

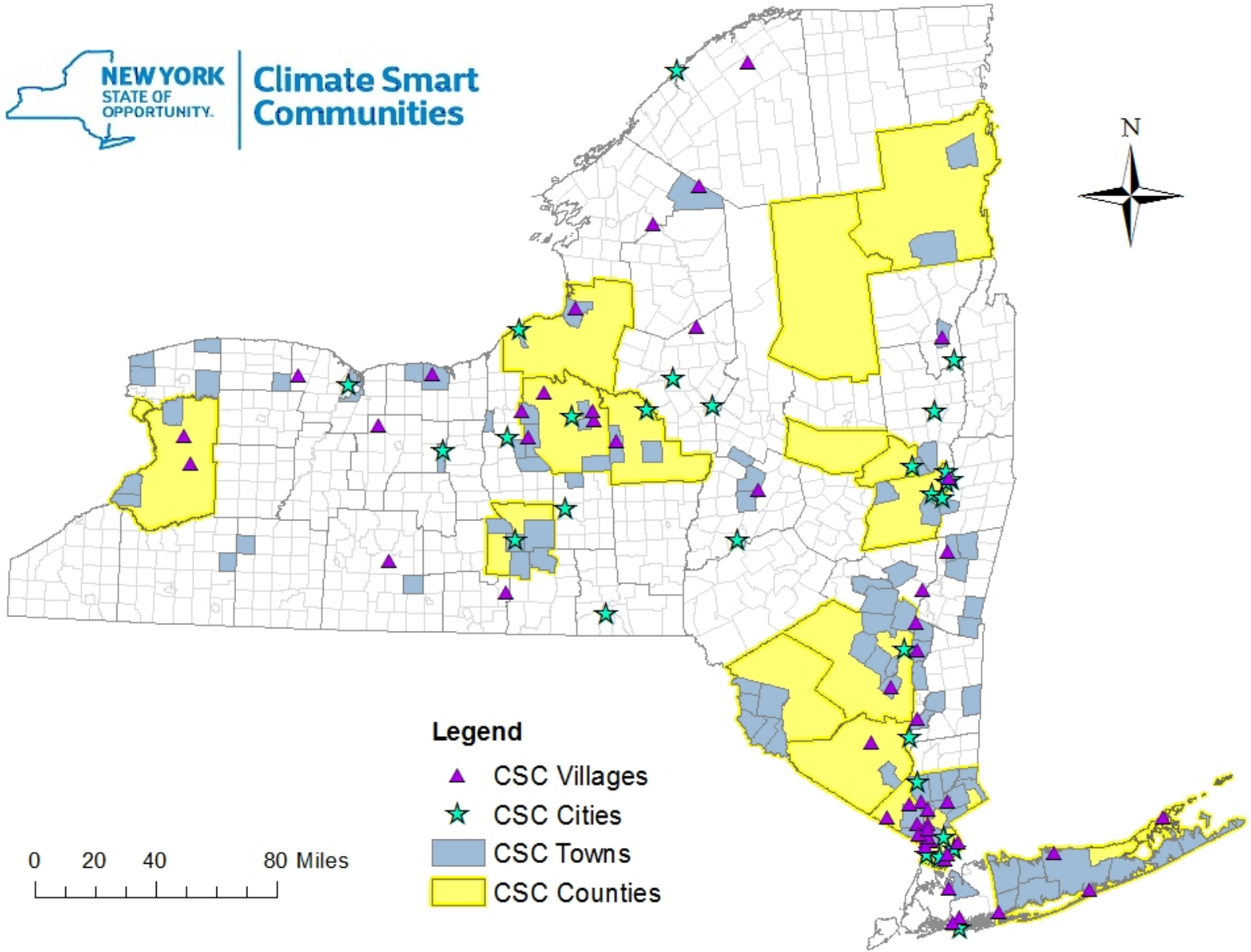


**CLEAN ENERGY AND CLIMATE
RESOURCES FOR YOUR COMMUNITY-
*ELECTRIC VEHICLE RESOURCES FOR
MUNICIPALITIES***

