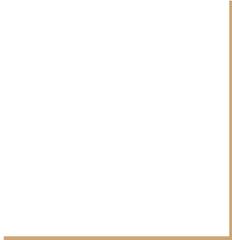


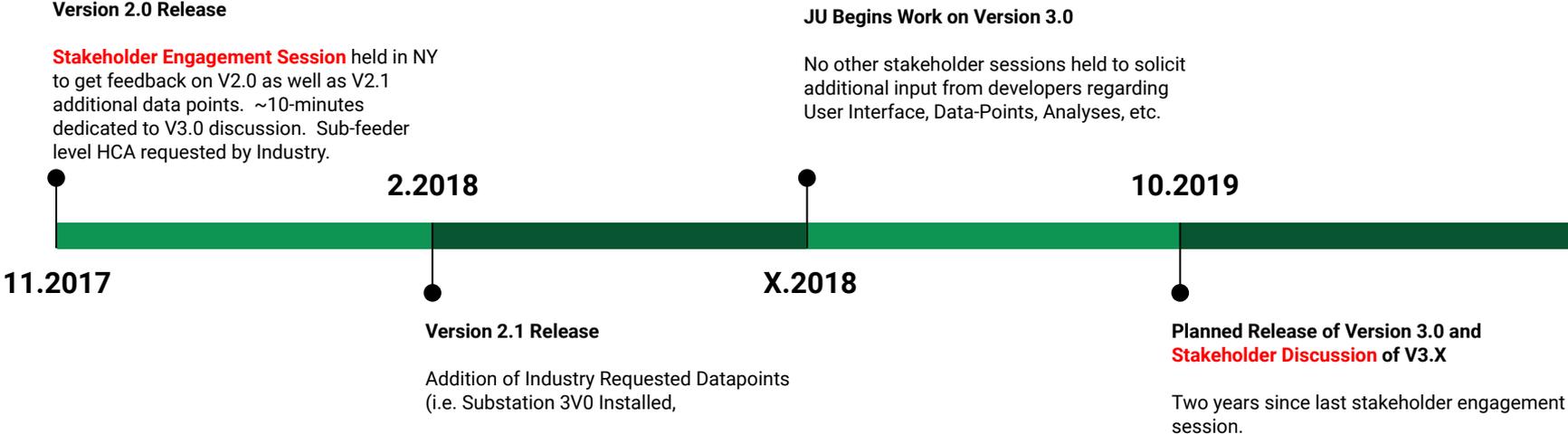


Hosting Capacity Map Discussion - Visual Aids -

By Industry



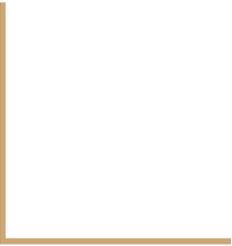
HCM Stakeholder Engagement Timeline





HCM Data Point Compliance

- V2.1 / V3.0 / V3.X -



HCM V2.1 - Mandated

	Control	Utilities				
	Mandated	Central Hudson	ConEdison	National Grid	NYSEG / RG&E	Orange and Rockland
Hosting Capacity Map Data Points	V2.1	V2.1	V2.1	V2.1	V2.1	V2.1
3V0 Protection Status (i.e. Pending, Yes, No)	☑	☑	☐	☑	☐	☐
Distributed Generation Queue (Feeder, Interconnected)	☑	☑	☑	☑	☑	☑
Distributed Generation Queue (Feeder, Queued)	☑	☑	☑	☑	☑	☑
Distributed Generation Queue (Substation, Interconnected)	☑	☑	☑	☑	☑	☐
Distributed Generation Queue (Substation, Queued)	☑	☑	☑	☑	☑	☐
Distributed Generation Queue Refresh Date (Feeder, Monthly)	☑	☑	☐	☑	☐	☑
Distributed Generation Queue Refresh Date (Substation, Monthly)	☑	☑	☐	☑	☐	☐
Distributed Generation Queue Total (Substation)	☑	☑	☑	☑	☑	☐
Hosting Capacity (Feeder, Maximum)	☑	☑	☑	☑	☑	☑
Hosting Capacity (Feeder, Minimum)	☑	☑	☑	☑	☑	☑
Hosting Capacity Refresh Date (Yearly)	☑	☑	☑	☑	☑	☑
ID/Name - Circuit	☑	☑	☑	☑	☑	☑
ID/Name - Substation	☑	☑	☑	☑	☑	☑
Load (Substation, Peak, Year Unknown)	☑	☑	☑	☑	☑	☑
Load Refresh Frequency (Unknown)	☑	☑	☑	☑	☑	☑
Nominal Voltage (Feeder, @ Substation)	☑	☑	☑	☑	☑	☑
Number of Phases (@ POI)	☑	☑	☑	☑	☑	☑

