

# NEW HAMPSHIRE'S ALTERNATIVE FUEL CORRIDORS



Submitted by NH Department of Environmental  
Services & Granite State Clean Cities Coalition with  
support from NH Department of Transportation



# NH FY16 ALTERNATIVE FUEL CORRIDORS

- Interstate 93 – EV Corridor Ready
- Interstate 95 – EV Corridor Ready
- Interstate 89 – EV Corridor Pending



# NH FY18 NOMINATION

\*\*\*Nine Corridors Nominated\*\*\*

Nomination included:

Electric (EV)

Propane (LPG)

Compressed Natural Gas (CNG)

# INTERSTATE 93

- LPG Pending – I-89 in Concord to VT State Line
- ✓ LPG Ready – MA State Line to I-89 in Concord

Stations: ⚡

Cyr Lumber - Windham, NH

\* Avedisian East Earth Supplies – Methuen, MA

- CNG Pending – I-89 in Concord to VT State Line
- ✓ CNG Ready – MA State Line to I-89 in Concord

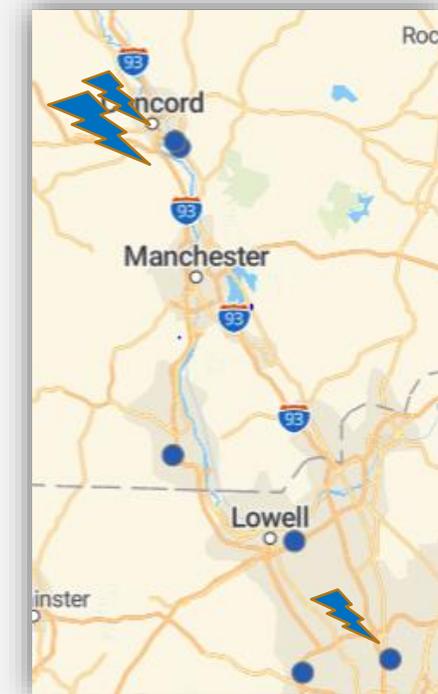
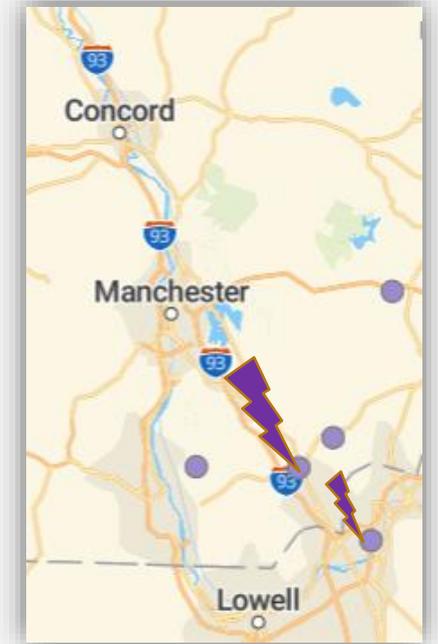
Stations: ⚡

Clean Energy – Pembroke, NH

AVSG – Concord, NH

\* AVSG – Stoneham, MA

\* Importance of collaboration across borders!



# F.E. EVERETT TURNPIKE

✓ EV Ready – MA State Line to I-293 in Bedford

DCFC Stations: ⚡

Whole Foods – Bedford, NH

Pheasant Lane Mall – Nashua, NH

✓ CNG Ready – MA State Line to I-89 in Concord

Stations: ⚡

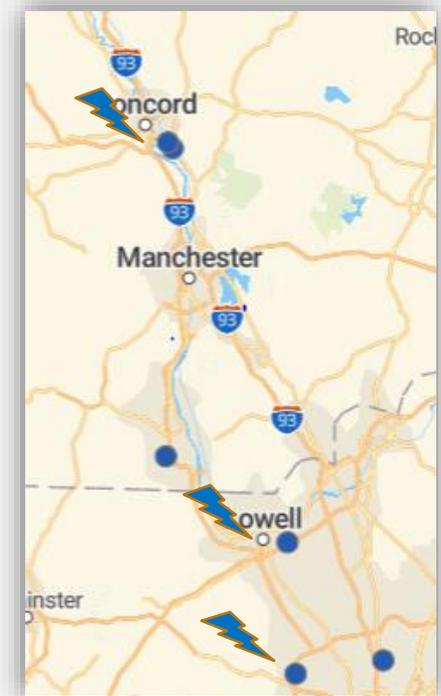
AVSG – Concord, NH

AVSG – Nashua, NH

\* AVSG – Lexington, MA

\* Importance of collaboration across borders!

