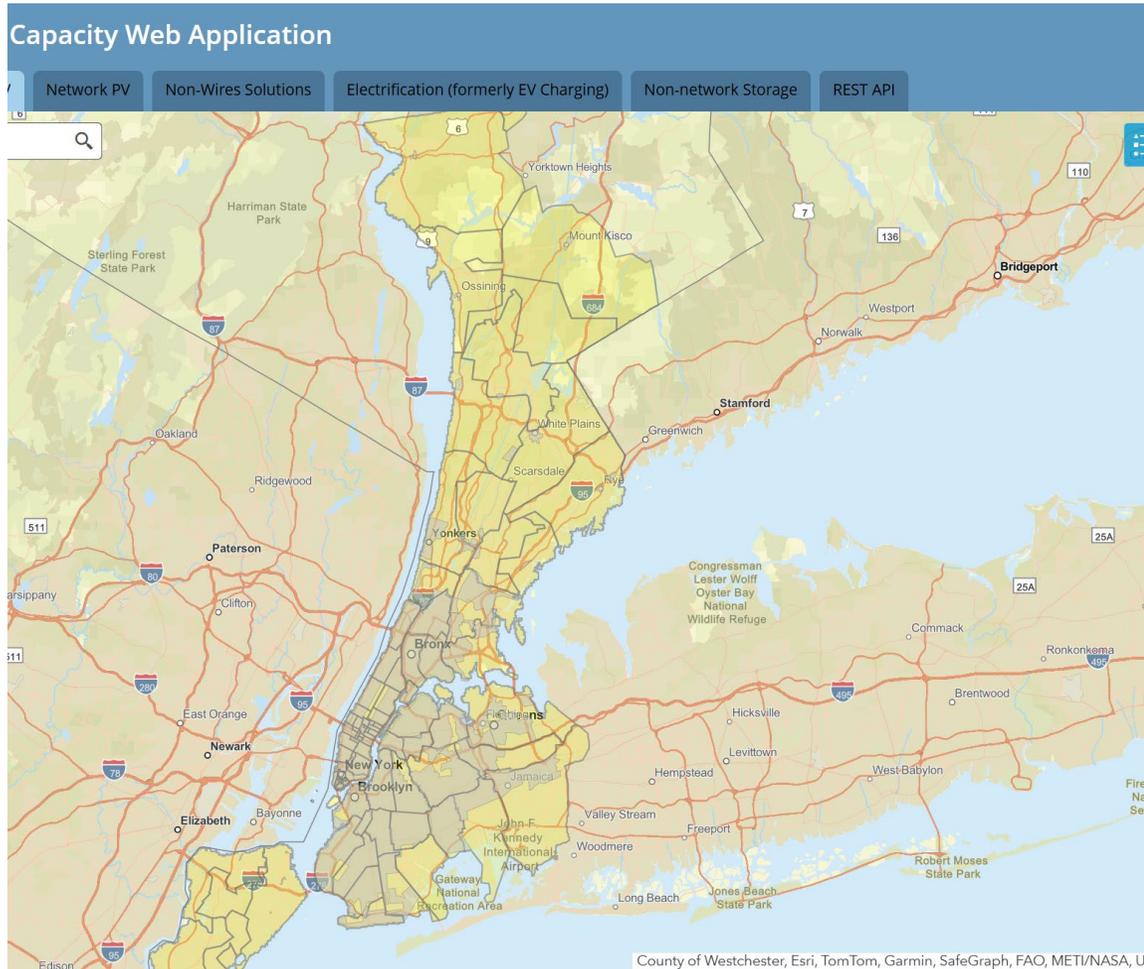
NYSEG and RG&E's distribution indicator maps for hosting capacity displays can be found at the following links:

- [PV](#)
- [ESS](#)
- [EV](#)