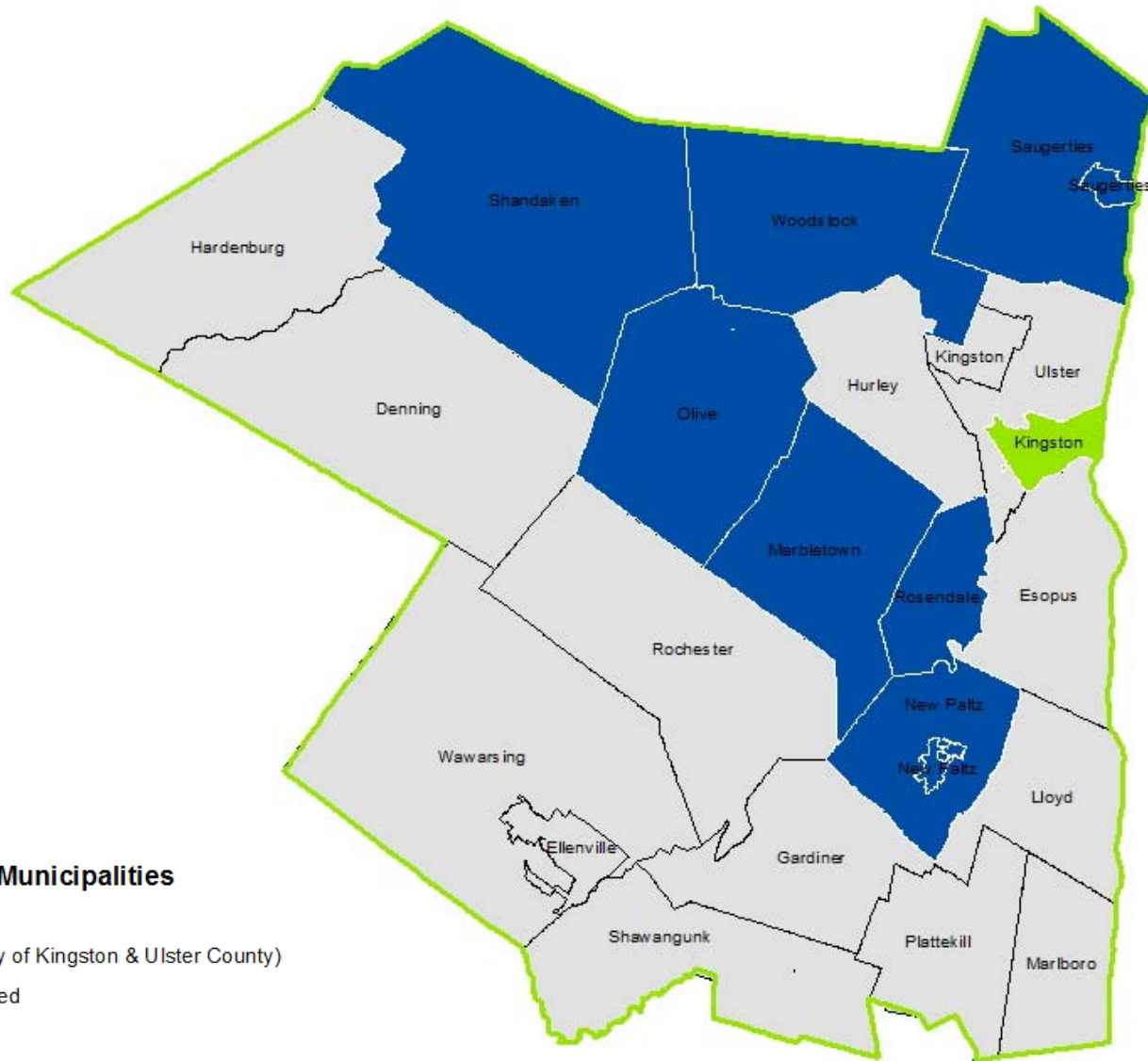
Amanda LaValle
Ulster County Dept of the Environment
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845-338-7455



