



Future of Transportation in Otsego County

Support Our Customer's Transition to Electrification

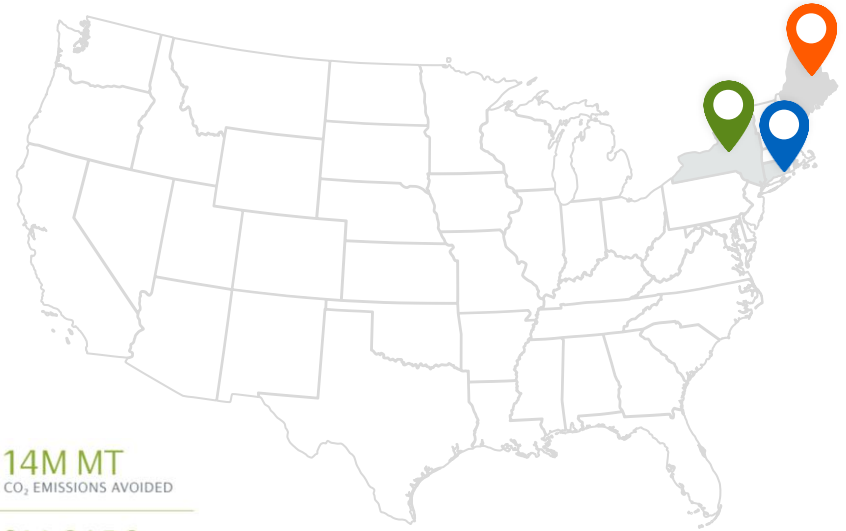
March 30, 2023

NYSEG: A company that believes in sustainable energy

AVANGRID 2.2 million electric customers

All of our Networks Companies believe in a sustainable energy future for the U.S. :


- Grid investments that support clean and renewable energy resources.
- Support research for Smart Grid Innovation.
- Promote energy conservation.
- Promote the use of electric and hybrid vehicles
- Support responsible environmental policies
- Seek to reduce our own carbon footprint.




Forbes JUST 100
Ranked number one
 w/in the utility industry




14M MT
 CO₂ EMISSIONS AVOIDED



3M CARS
 REMOVED FROM THE ROAD

NYSEG Tools are Helping Customers CHOOSE EV

EV MODEL INFO

NYSEG Market Today

ESTIMATED SAVINGS POTENTIAL

HOME EV FACTS SAVINGS CALCULATOR CO2 REDUCTION ALL-ELECTRIC MODELS PLUG-IN HYBRID MODELS TAX CREDITS & REBATES TIME OF USE RATE PUBLIC CHARGING

Electric Vehicle Model Information


We're providing basic information about electric vehicle (EV) models to help you understand the various performance attributes to consider when making a purchase. We try to keep the information up-to-date, but EV models and attributes change rapidly. Please refer to manufacturers for additional details. This list does not include information about plug-in hybrid (PHEV) or hybrid (HEV) electric vehicles.

Year:


Manufacturer: Price Range*: Range per Charge: Battery Capacity (kWh): Efficiency (kWh/mi):

Sort Order:


2021 Chevrolet Bolt EV
 Estimated Price: \$30,000 to \$40,000
 Technology: All-Electric EV
 Range: 259 miles charge
 Battery Capacity: 65 kWh
 kWh Consumption (EPA): 28.7
 Federal Tax Credit: No longer available for this model.
 \$7,500 before 01/31/2023
 \$3,750 on 02/01/2019 - 01/30/2019
 \$3,475 on 02/01/2019 - 01/31/2020



2021 Hyundai Kona Electric
 Estimated Price: \$30,000 to \$40,000
 Technology: All-Electric EV
 Range: 258 miles charge
 Battery Capacity: 64 kWh
 kWh Consumption (EPA): 27.0
 Federal Tax Credit: \$7,500



2021 Nissan Leaf (62 kWh battery pack)
 Estimated Price: \$30,000 to \$40,000
 Technology: All-Electric EV
 Range: 226 miles charge
 Battery Capacity: 62 kWh
 kWh Consumption (EPA): 31.3
 Federal Tax Credit: \$7,500





- ~17,803 EVs
- 1824 Public L2 ports
241 Public Fast Chargers

(Source: [EvaluateNY – Atlas Public Policy \(atlaspolicy.com\)](https://www.atlaspolicy.com) DEC 2022)

Calculate your estimated monthly savings potential.