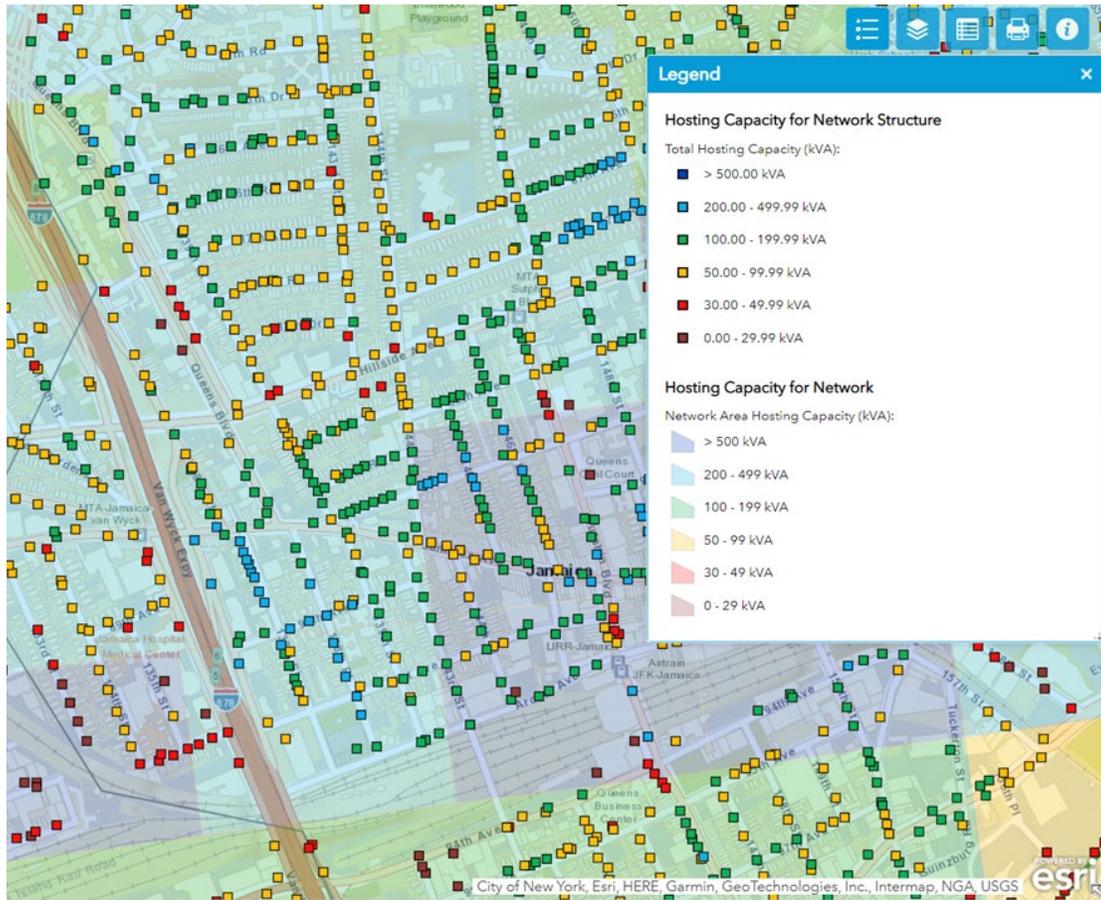
Hosting Capacity for O&R can be found on interactive maps that can be accessed through their [web portal](#) by signing into an O&R account or ARCGIS account.