(DCFC stands for Direct Current Fast Charging)



## SPAULDING TURNPIKE/NH 16

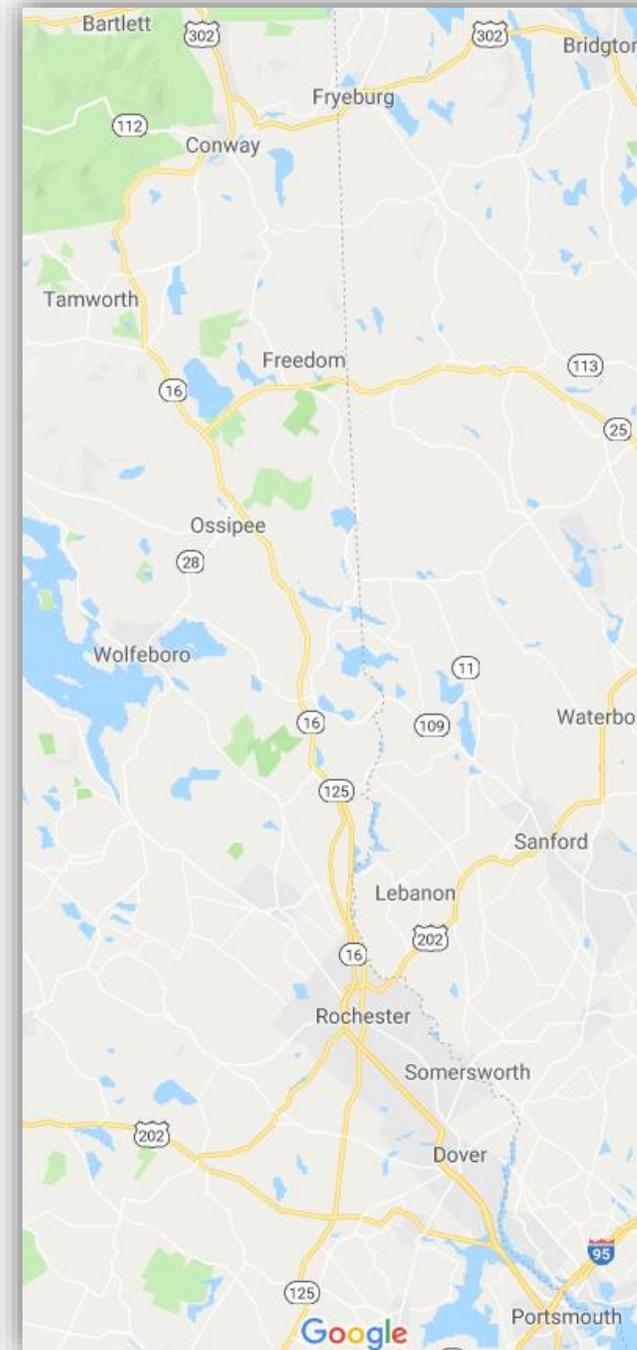
- EV Pending – I-95 in Portsmouth to ME State Line

DCFC Stations:



\*Hannaford Supermarket – York, ME  
(Approx. 8.5 miles from start of corridor)

\* Importance of collaboration across borders!