HCM V3.0 Cont.

Equipment Ratings - Transformer Bank Thermal Capacity (i.e. Nameplate)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hosting Capacity (Sub-Feeder)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hosting Capacity (Substation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hosting Capacity Refresh Date (More Frequent, Interval Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ID/Name - Circuit with Transformer Bank Identifier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ID/Name - Substation with Transformer Banks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load (Feeder, Minimum, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load (Feeder, Peak, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load (Substation, Minimum, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Load (Substation, Peak, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load (Transformer Bank, Minimum, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load (Transformer Bank, Peak, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Refresh Frequency (Yearly, Previous Year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Locational System Relief Value (LSRV)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Map Filterability (Basic Functionality)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nominal Voltage (Feeder, @ POI)	<input checked="" type="checkbox"/>					
Nominal Voltage (Feeder, @ Substation)	<input checked="" type="checkbox"/>					
Non-Wires Alternatives (NWA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Number of Phases (@ POI)	<input checked="" type="checkbox"/>					
Satellite Imaging Layer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HCM V3.X

	Control	Utilities				
	Industry Requested	Central Hudson	ConEdison	National Grid	NYSEG / RG&E	Orange and Rockland
Hosting Capacity Map Data Points	V3.X	V3.X	V3.X	V3.X	V3.X	V3.X
3V0 Protection Status (i.e. Pending, Yes, No)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Add Incremental Feeder Level DER Installed since HCA refresh	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Addition of Sub-Transmission Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Circuit Configuration (i.e. Radial, Network, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Circuit Length Estimate (POI to Substation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Circuit Length Estimate (Substation Location and Measurement Tool)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue (Feeder, Interconnected)	<input checked="" type="checkbox"/>					
Distributed Generation Queue (Feeder, Queued)	<input checked="" type="checkbox"/>					
Distributed Generation Queue (Substation, Interconnected)	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Distributed Generation Queue (Substation, Queued)	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Distributed Generation Queue (Transformer Bank, Interconnected)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue (Transformer Bank, Queued)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue Inventory (Feeder)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue Inventory (Substation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue Refresh Date (Feeder, Daily)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Generation Queue Refresh Date (Substation, Daily)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downloadable Feeder Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downloadable Substation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Easy Login Credential System with Disclaimer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Energy Storage Incorporation Use Cases	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Equipment Ratings - Conductor Thermal Capacity (@ POI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Ratings - Conductor Thermal Capacity (@ Substation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Ratings - Distribution Equipment Backfeeding Capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Ratings - Distribution Equipment Thermal Capacity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

