EMPOWER YOURSELF: How to advocate for EV charging in your community

Mal Skowron
Program & Policy Coordinator
September 16, 2021
Webinar logistics

Everyone is muted to avoid background noise.
Send questions via Q&A box.
This webinar will be recorded and shared afterwards.
Our mission

To harness our power as energy consumers to speed the transition to a low-carbon future.
We Need Climate Action Bigger, Faster, and Sooner to Avoid the Worst Outcomes Outlined in the Latest IPCC Report

By Daniel Bresette

August 12, 2021
Drive Green
Join the electric car revolution.

Learn More  Explore & Shop  Take Action
The value of installing EV charging at apartments and condos
Disclaimer: Apartments and condos come in different sizes, with different decision-making processes and different parking management.

Multi-use office/apartment building with unassigned parking

Apartment building with assigned parking & managed by landlord
EVs are possible for urban dwellers

- Parking on the street doesn’t disqualify you from owning an EV
- Right of way charging
- Destination charging
Charging at home is easy & convenient, but there are other solutions.

“With a quick search on Google Maps, I found that there were already a few charging stations around in town in Northampton: at the fire station, the People’s Bank next door to my gym, and next to Bombay Royale, which is just a five minute walk from my apartment.”
What’s the problem?

Condos often have trouble charging because individual unit-owners share an electrical system.

Apartments often have trouble charging because renters have less leverage and are less likely to invest in installation.
**Education**
What are EVs?

**Consideration**
Why should I engage?

**Planning**
How can we make this work for us?

**Implementation**
What is our action plan to make this happen?
1. Find allies.

- Do other people in your building want charging? Might they consider an EV?
- Talk to your neighbors:
  - Host (or promote) an EVs 101 event
  - Distribute information on a newsletter
  - Survey
- Allies are particularly helpful in condos, where joint decisions must be made.
2. Education

- Present resources and info to the decision-maker
- As a tenant/owner of a unit, you have an “in” to the community. You can make the connection!
Multiple levels of engagement

- Start or join a local EV task force
- Host your own EV training or information session
- Present EV charging plan to building decision-makers

Ask Drive Green to present at a community group meeting
Organize your neighbors interested in EVs

Join the Drive Green Facebook Group
Sign the “My next car will be electric pledge”
Invite 3 friends, family members, or neighbors to EVs 101
From a property manager in RI:

“Our interest [in EV charging] started with the request of a large office tenant who found an incentive program to pay for the stations.”
Incentives to install charging:

**Massachusetts:**

**MassEVIP Multi-unit Dwelling & Educational Campus Charging incentives** - Offered by the MA Department of Environmental Protection to cover 60% of hardware and installation costs to a maximum of $50,000 per street address. Multi-unit dwellings with five or more residential units are eligible.

Learn more: [mass.gov/how-to/apply-for-massevip-multi-unit-dwelling-educational-campus-charging-incentives](mass.gov/how-to/apply-for-massevip-multi-unit-dwelling-educational-campus-charging-incentives)

**Utility Make Ready** - Programs offered by electric utilities that cover 100% of the cost of infrastructure upgrades for charging station installation. Incentives are available for multi-unit dwellings, workplaces, publicly-accessible parking spots, public transit stations, and other sectors. Your property must be in a utility’s service territory to be eligible.

National Grid: Learn more at [nationalgridus.com/MA-Business/Energy-Saving-Programs/Electric-Vehicle-Charging-Station-Program](nationalgridus.com/MA-Business/Energy-Saving-Programs/Electric-Vehicle-Charging-Station-Program)

Eversource: Learn more at [eversource.com/content/ema-c/residential/save-money-energy/explore-alternatives/electric-vehicles/charging-stations](eversource.com/content/ema-c/residential/save-money-energy/explore-alternatives/electric-vehicles/charging-stations)

**Alternative Fuel Infrastructure Tax Credit** - Fueling equipment installed before December 31, 2021 is eligible for a tax credit of 30% of the cost, not to exceed $30,000.

Learn more: [https://afdc.energy.gov/laws/10513](https://afdc.energy.gov/laws/10513)
3. Create a Plan.

Questions that may arise:
- Who pays for the cost of installation?
- Who’s responsible for moving the project along?
- How to install charging if there are assigned parking spots?

An experienced EV charging vendor or a charging program manager at your utility company can help answer these questions.

Our guide can help you start to identify possible solutions for your site.
What charging equipment is best for my property?

