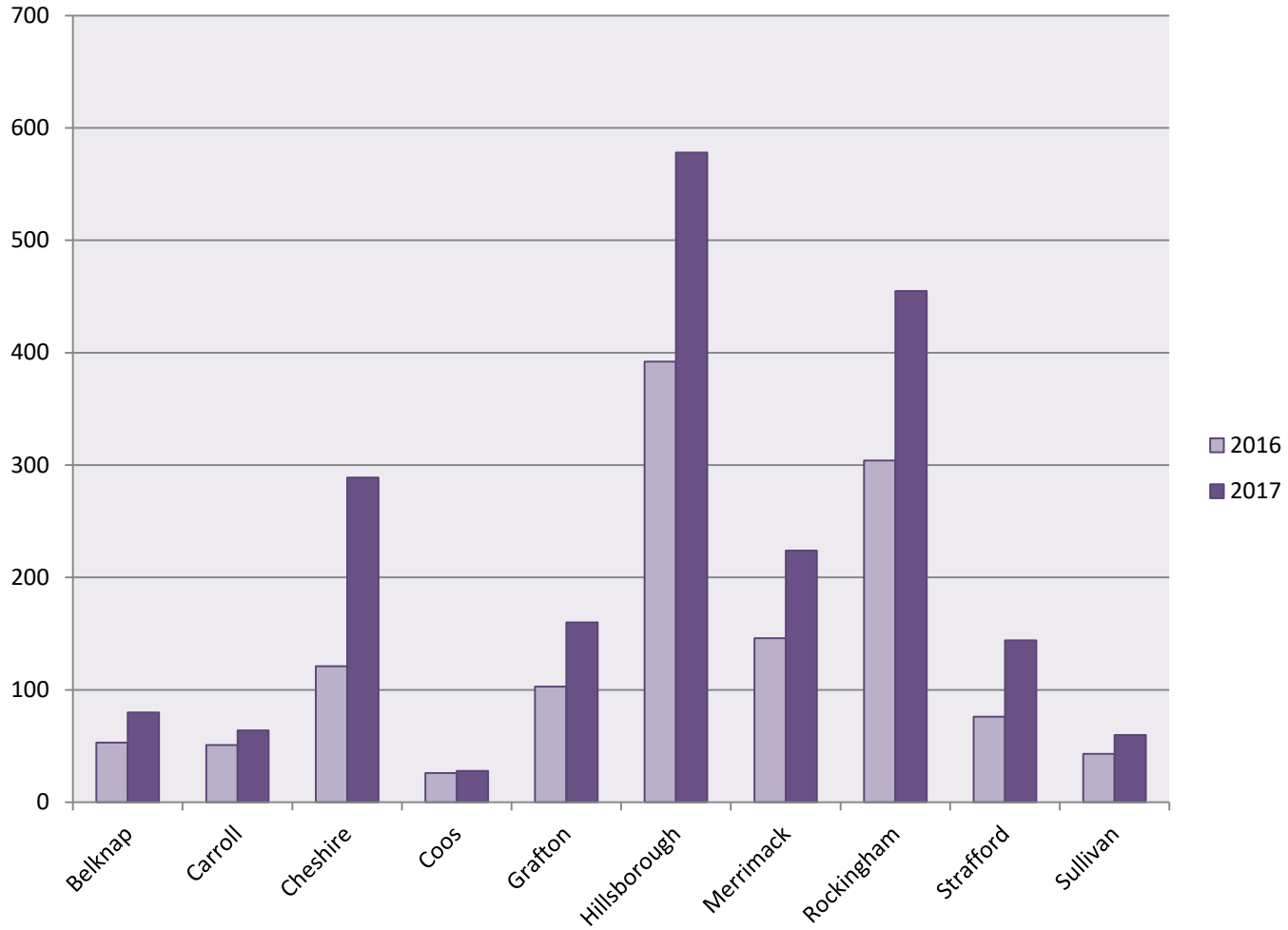


The Future of EV Charging in NH Towns



Total Registered Electric Vehicles by County



2007

\$1000/kW-h

2017

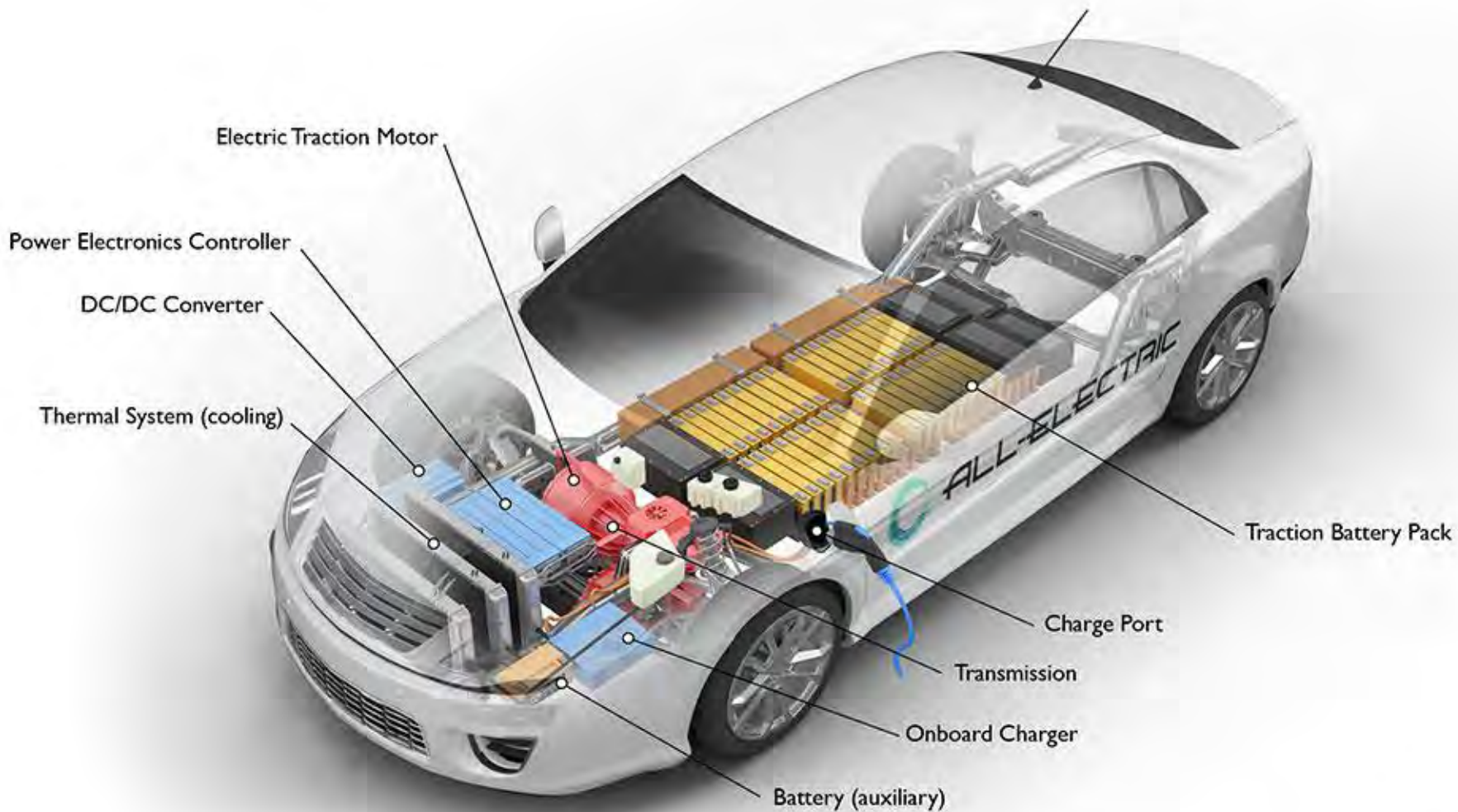
< \$200/kW-h

Decrease in battery price

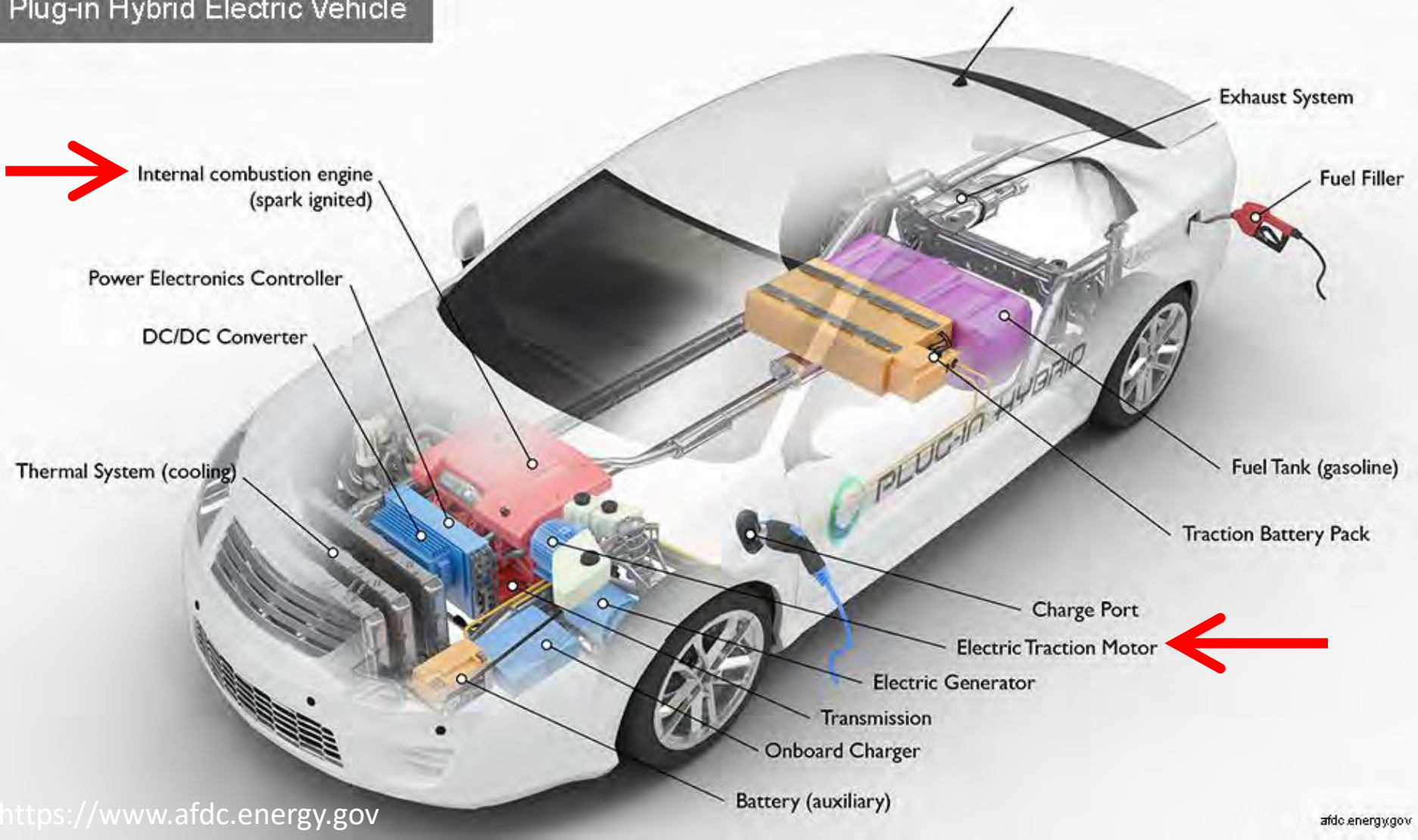