Climate Smart Communities





Ulster County- Climate Smart Communities



Legend

Ulster County Municipalities

CSC Status

-  Certified (City of Kingston & Ulster County)
-  Pledge Passed

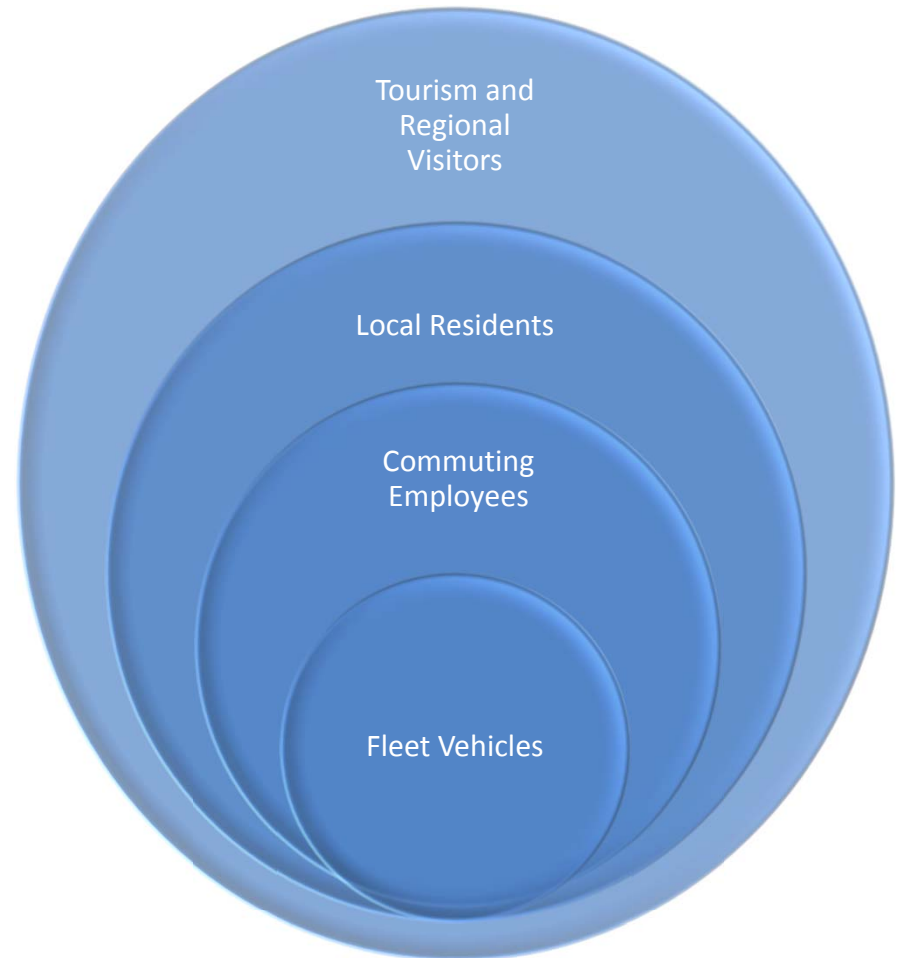
Electric Vehicle Charging Stations & EVs in your municipal fleet

- Part of and recognized by both the Climate Smart Communities Program and the Clean Energy Communities program
- Municipal FUNDING opportunities exist!



Electric Vehicle Charging Stations & EVs in your municipal fleet

- One project with multiple layers of potential benefit, reaches far beyond the UC Fleet!
- Takes advantage of the location of many county buildings as logical EVSE sites.
- Provide environmental and economic benefit
- Demonstrates the equipment and technology to the public.