Hosting Capacity Portal

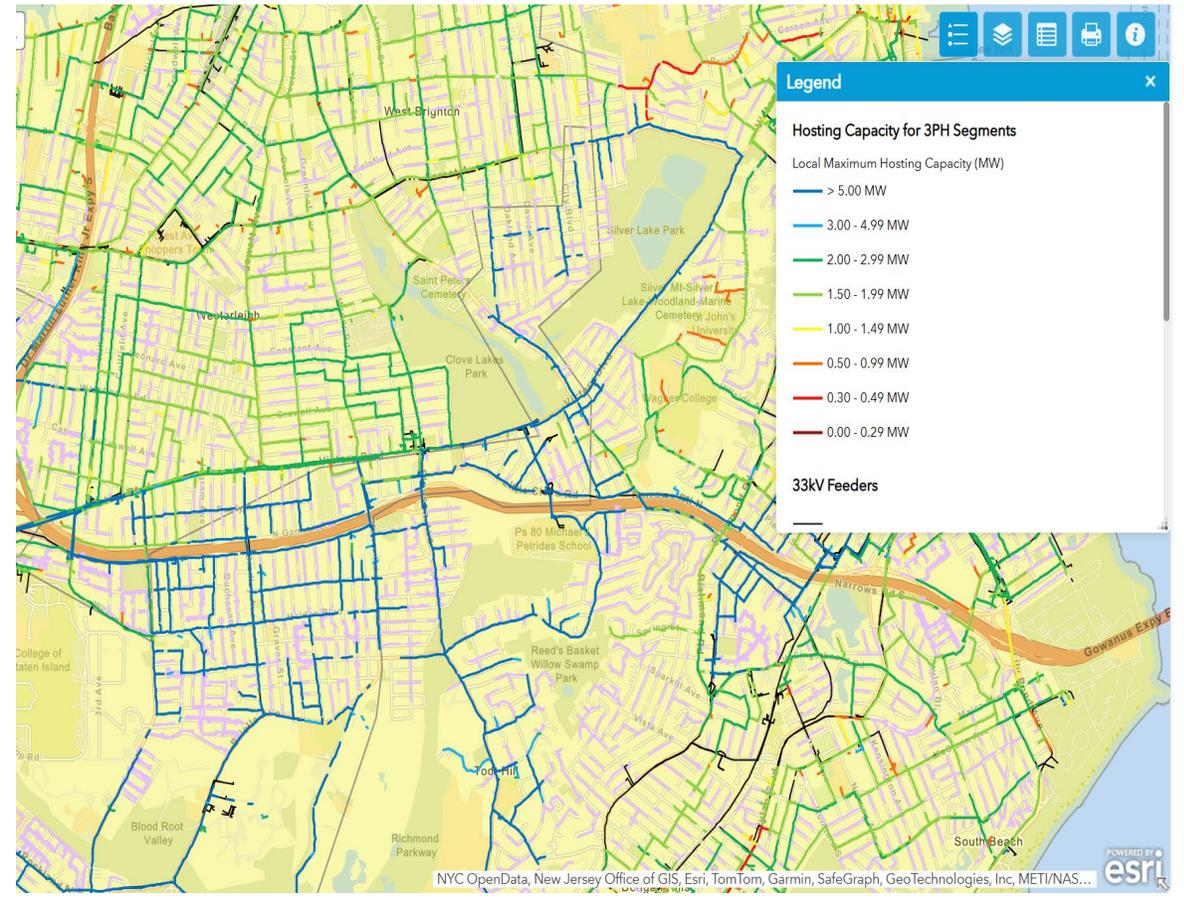


- PV Hosting Capacity (Non-Network and Network)
- Storage Hosting Capacity (Non-Network)
- Electrification Capacity
- Non-Wires Solutions