Input the estimated miles you drive each day.

REFINE DETAILS

Select Gas Vehicle:



Estimated Savings*
\$172/mo.
(\$186/yr.)

NYSEG offers Off-Peak, On-Peak and Standard rates. Our Off-Peak rate provides the most cost-effective rates for EV charging.
 #EV-TDU-Rate On-Peak 11.209/kWh (5.0666/kWh)
 #EV-TDU-Rate On-Peak 7.506/kWh (1.1209/kWh) (5.1255/kWh)
 #Standard Residential Rate \$0.0864/kWh

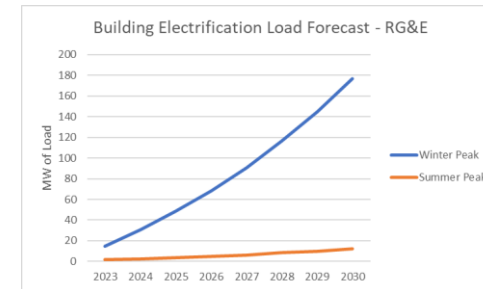
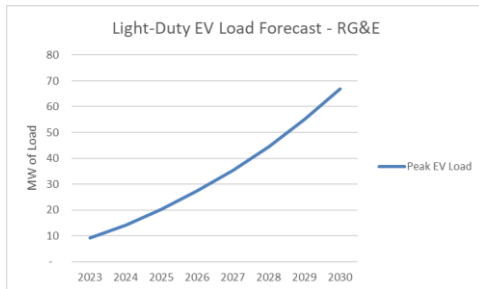
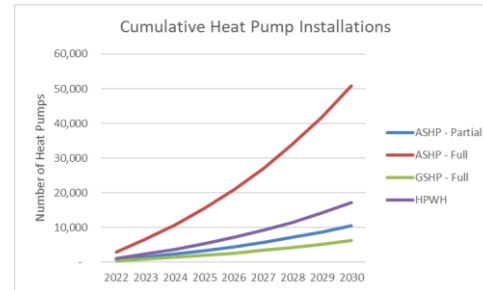
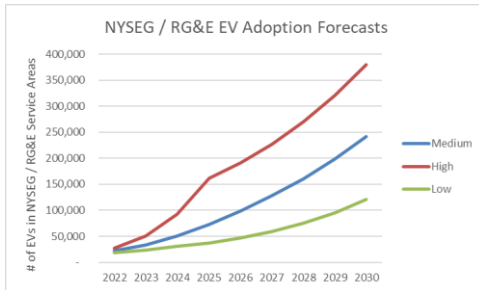
Preparing the Grid for Changing Customer Needs



CURRENT ACTIVITY

Continuously improving Beneficial Electrification Forecasts

- EV charging data usage analysis
- Heat pump usage data analysis
- Academic Research collaborations
- Circuit allocation of EV load forecasts
- Development and demonstration of solutions to produce circuit level EV, heat pump, and solar PV forecasts



Preparing the Grid for Changing Customer Needs



FUTURE ACTIVITY

Adding New Tools and Data to Inform Forecasting

- Comprehensive fleet inventory and electrification assessment
- Using traffic volume data to identify areas with higher likelihood of future charging infrastructure
- Heat pump adoption and utilization analysis
- Evaluating tools for developing “bottom up” forecasts

The screenshot shows the Central Maine Power website. At the top, there's a navigation bar with 'Pay Bill', 'Emergency', and a search bar. Below that, a user greeting says 'Hello, Welcome back My Account'. The main content area is titled '/ Smart Energy / Innovation / Plug-In Electric Vehicles'. There are two columns: 'IN THIS SECTION' with links like 'Why is CMP Involved?', 'CMP EV Charging Station Program', 'Grant Recipients', 'Electric Vehicles in Our Fleet', and 'Electric Buses in Your Fleet?'; and 'Quick Links' with icons for 'Energy-Saving Products' and 'Energy Library'. The 'Electric Buses in Your Fleet?' article is expanded, showing a sub-header 'Electric Buses in Your Fleet?' and introductory text about a pilot program to improve local charging options. It mentions a partnership with industry leader Hilsack to develop an Electric Fleet Assessment program. A 'Quick Links' list includes: Identification of replacement electric vehicles, Total cost comparison, Electricity rate analysis, Implementation cost estimate, Operations and maintenance cost estimation, Charging hardware costs, Greenhouse gas emission, and Incentives and tax credit. The Central Maine Power logo and 'An AVANGRID Company' are at the bottom.