Station Siting and Installation



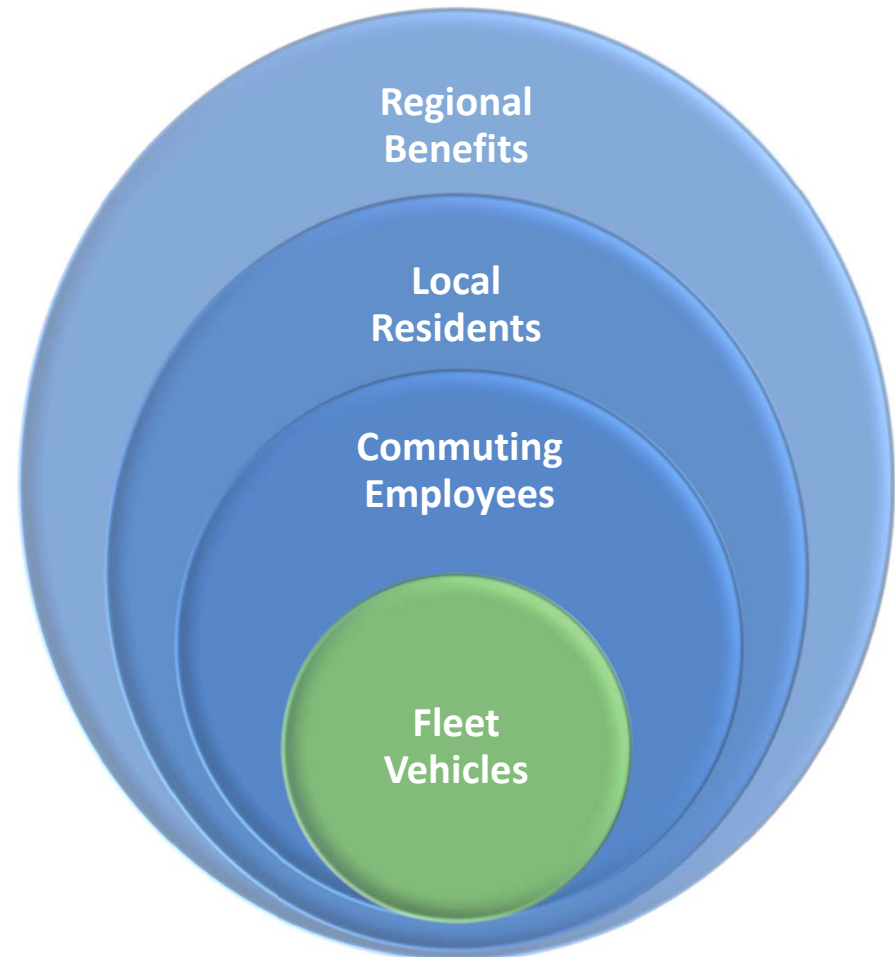
- Installed charging stations at 9 sites.
- Worked with vendor and Ulster Co DPW to identify best sites.
- UC DPW did the site work, electrical panel work required for installation.

- Each station has two ports; Cable can reach beyond proximate two spaces next to the charger. Flexibility to designate more spaces in the future.



Ulster County Fleet

- Currently have approximately 115 cars in our fleet. Most are used for short trips (inspections, site visits) and are conducive to plug-in hybrids
- 2015 UC purchased four plug-in hybrid sedans. Deployed them in department where we identified both advantageous driving patterns and willing “champions”
- 2016 ordered four additional PHEV sedans
- 2017 plan to order 1 BEV, 10 PHEVs, 1 HEV
- Expect to meet the 5% Goal of the Green Fleet Law in 2017, three years ahead of the 2020 deadline.



