



EV TOMPKINS

DRIVE ELECTRIC

Have you noticed more electric vehicles (EV) on the road recently? Perhaps you have seen a EV charging station near your workplace, in the downtown garages, or around town? Tompkins County was recently selected to be a model EV Accelerator Community for a NYSERDA supported project to prepare the State for the coming wave of EV ownership. The county is becoming a welcoming community for EVs by providing charging, service, and support to local and visiting drivers. EVTompkins, a community led initiative, is working with local stakeholders, community members, dealerships, municipalities, and others to bring together all of the necessary elements of an electrified transportation system. Creating an EV-friendly environment will boost EV sales to higher than the baseline and national averages, a critical first step in moving electrification beyond a niche product and into the main stream.

It's a great time to purchase an electric vehicle in New York State. There are more models available each year that can fit a range of needs. Currently there are over a dozen completely electric plug-in vehicles that can go anywhere from 60 to over 230 miles on a single charge! There are also dozens of plug-in electric hybrids available that have some electric range plus a gas powered motor for extra mileage. Not only are there more models available each year, New York State currently has the Drive Clean Rebate with is a discount of up \$2,000 at the time of purchase on plug-in electric vehicles. The discount is based on the electric range of each vehicle, and is available for both all electric plug-in vehicles and plug-in hybrid electric vehicles. On top of the New York State rebate, there is a federal tax credit for up to \$7,500 on plug-in electric vehicles also based on the vehicle's electric range.

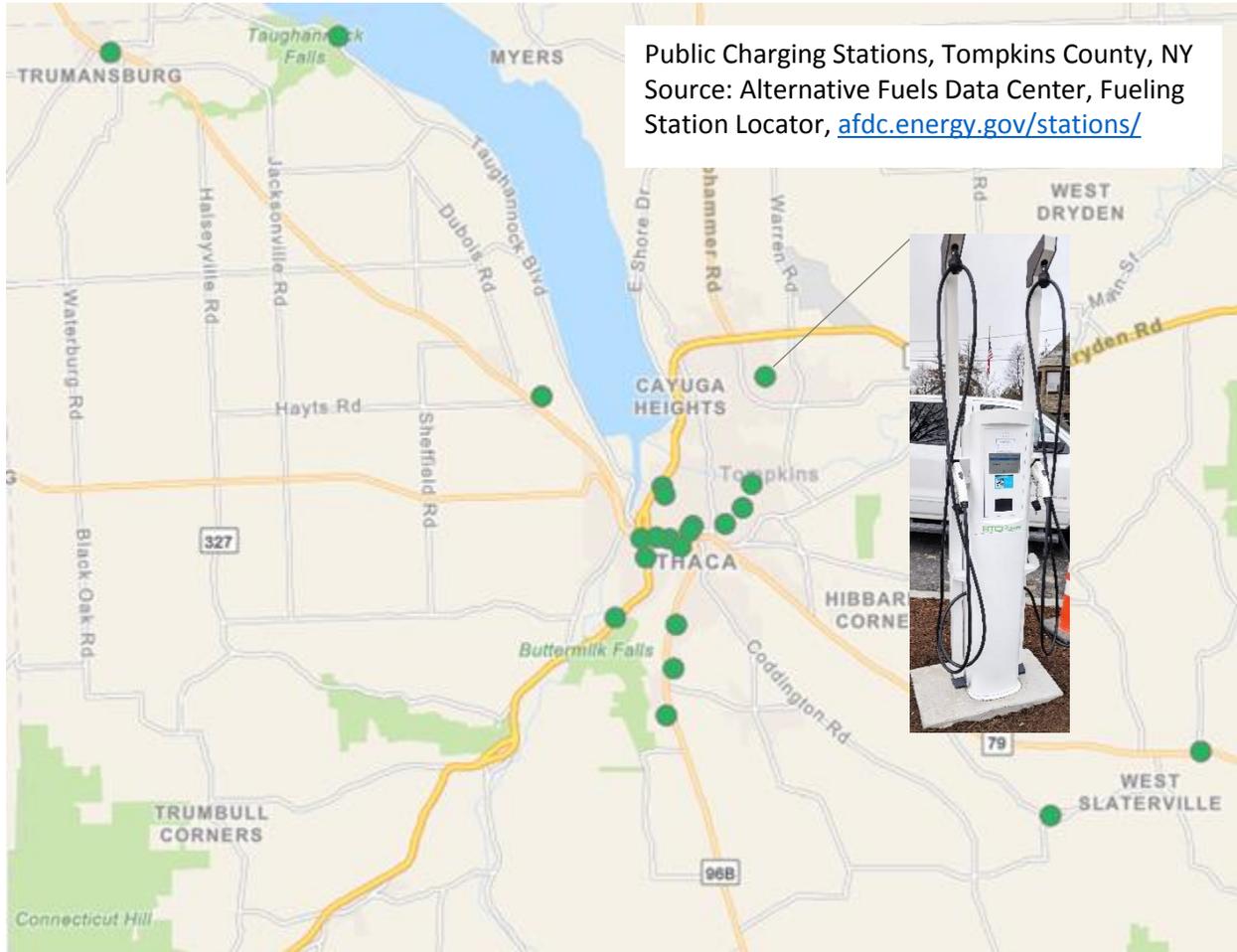
Tompkins County is a great place to own an electric vehicle. There are currently dozens of public electric car charging stations in the county, with more being installed! There are three "levels" of charging electric vehicles:

- AC Level 1, which is the lowest charge level, provides 2 – 5 miles of electric range per hour and is best used as a "trickle charge" for long-term or overnight parking;
- AC Level 2, which is most commonly used for public stations, provides 10 – 20 miles of electric range per hour and is best suited in downtown areas, shopping centers, universities, and other public spaces; and
- DC Fast Chargers, which can fully charging some vehicles in as little as 30 minutes by delivering DC power directly to the battery on board (rather than AC to DC) and help facilitate longer distance travel in EVs.

In Tompkins County, charging stations are located in a variety of public venues in several communities. These chargers allow EV drivers to travel around Ithaca without having to worry about running out of

battery power. In the village of Cayuga Heights, an EV charging station was installed at Marcham Hall where the village offices are located.

Not only are EVs less expensive to operate and have more options available each year, they are easy to



own! Charging at home means you always wake up to a fully charged vehicle, at a fraction of the cost compared to gasoline powered vehicles. EVs also require less maintenance than conventional vehicles like fewer (or no) oil changes and reduced wear on brakes!

Still curious about EVs? Visit EVTompkins.com or their [Facebook](#) page to learn more about this exciting technology. If you'd like more information on the area charging stations and EV options, you can reach out to Victoria McGarril from EVTompkins at vmcgarril@energtics.com.