+ Increase in miles per charge

= Convenient and Affordable

All-Electric Vehicle



Plug-in Hybrid Electric Vehicle



15-25 miles just on electric

Over 50 miles per gallon

Conventional engine for longer trips

Level 1 Charging



Level 1 Charging - Standard House Outlet

2-5 miles/hour of charging,
or 22 hours for full charge

Types of charging stations

Level 2 Charging



ChargePoint/Coulomb Level 2 Charging Station

10-20 miles/hour of charging
Cost: \$1,000 - \$20,000

60-80 miles/hour of charging
Cost: \$25,000 - > \$100,000

DC Fast Charging



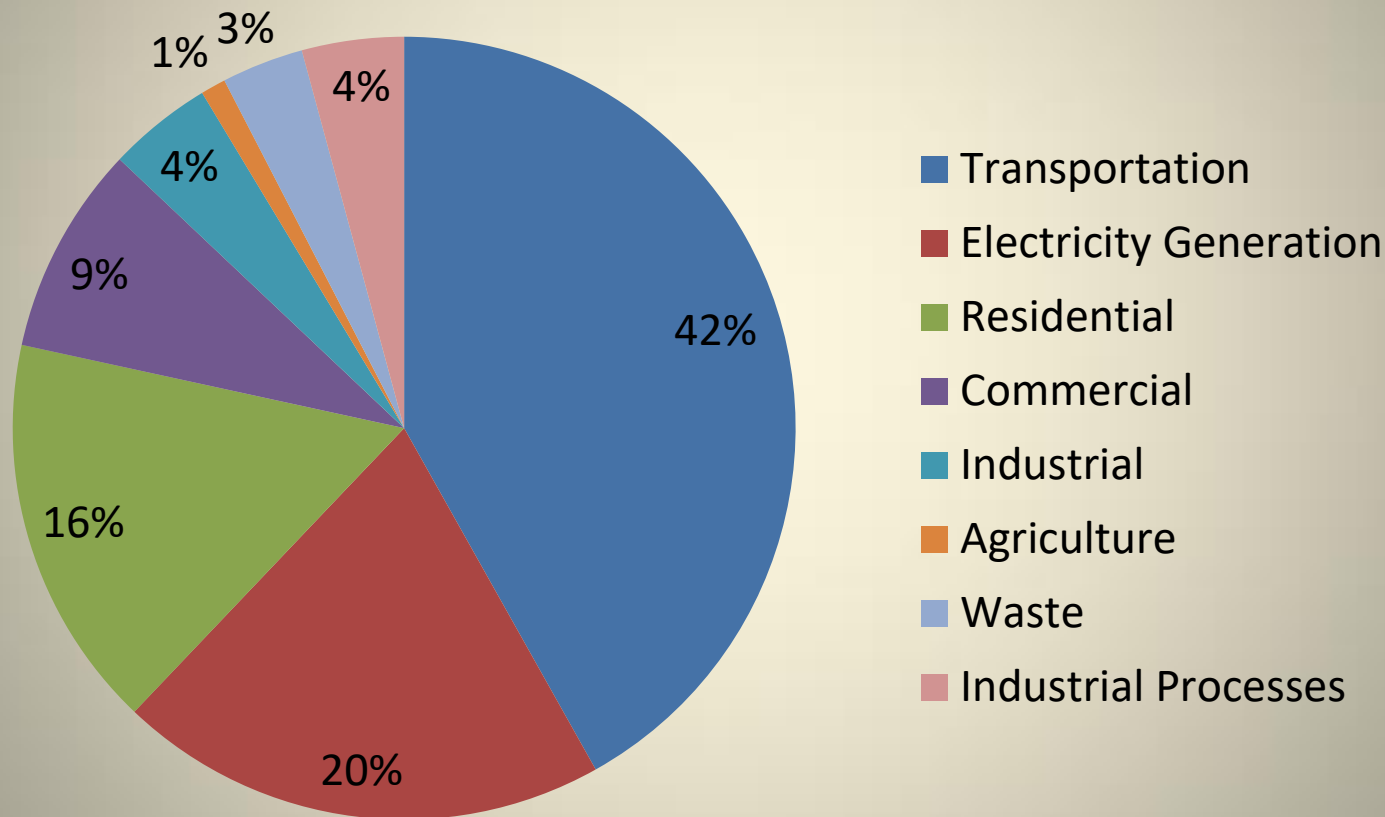
Blink DC Fast Charge Station
photo by ECOTality

How to Charge for Charging?



NH Sources of Greenhouse Gas Emissions

2015 GHG By Sector



Source: 2015 NH GHG Emissions Inventory (DRAFT)

Automakers are Listening!