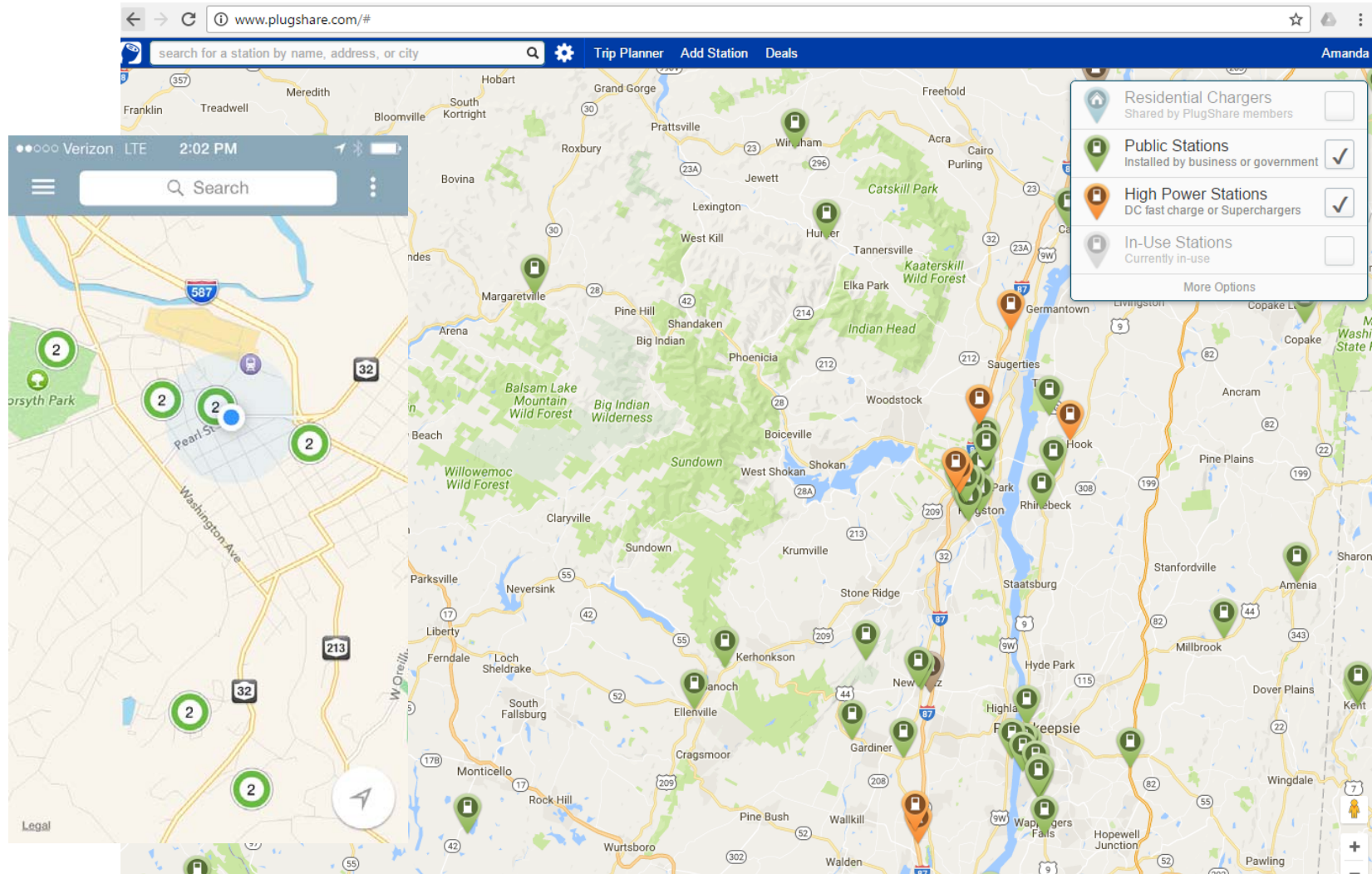
Funding- NYS DEC

Municipal Zero Emission Vehicle (ZEV) & ZEV Infrastructure Rebate Program

- Applications due 12/31/16 and 3/31/17
- <http://www.dec.ny.gov/energy/76910.html>

Category	Total Available	Maximum Rebate	Maximum per Municipality	Match per Project	State Share per Project
Clean Vehicle Purchase or Lease	\$750,000	\$5,000 per vehicle (50+ mi. electric range); \$2,500 per vehicle (10-50 mi. electric range)	\$375,000	Not Applicable	Grant amount up to rebate limits
Electric Vehicle Supply Equipment Infrastructure (EVSE)	\$1,250,000	\$250,000 per facility	\$625,000	20% of Grant Amount	Up to \$8000 per port (EVSE) or up to \$32,000 per pedestal (Direct Current Fast Charge)
Hydrogen Fuel Cell Infrastructure	\$1,000,000	\$250,000 per facility	\$750,000	20% of Grant Amount	Grant amount up to rebate limits