PV Hosting Capacity

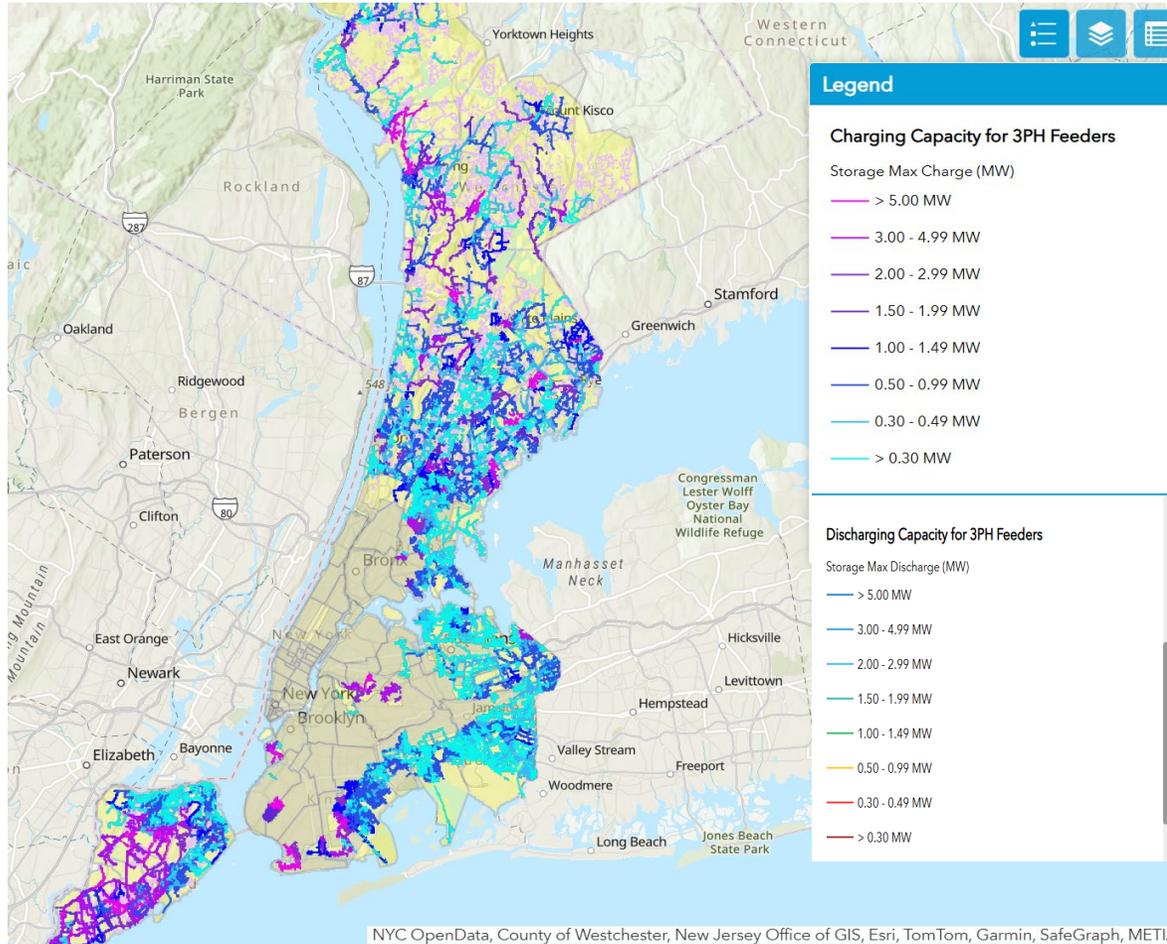


Network



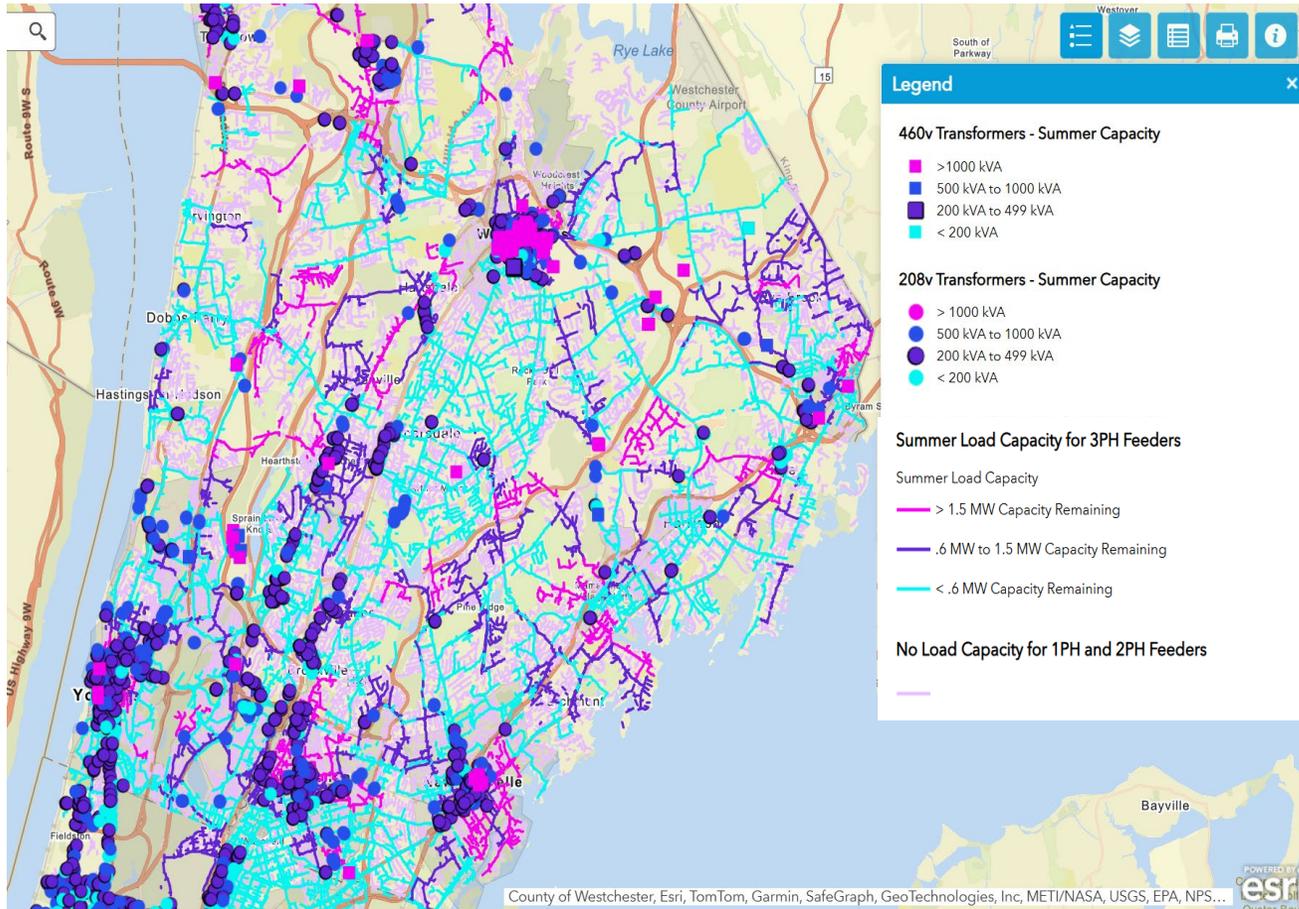
Overhead

Storage Hosting Capacity



- Charge capacity is based on summer peak planning case and does not consider contingency.
- Discharge capacity is based on daytime, minimum loading and does not consider contingency.

Electrification Capacity



- 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.



The Electrification 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.