Mercedes-Benz



TOYOTA

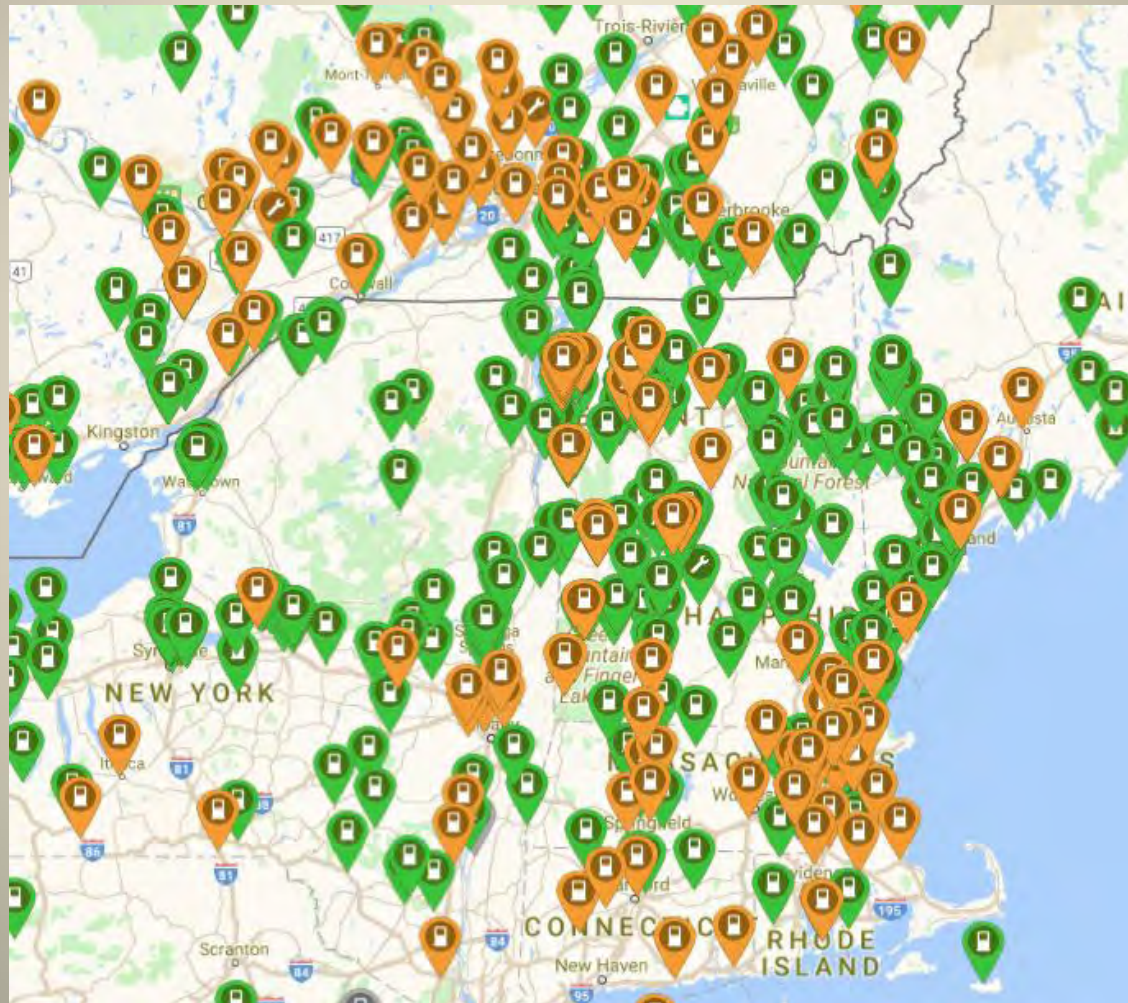


LEXUS

VOLVO

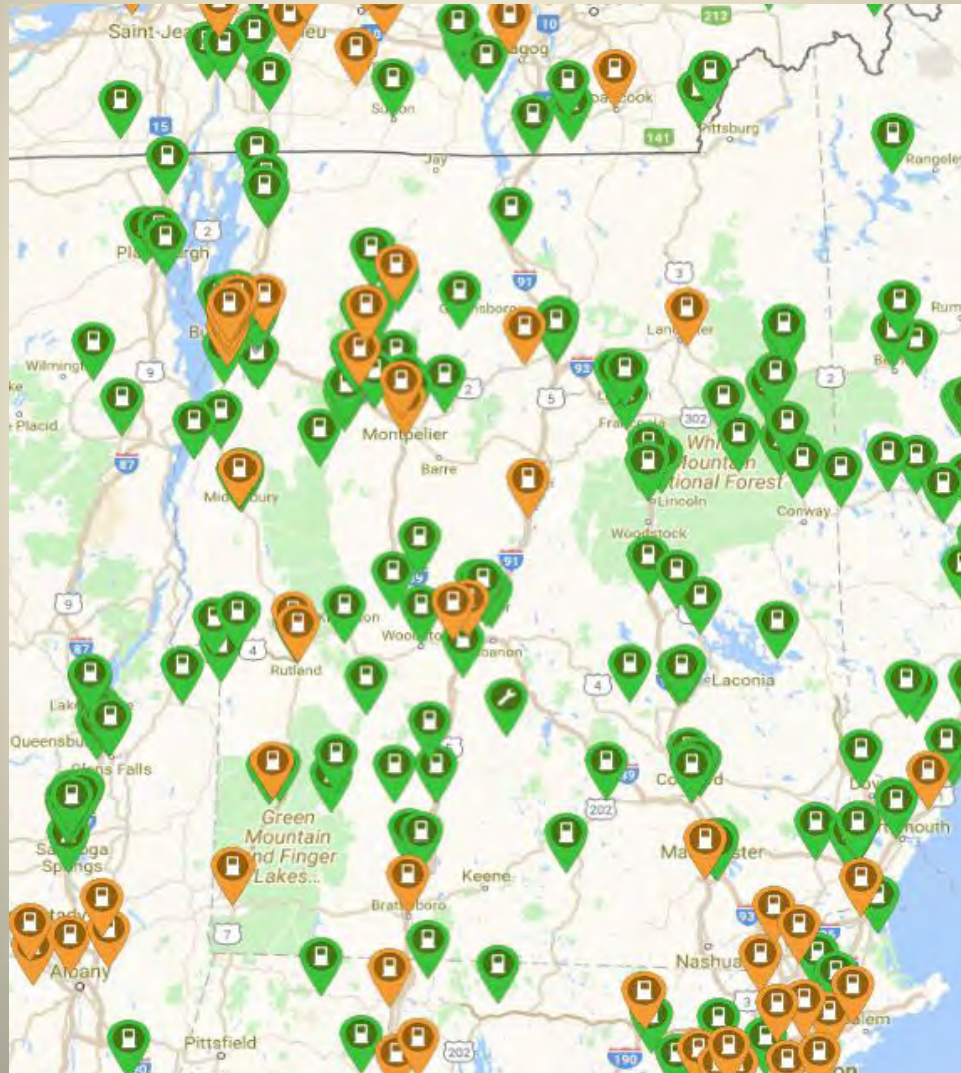
EV Infrastructure in New England

Level 2 in **Green** DC Fast in **Brown**
Does not include Tesla



EV Infrastructure in New Hampshire

Level 2 in **Green** DC Fast in **Brown**
Does not include Tesla





Municipal Fleets



Parking Lots and Garages



School Districts

Workplace Charging



Promote EVs in the planning processes!

**Parking
incentives/tax
credits**

**Zoning/Building
Codes**



Encourage Builders to Invest



Installation of electric conduits is easier and less expensive during initial construction

Become an EV Hotspot



Pettee Brook Municipal Parking Lot

In 2 Years: 61 drivers from 44 zip codes



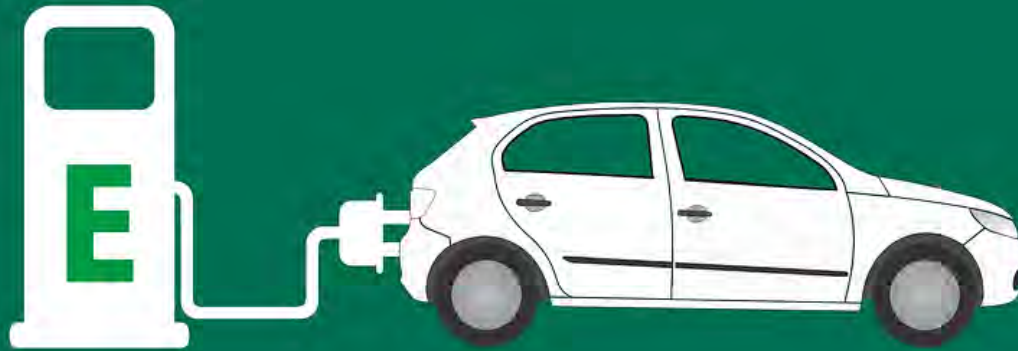
Hanover Parking Garage ~70% increase in usage!



New Hampshire Department of Environmental Services leads by example!



Next



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Greetings!

It was a pleasure to talk to you on February 22nd about readying your communities for the Electric Vehicle (EV) future – thank you for your interest!

As promised, below are a few resources for your reference:

- [Creating EV-Ready Towns and Cities: A Guide to Planning and Policy Tools](#)
- [Siting and Design Guidelines for Electric Vehicle Supply Equipment](#)
- [Plug-In Electric Vehicle Handbook for Electrical Contractors](#)
- [Electric Vehicle Charger Selection Guide](#)
- [EV Smart Fleets: Fleet Procurement Analysis Tool](#)

Also,

- [Granite State Clean Cities Coalition](#)
- [U.S. Department of Energy: Clean Cities](#)

Please feel free to reach out if you have any questions or thoughts – I look forward to connecting with you!

Sincerely,

Jessica

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