Regional EV Charging Stations



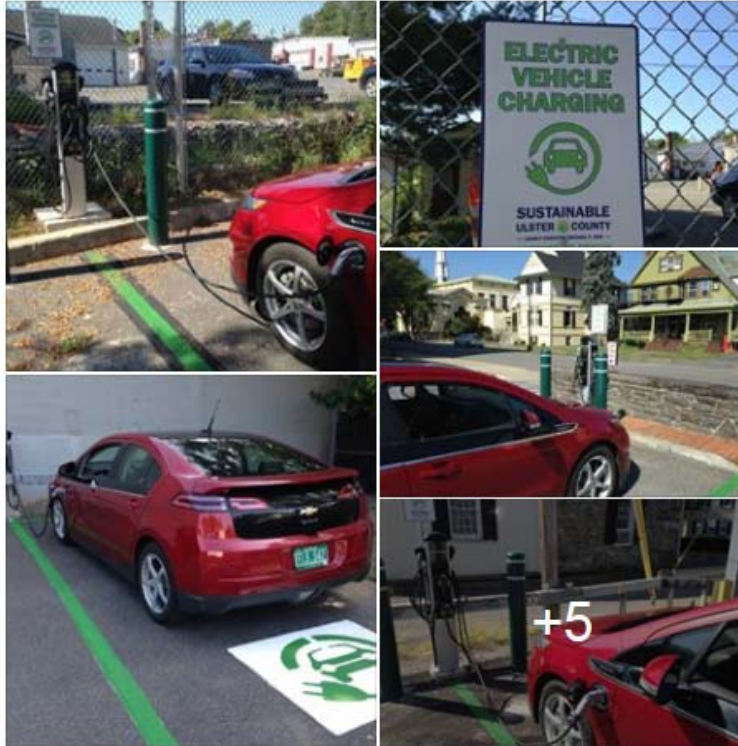
63% of Public Charging Stations are Offered for Free -Charged Magazine



Mike Kamm

September 6 at 10:28pm · Edited

I located and plugged into all 8 new Ulster County chargers in Kingston today. I have to applaud Ulster County for going big and peppering Kingston with high quality, user friendly, ChargePoint chargers. My favorite one was located at 1 Development Ct. It was walking distance to various fast food places and also King's Valley diner.



Like Comment

You and 8 others like this.

Seen by 35



Chris Neff Nice Mike. The ones just off Crown St I saw were ICE'd - it was during the Farmers Market. I took a pic and shot it to the town council people so they are aware. I did not see any EV ONLY signs - just EV charging signs. The ones at the municipal building on Main are prob less prone to ICEing until they work this all out. Either way Kingston is really doing awesome here



Files

Add File

ner in Ulster
sharing some Ulster



charging

g place to get a



Amanda LaValle Genson

September 3 at 10:57am · Kingston, NY

Some EV Charging Station news from Ulster County. Stations are on the ChargePoint network and are also listed on Plugshare. We are excited about this project and hope you come to visit us in Ulster County!



Ulster County has installed 9 electric car-charging stations, and they can be used for free

KINGSTON >> With a gas station on almost every corner, finding a place to get a fill up is no problem for most motorists.

DAILYFREEMAN.COM

Like Comment Share

You and 12 others like this.

Seen by 51

View 3 more comments



Chris Neff Look who I met today 😊 Amanda LaValle Genson and Ken - that is my i3 - These chargers rock, really nice town area along Wall St. The Farmers market was hopping