Municipal and School Bus Electric Vehicle Fleet Assessment Pilot Customer Intake Form

In order to set your business up to participate in the Municipal and School Bus Electric Vehicle Fleet Assessment Pilot we need participants to complete the below information. Please complete all fields in this fillable PDF and email to: Aaron.Smith@avangrid.com

Please be sure to keep a copy for you records to access the pilot data system.

Contact First Name	
Contact Last Name	

State Policies and Utility Regulators Expect More EVs

NYS Policies Support EVs Through Legislation

ZEV Mandate Compliance in NY sets targets for 850,000 EVs by 2025

NY Governor signs California rules to ban light-duty ICE vehicles sales by 2035 and MHD by 2045

NY Governor signed amendments to Senate Bill S7836 to create tariffs utilizing alternatives to traditional demand-based structures to facilitate faster charging

Utility Regulators Support EVs through Encouraging Utility Incentive and Programs

Approved \$601 million to support Make-Ready Programs in NYS, \$206 million must directly benefit disadvantaged communities, which includes:

- Incentives for businesses to install charging stations
- Assistance to fleets for creating EV fleet transition plans
- A pilot program to convert MHDV to electric alternatives
- A Mass Market Managed Charging Program that encourages customers to charge at times with the least impact to the electrical grid

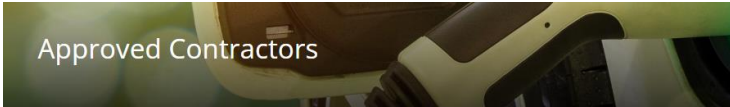
NEXT UP: MEDIUM & HEAVY DUTY FLEET SECTOR TARGET

How Can You Get ENGAGED?



JOIN THE EV WORKFORCE

BECOME AN APPROVED INSTALLER CONTRACTOR



DCFC PER-PLUG INCENTIVE PROGRAM

MAKE-READY PROGRAM

Fleet Assessment Services

Approved Contractors and Application

Medium- and Heavy-Duty EV Make-Ready Pilot

Make-Ready Program Approved Contractors

Entities wishing to install electric vehicle chargers under the EV Make-Ready Program must do so using one of the Approved Contractors in their service territory listed in the table below. If you are seeking to become an Approved Contractor through the Make-Ready Program, please fill out the application linked below.

[Apply Here or Edit an Existing Application](#)



Service Areas

- Central Hudson
- Con Edison
- National Grid
- NYSEG
- RG&E
- Orange & Rockland

Services Provided

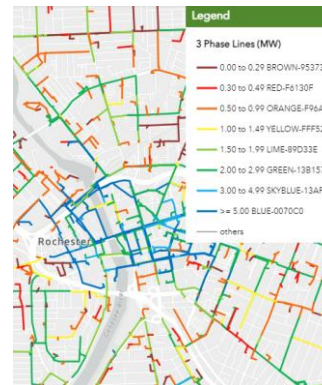
- Manufacturing/ Distribution
- Engineering
- Electrical
- Construction
- Turnkey EVSE Developer
- Owner/Operator
- Other

Name	Email	Phone
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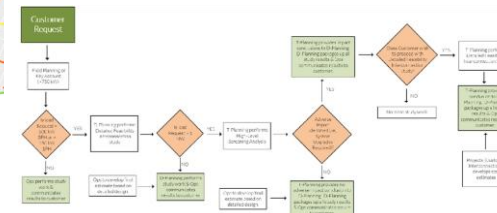
HOST A PUBLIC CHARGING STATION

CONTACT YOUR UTILITY EARLY AND OFTEN



STEP 2: SUBMIT A MAKE-READY APPLICATION AND LOAD REQUEST

STEP 1: REVIEW LOAD HOSTING CAPACITY MAPS





THANK YOU

CHRISTINA FICICCHIA

| Manager, Smart Grids Innovation