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

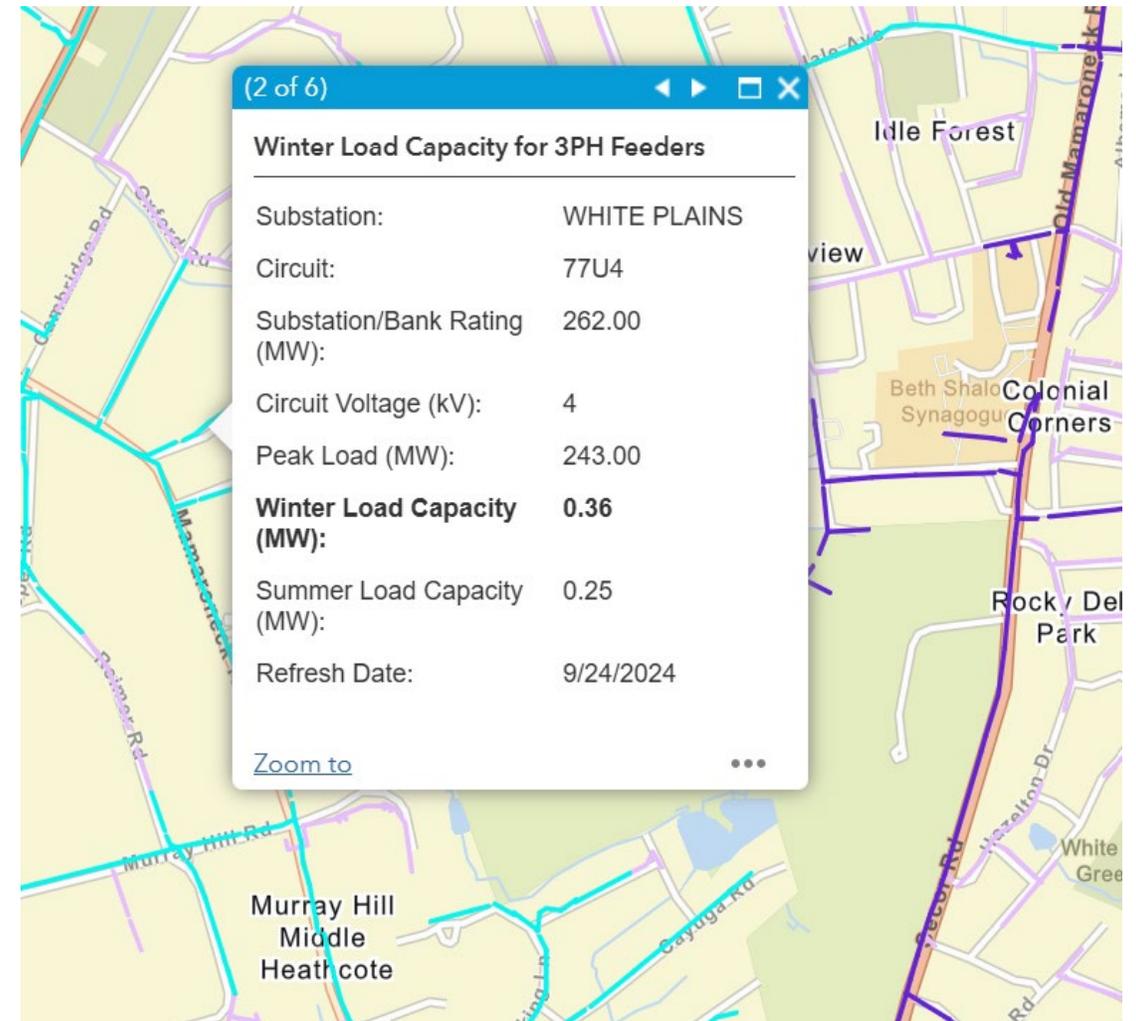
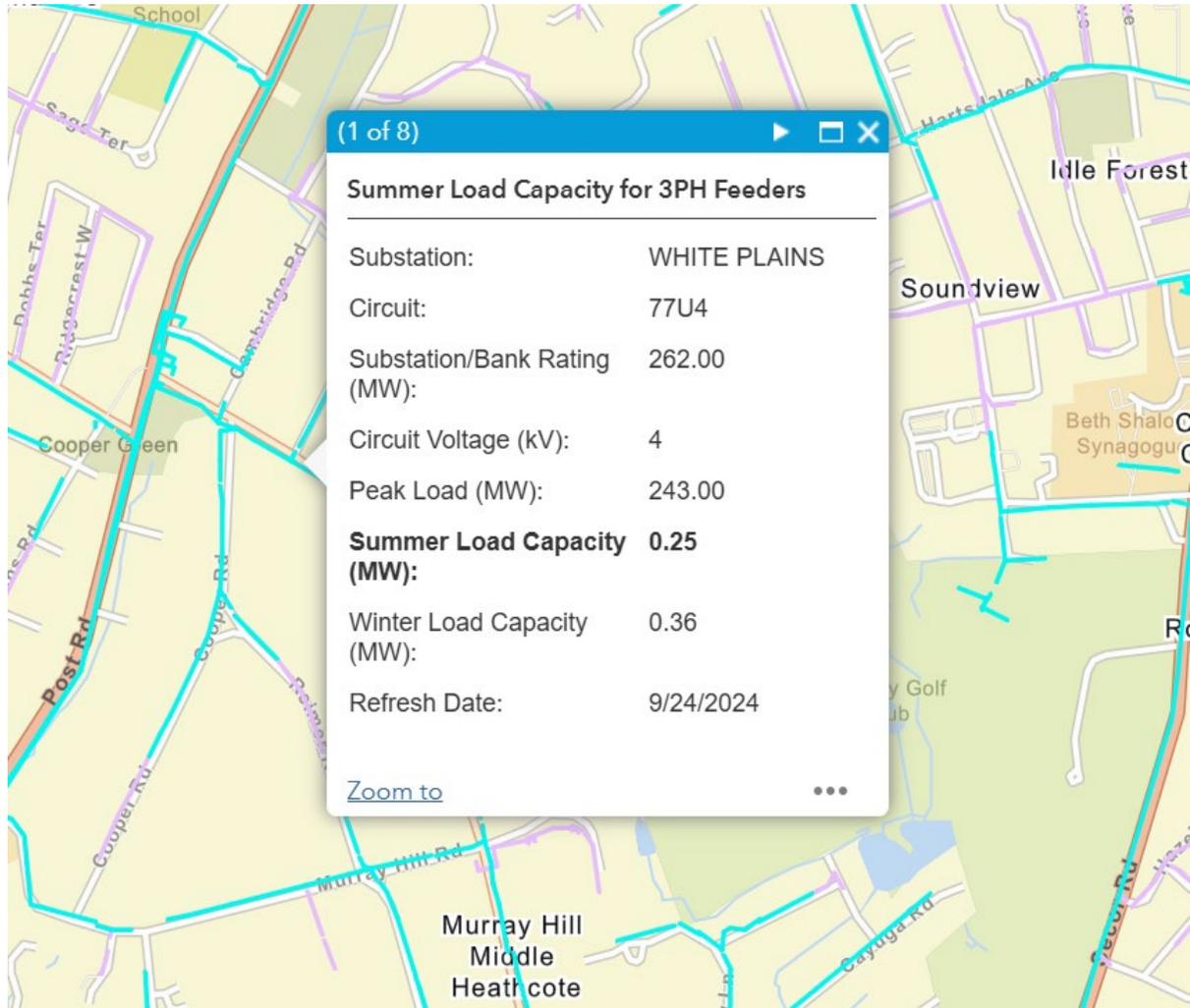


Summer ratings are appropriate for use in estimating available capacity for electric vehicle charging.