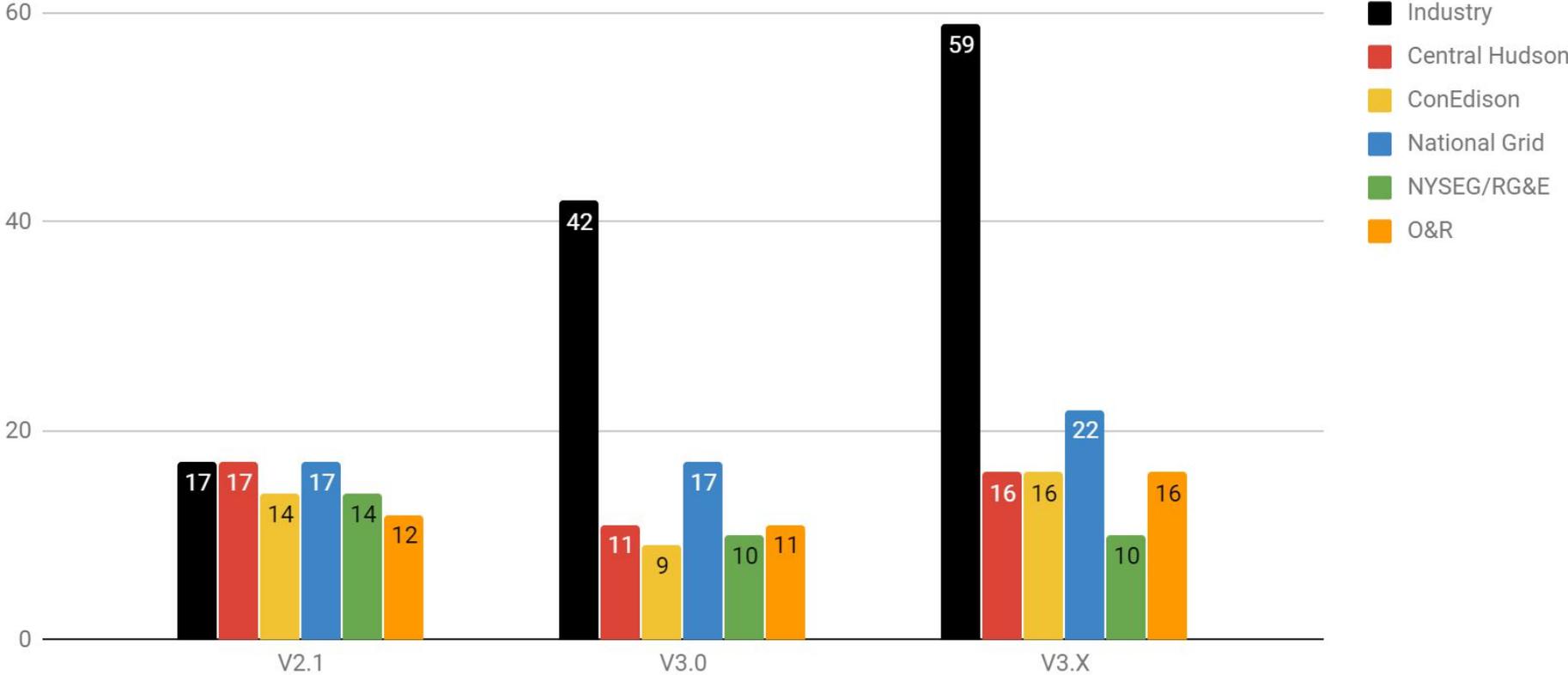
HCM V3.X Cont.

Equipment Ratings - Transformer Bank Thermal Capacity (i.e. Nameplate)	☑	☐	☐	☐	☐	☐
Fault Current At POI	☑	☐	☐	☐	☐	☐
Hosting Capacity (Forecasted)	☑	☑	☑	☑	☐	☑
Hosting Capacity (Operational Flexibility)	☑	☑	☑	☑	☐	☑
Hosting Capacity (Sub-Feeder)	☑	☑	☑	☑	☑	☑
Hosting Capacity (Substation and by Transformer Bank)	☑	☐	☐	☐	☐	☐
Hosting Capacity (Substation)	☑	☐	☐	☐	☐	☑
Hosting Capacity Refresh Date (Upgrade Dependent)	☑	☐	☐	☐	☐	☐
ID/Name - Circuit with Transformer Bank Identifier	☑	☐	☐	☐	☐	☐
ID/Name - Substation with Transformer Banks	☑	☐	☐	☐	☐	☐
Load (Feeder, Minimum, Previous Year)	☑	☐	☐	☐	☐	☐
Load (Feeder, Peak, Previous Year)	☑	☐	☐	☑	☐	☐
Load (Substation, Minimum, Previous Year)	☑	☐	☐	☐	☐	☑
Load (Substation, Peak, Previous Year)	☑	☐	☐	☐	☐	☐
Load (Transformer Bank, Minimum, Previous Year)	☑	☐	☐	☐	☐	☐
Load (Transformer Bank, Peak, Previous Year)	☑	☐	☐	☐	☐	☐
Load Curve (Feeder, Minimum, Previous Year)	☑	☐	☐	☐	☐	☐
Load Curve (Feeder, Peak, Previous Year)	☑	☐	☐	☐	☐	☑
Load Curve (Substation, Minimum, Previous Year)	☑	☐	☐	☐	☐	☐
Load Curve (Substation, Peak, Previous Year)	☑	☐	☐	☐	☐	☐
Load Curve (Transformer Bank, Minimum, Previous Year)	☑	☐	☐	☐	☐	☐
Load Curve (Transformer Bank, Peak, Previous Year)	☑	☐	☐	☐	☐	☐
Load Refresh Frequency (Yearly, Previous Year)	☑	☐	☐	☐	☐	☐
Load Zone	☑	☑	☑	☐	☐	☑
Locational System Relief Value (LSRV)	☑	☐	☐	☐	☐	☐