**LEVEL 1**
Best in parking spaces where vehicles dwell for 8+ hours. Recharges 4 miles of driving range per hour plugged in. Least expensive to install and operate.
- Budget-friendly
- Accessible anywhere there’s an outlet
- Good for buildings with assigned parking spots

**LEVEL 2**
Best where vehicles dwell for 1-8+ hours. Recharges 11-24 miles of driving range per hour plugged in, depending on the vehicle model. Best "bang for your buck" in terms of enabling EV adoption at moderate cost.
- More attractive to tenants
- Faster charging speed allows more sharing capability
- Good for large buildings with many tenants charging

**Non-Networked**
- Cheaper equipment
- No advanced features (cannot support billing)
- Good for smaller buildings with limited charging demand

**Networked**
- Needs wi-fi connection
- Enables advanced management (data collection, billing)
- Can scale up to support more usage in a community with many tenants
Eversource’s Preferred Vendor List

<table>
<thead>
<tr>
<th>Installers</th>
<th>Name</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Advanced Energy</td>
<td>James Quinn</td>
<td>413-526-9955</td>
</tr>
<tr>
<td>AETNA</td>
<td>Christopher Angelou</td>
<td>617-513-7153</td>
</tr>
<tr>
<td>Commonwealth Electrical</td>
<td>John Duquette</td>
<td>508-421-6600</td>
</tr>
<tr>
<td>DK Power</td>
<td>David Glaude</td>
<td>904-613-9363</td>
</tr>
<tr>
<td>EV Launchpad</td>
<td>James Penfold</td>
<td>603-828-2919</td>
</tr>
<tr>
<td>Horizon Energy</td>
<td>Tony Parente</td>
<td>401-265-1284</td>
</tr>
<tr>
<td>Northern Energy</td>
<td>Donald Robinson</td>
<td>508-393-7500</td>
</tr>
<tr>
<td>Revision Energy</td>
<td>Barry Woods</td>
<td>978-308-9041</td>
</tr>
<tr>
<td>RISE</td>
<td>Ralph Carroccio</td>
<td>800-422-5365 x6113</td>
</tr>
<tr>
<td>Universal Electric</td>
<td>Michael Quinn</td>
<td>413-788-9473</td>
</tr>
<tr>
<td>Votrek</td>
<td>Kathleen Connors</td>
<td>978-378-0910</td>
</tr>
<tr>
<td>World Energy Efficiency Services</td>
<td>Michael Santangelo</td>
<td>860-716-5232</td>
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4. Find the “trigger”

- If shared cost is the issue, then the trigger can be availability of incentives. (More utility support coming in 2022 for Massachusetts!)
- If EV ownership interest is the issue, the trigger can be creating a group of people who are voicing support for the project to install charging.
- If expensive installation is the issue, then the trigger can be repaving the parking lot or other construction work that would coincide with the opportunity to install EVSE.

- Bottom line: if you have a plan, and EVSE is on the radar, then you can respond to an opportunity quickly.
FAQs
For large developments (~100+ cars), does anyone offer assistance in designing/envisioning EVSE for lots of vehicles simultaneously? What would that look like?
It seems EV tech is evolving rapidly and dramatically. In regard to "long term planning", how future-proof do you think today's implementation is? And for that matter, is today's implementation likely to be considerable over-kill for the future?
I serve on the board of a 65-unit, 15-building townhouse condo, with all owner-occupied units with a single assigned garage spot, plus a single outside unassigned spot per unit. All underground service. Help!
Aside from installation expense, is it possible to meter electricity use so each resident can pay their share of electricity costs?
Resources:

- Guide to installing EV charging at apartments and condos
- Recording: “The value of installing EV charging”
- One pager – Electric cars are coming. What apartment and condo managers need to know
- Guide to installing EV charging at home
- Your utility company – National Grid & Eversource have incentives available
- Massachusetts EVIP incentives
National Drive Electric Week: Sept. 25 – Oct. 3

**SEPTEMBER**

26 Sunday

DRIVE GREEN @ THE PARK
11:00 AM
We are kicking off National Drive Electric Week in Rhode Island with Drive Green in the Park. Meet us Goddard Park in Warwick to celebrate cleaning the grid with electric transportation!

27 Monday

ELECTRIC VEHICLES 101 WEBINAR
7:00 PM
Curious about getting an electric vehicle (EV), but not sure where to start? Join us for our popular Electric Vehicles 101 webinar to learn the basics! We’ll cover environmental and consumer benefits, information about batteries and more!

28 Tuesday

WOMEN AND EVS WEBINAR
7:00 PM
We’re spotlighting women in the electric vehicle community! This is a chance for people who are underrepresented in the industry to talk about their experience making the switch to an EV. Come to hear their stories and join the conversation!

29 Wednesday

CHARGING WEBINAR
7:00 PM
Join this hour-long webinar presented by Drive Green to learn everything you need to know about EV charging so that you feel ready and confident to make your next car electric. There will be plenty of time to ask questions.

**OCTOBER**

09 Monday

VISIT A WIND FARM
11:00 AM
Join Green Energy Consumers to learn, visit, and even go inside and explore one of 9 wind turbines at the RDE Farm in Coventry, RI. Hear the story of the wind farm’s history and technology, plus how our Green Powered program supports a part of the farm.
Questions?

Mal Skowron
Program & Policy Coordinator
mal@greenenergyconsumers.org