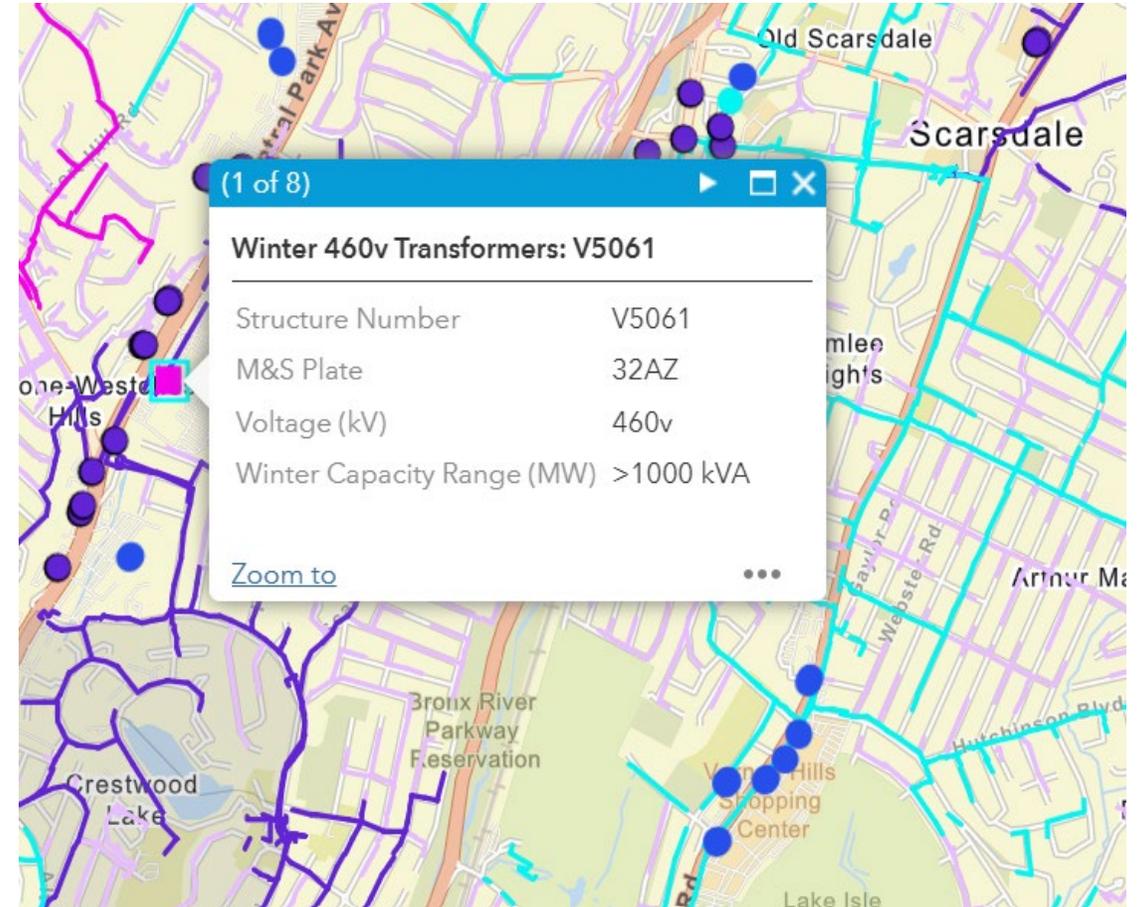
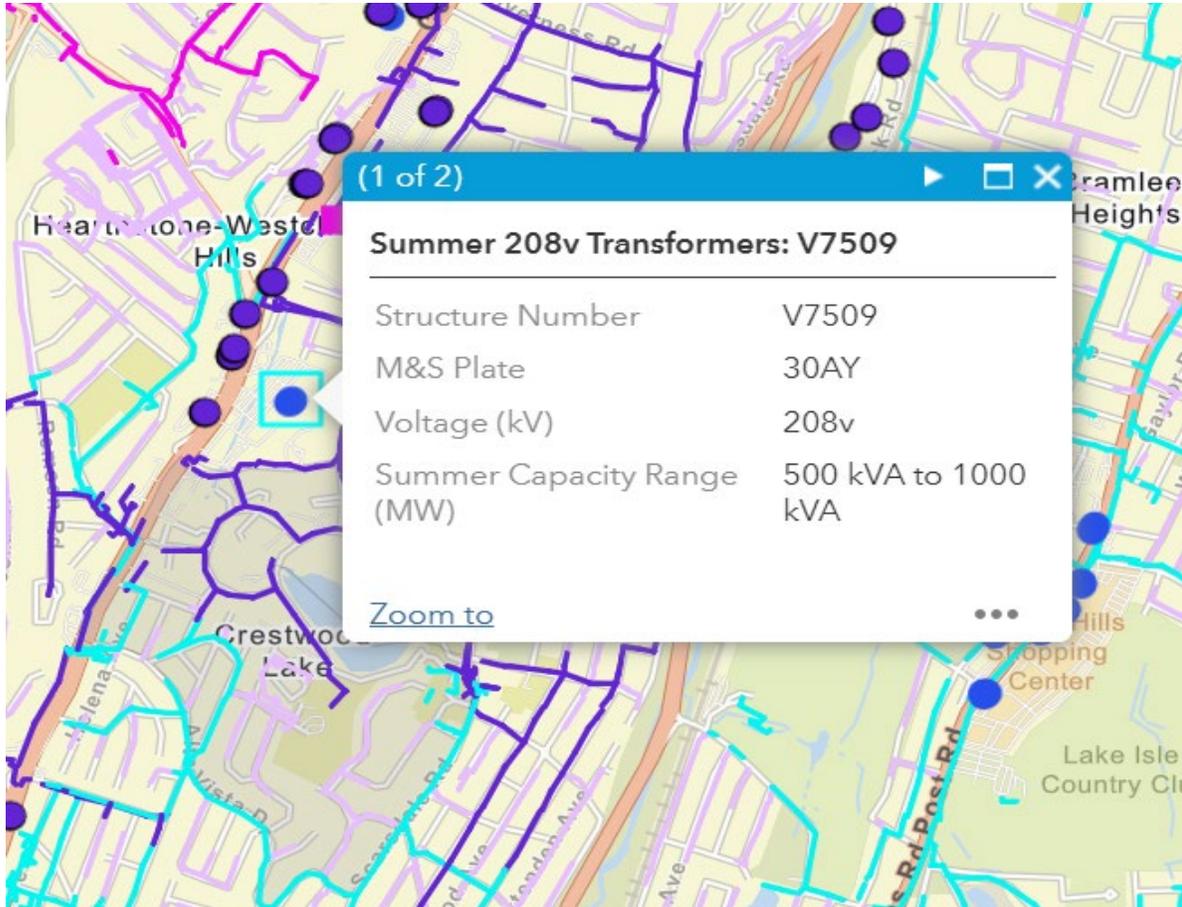


