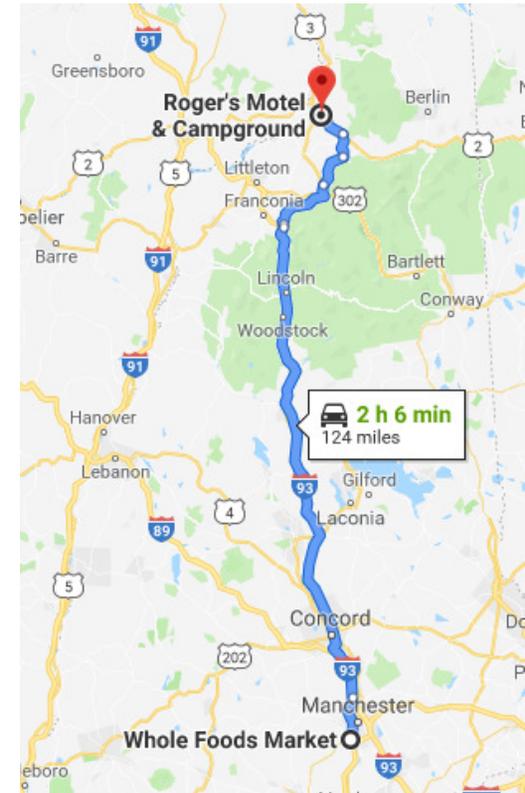
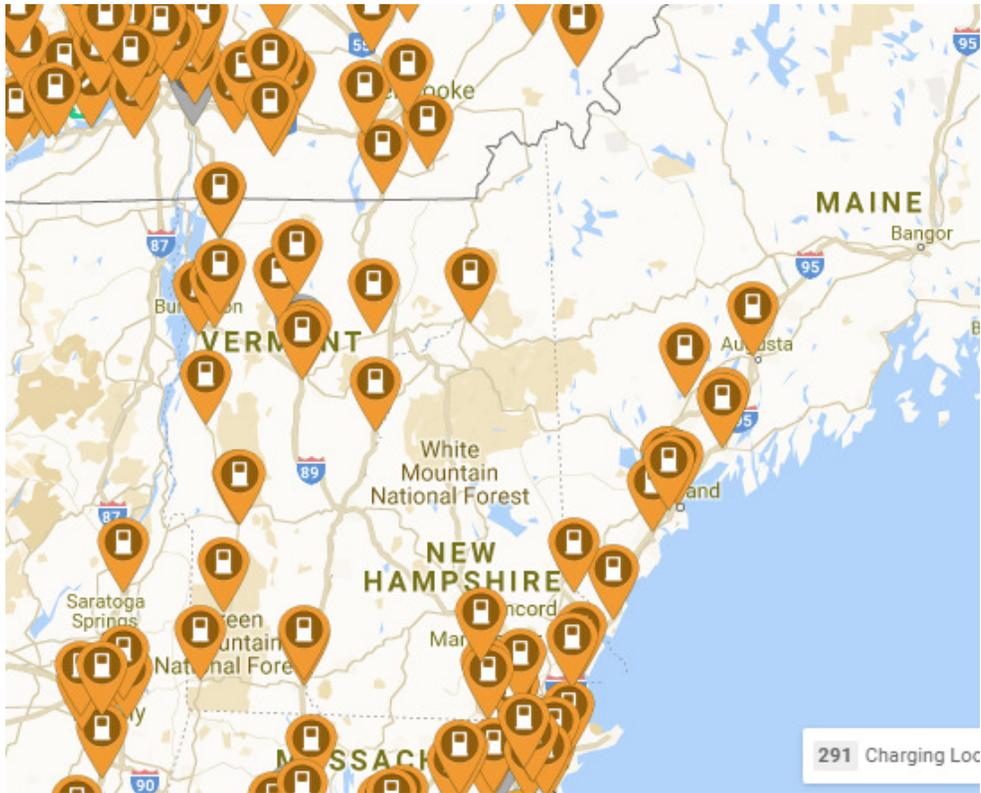


# Statewide Strategic Plan to Improve EV Infrastructure





124 miles... considering weather and elevation?