HCM V3.X Cont.

Map Filterability (Advanced Functionality)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Map Filterability (Basic Functionality)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nominal Voltage (Feeder, @ POI)	<input checked="" type="checkbox"/>					
Nominal Voltage (Feeder, @ Substation)	<input checked="" type="checkbox"/>					
Nominal Voltage (Transformer Primary)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-Wires Alternatives (NWA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Phases (@ POI)	<input checked="" type="checkbox"/>					
Number of Reclosers Between Substation and POI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Regulatory Devices Between Sub and POI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satellite Imaging Layer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

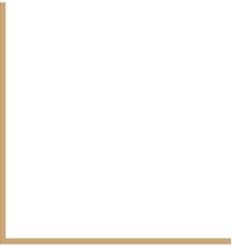
Utility Compliance with Industry Expectations

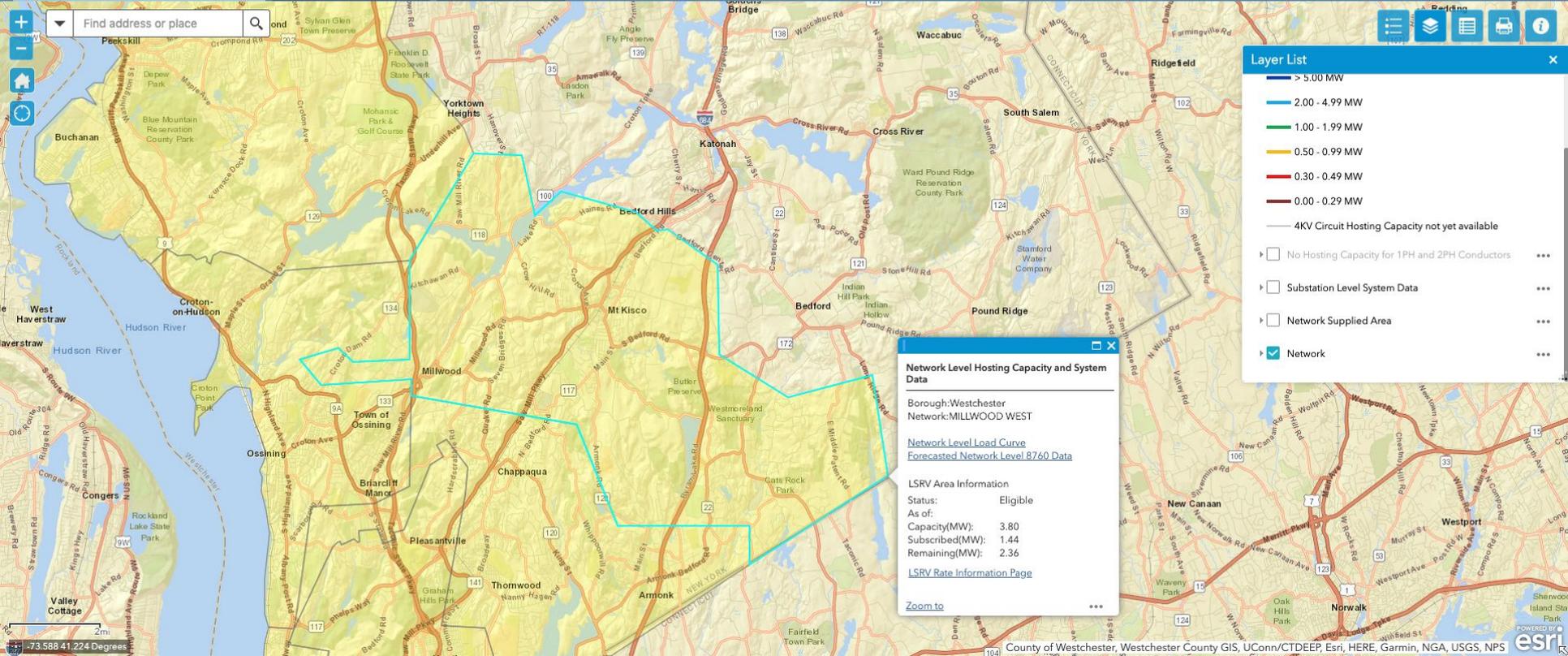




HCM V.2.1 Examples