Winter ratings can be used in combination with summer ratings to determine available capacity for building electrification.

Feeder Level Capacity – Summer and Winter Views



Transformer Level Capacity – Summer and Winter Views



Additional Resources

More information on Con Edison's Hosting Capacity Maps can be found on the Hosting Capacity web page, including definitions, data system available, and FAQs.

Links to these web pages can be accessed within the "Introduction" tab of the Hosting Capacity Maps:



The screenshot shows the top navigation bar of the Con Edison Hosting Capacity Web Application. The title "Con Edison Hosting Capacity Web Application" is on the left, and the "conEdison" logo is on the right. Below the title is a horizontal menu with seven tabs: "Introduction" (highlighted), "Non-network PV", "Network PV", "Non-Wires Solutions", "Electrification (formerly EV Charging)", "Non-network Storage", and "REST API". Below the menu is a blue banner with the "conEdison" logo and the text "Con Edison Company of New York".

FAQs:

- [Hosting Capacity FAQs | Con Edison](#)

Helpful Links:

- [Hosting Capacity | Con Edison](#)
- [About the Platform | Con Edison](#)
- [Distributed System Platform | Con Edison](#)
- [Applying for Private Generation Interconnection | Con Edison](#)
- [Integrated Planning Guidance Document \(2023\) | Joint Utilities of NY](#)

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