September 6 at 9:38pm · Edited · Like



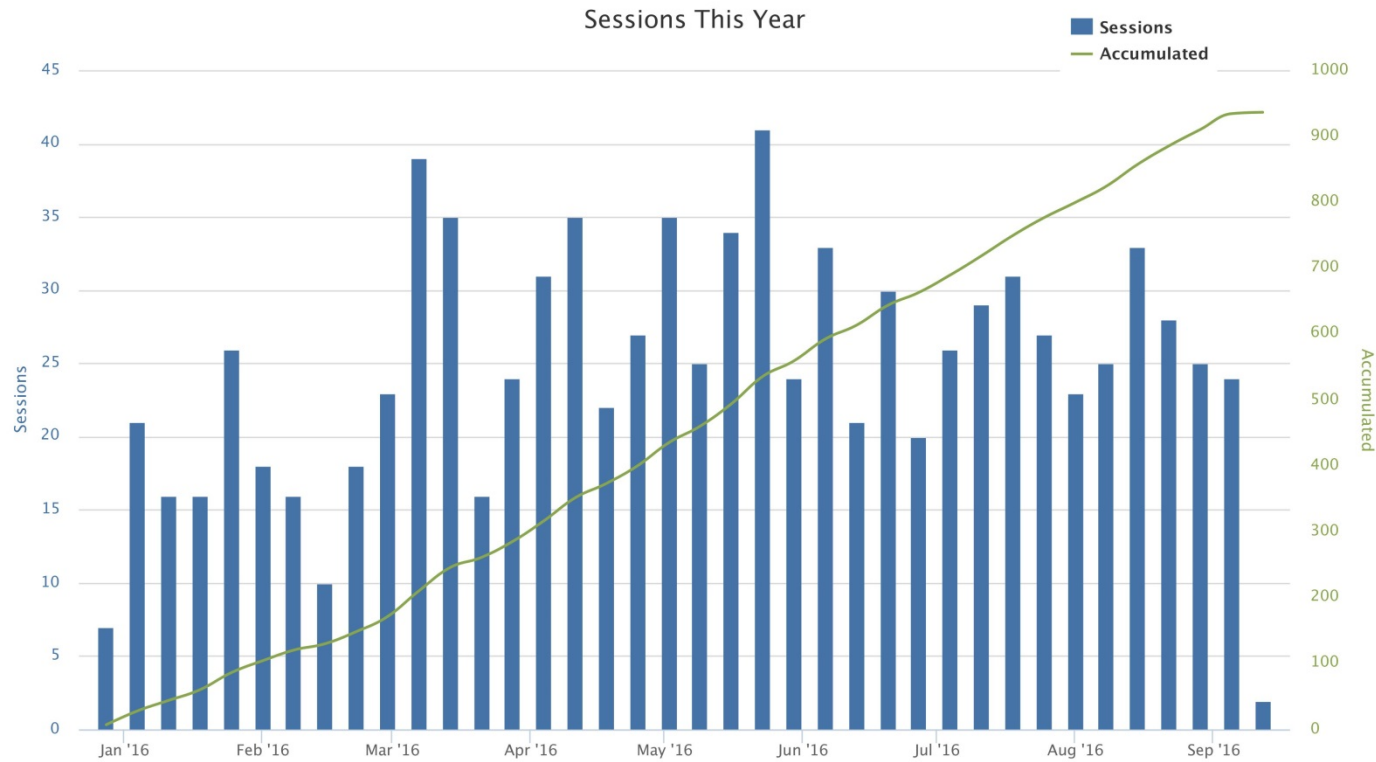
Amanda LaValle Genson Thanks again for coming to check out the project. Uptown Kingston is a happening place on Saturdays. Glad you got to see the Kingston Farmer's Market in full swing!

Yesterday at 6:38am · Edited · Like · 2

Green Economy

- “When I drive through that area heading north in my EV (BMW i3) that is just about where I'm looking for a quick boost...I'm also with my family and I guarantee they won't want to sit in the car for an hr, **they will want to eat and shop.** These two factors alone make Kingston a destination for me instead of just a sign we pass along the Thru-way. We are looking forward to visiting soon - being free has really little to do with it.”
- “... By installing these stations at minimal cost Ulster County is looks to the future in **providing a service desired by forward-thinking, often younger talented people,** that will want to live in Ulster County. It also provides an incentive for residents to buy electric cars...Thank you Ulster County for showing the world that we are looking forward and languishing with our heads stuck in the not stuck in the 20th Century oil sands.”
- “Instead of driving right past Kingston as I have done for the past 30 years, **I pulled off at exit 19 and stopped for lunch** at King's Diner [that I previously never knew existed] yesterday. You can thank the Development Ct. charger installation. Yes, these chargers do attract passers-through to stop and spend money in town, instead of passing it by.”
- “This is definitely a major step in the right direction for Ulster County, who before this was a black hole on the EV charging infrastructure map. **I look forward to charging, shopping and eating in the area on my way to and from Albany.**”

Tracking Use



ChargePoint provides data on charging time, time vehicles occupy the station (including non-charging time), total energy consumed, rate at which energy is consumed, unique driver ID, zip code of driver

Charging Station Stats

- During 2016 (1/1-9/11), UC has hosted 936 sessions (282 fleet vehicle session), delivering 5,981 kwh of electricity.
- Total cost for that time, offset by sponsorship, is \$481.67.
- County buys Renewable Energy Credits (green power) for all our electricity = zero emissions electricity
- Users from Buffalo, Batavia, Westchester, Rockland, Connecticut, Vermont, Pennsylvania, New Jersey and California (photos below)



Interested in Applying?

- Opportunities through NY Power Authority
- Contact the UC Department of the Environment to learn more about how we can support your municipal application through our toolkit of documents.
- Contact, Amanda LaValle alav@co.ulster.ny.us
338-7455

SUSTAINABLE ULSTER COUNTY



— COUNTY EXECUTIVE MICHAEL P. HEIN —

GREENER BY DESIGN