Could be challenging for a 200-mile EV depending on season

↑ 5,052 ft · ↓ 4,075 ft



# TASK 1: Task 1: Facilitate visioning, goal setting, and development of detailed strategies for NH

## Stakeholder Outreach

- Existing and potential site hosts
  - Trade associations
  - Utilities
  - Installers
  - Charging Network Operators
  - Fleet Operators
  - OEMs
  - State and local officials
  - Non-governmental organizations
- 
- 34 Responses as of 5/22 (not including the driver surveys)
  - Additional tailored interviews

Where are EV chargers most needed?

How can the permitting and installation process be improved?

What can the State do?

What can utilities do?

What requirements should be imposed on the EVSE?

# Survey Links

Utilities: <https://www.surveymonkey.com/r/LK7P9Q7>

Charging Network Operators: <https://www.surveymonkey.com/r/L8NTS5F>

Installers: <https://www.surveymonkey.com/r/L8LLHSD>

Site Hosts: <https://www.surveymonkey.com/r/L8QHNQ9>

Drivers: <https://www.surveymonkey.com/r/ZB8V55D>

Fleet Operators: <https://www.surveymonkey.com/r/L9DD2WZ>

# TASK 2: RESEARCH ADOPTION RATE TRENDS AND FORECASTS

Characterize EV adoption nationwide:

- Passenger cars
- Freight vehicles
- Transit and school buses

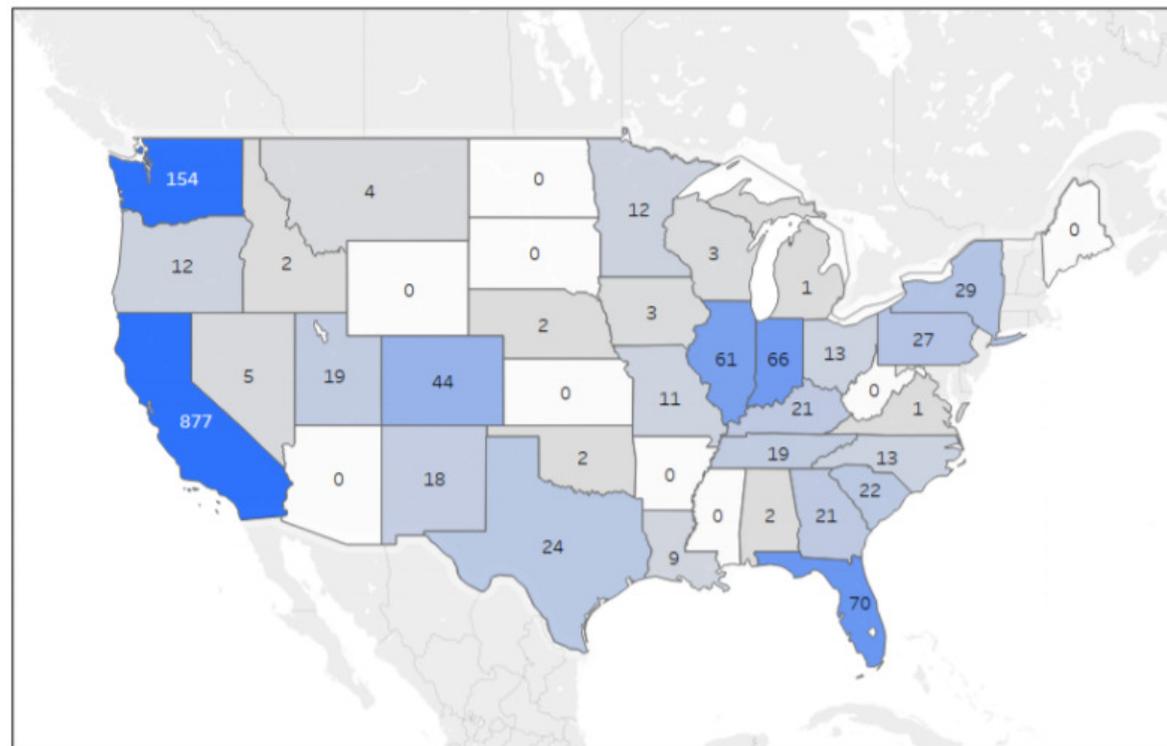
Identify trends that most effectively spur EV adoption:

- Policies (adopting ZEV regulations);
- Incentive programs (e.g., EV rebate / voucher programs)
- Utility investment programs and/or innovative EV rates

Review leading forecasts (e.g., Bloomberg New Energy Finance) and determine how NH can do its part to stay ahead of the curve

**Battery and Fuel Cell Electric Transit Buses Currently Deployed, On Order, or Soon To Be On Order Within the United States of America**

Last Updated: August 17, 2018



# TASK 3: RESEARCH DRIVER CHARGING NEEDS

Q5 Where would additional charging enable you to do significantly more travel in electric mode?

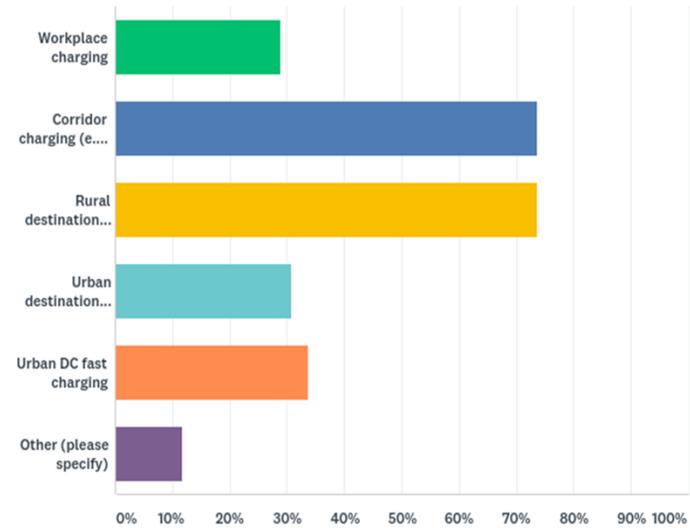
How do EV charging needs differ from gasoline fueling infrastructure needs?

Driver behavior, frequency of charging events, duration of charging events, etc.

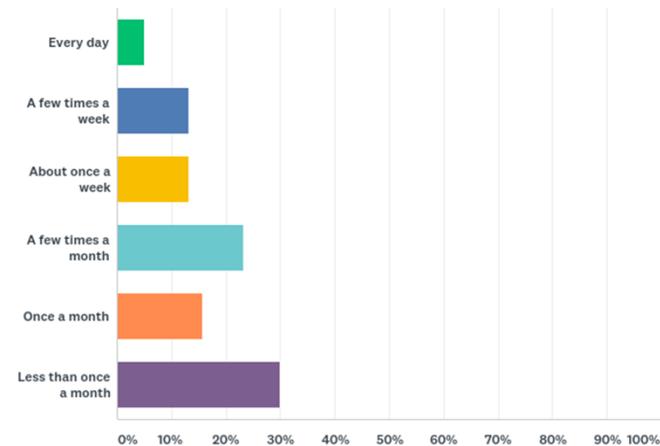
Spending during charging sessions (e.g. at rest areas or downtowns)

Survey of Plug In America members and also NHEC EV owners

185 responses as of 5/22



Q6 How often do you use public charging?



## TASK 4: IDENTIFY CHARGING AND ANTICIPATE NEEDS



- Address how the state can do more to maximize the availability of privately-funded charging
- Address charging issues for:
  - Residential
  - Workplace
  - Destination and Tourism
  - Commercial Use
- Leverage the great work already done in the state to analyze charging

# TASK 5: DEVELOP A EV STATEWIDE STRATEGIC PLAN

Based on the research:

- 1) Current state of transportation electrification
- 2) Opportunities and challenges
- 3) Create an action plan