- *Current Major Issues* -





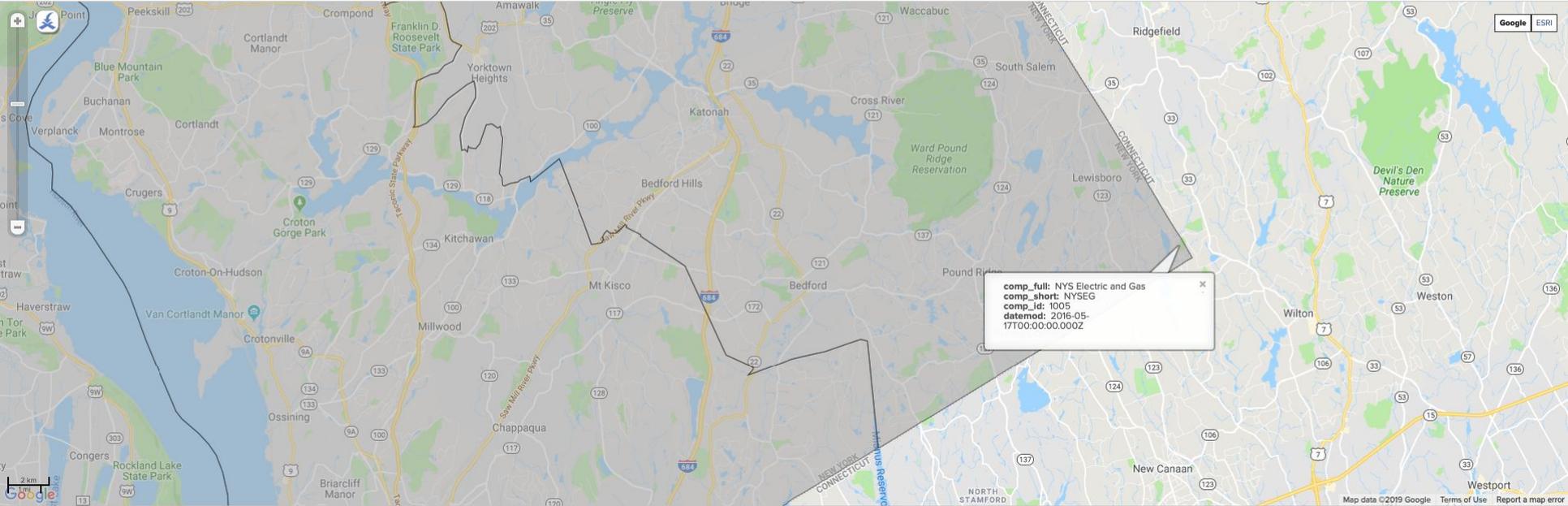


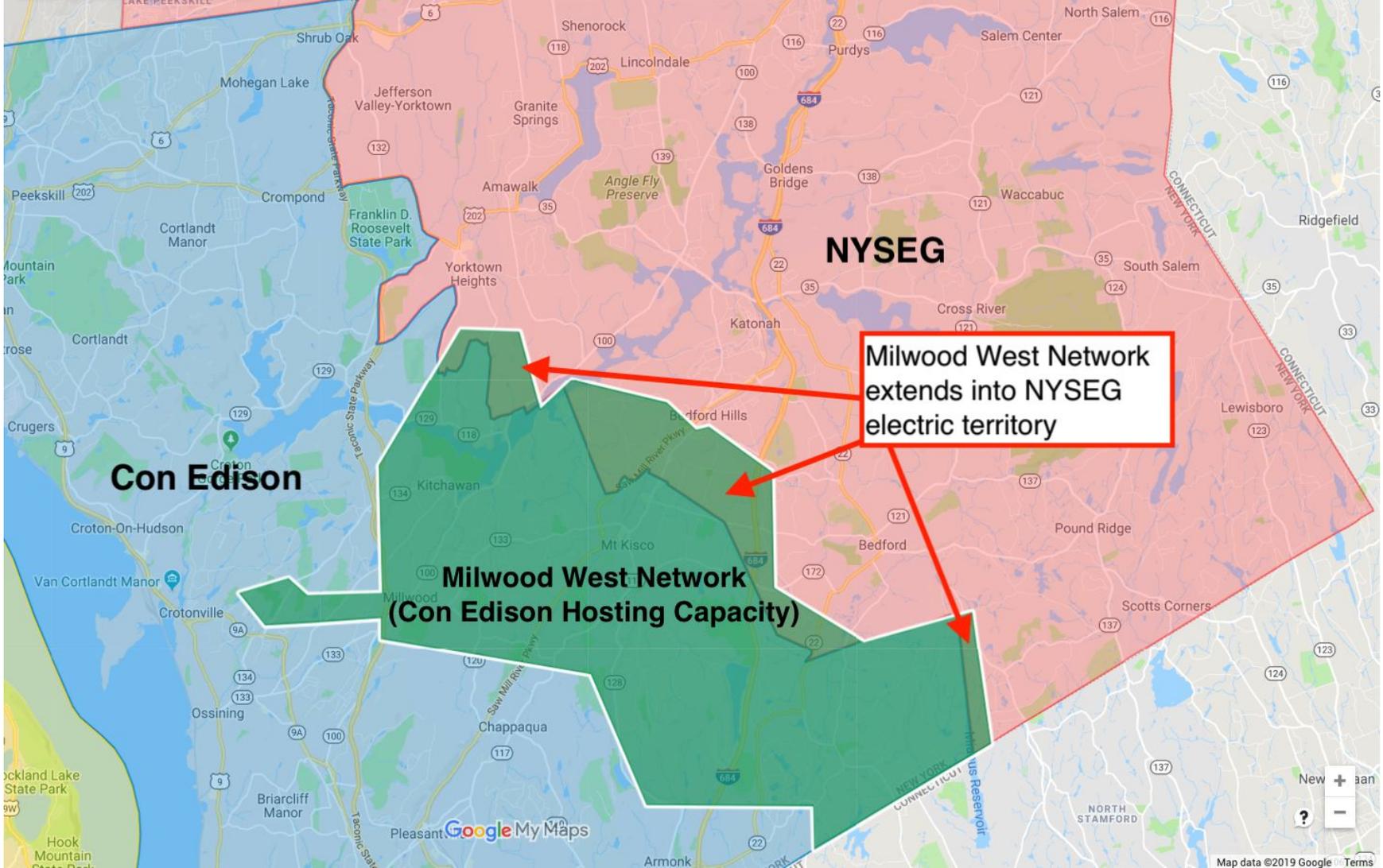
NYS Electric Utility Service Territories

Based on [NYS Electric Utility Service Territories](#)

Electric utility service boundaries in NYS.

More Views Export Discuss Embed About





NYSEG

Con Edison

**Milwood West Network
extends into NYSEG
electric territory**

**Milwood West Network
(Con Edison Hosting Capacity)**



+ - 100 Millwood Rd, Chappaqua X Q

Show search results for 100 Mil...