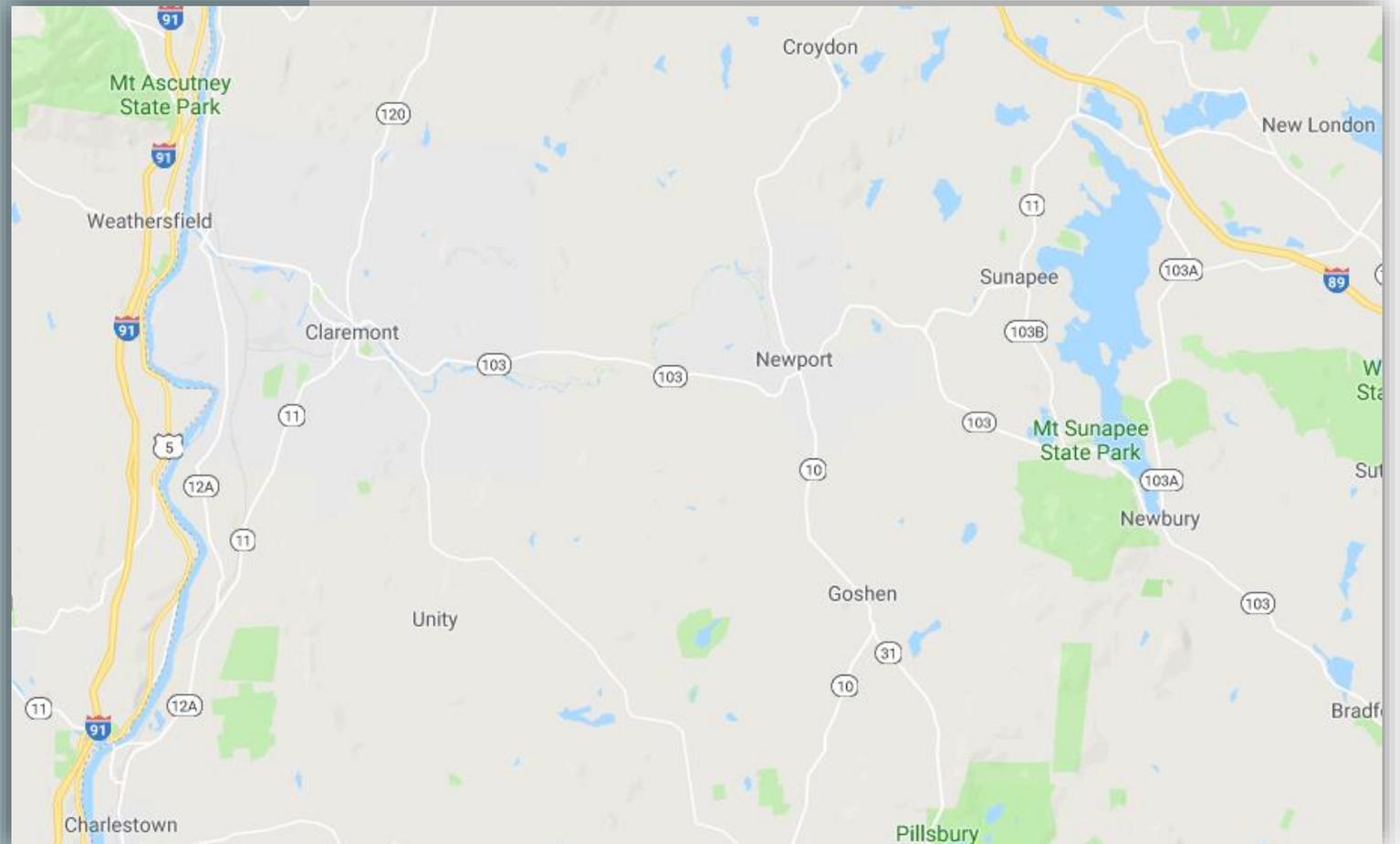


# NH II

- EV Pending – I-89 to VT State Line

DCFC Stations:

\*\*\*None\*\*\*



# NH 101

○ EV Pending – I-95 in Hampton to NH 9 in Keene

DCFC Stations: ⚡

Whole Foods – Bedford, NH

\* High-Grove Parking Lot, East – Brattleboro, VT



\* Importance of collaboration across borders!

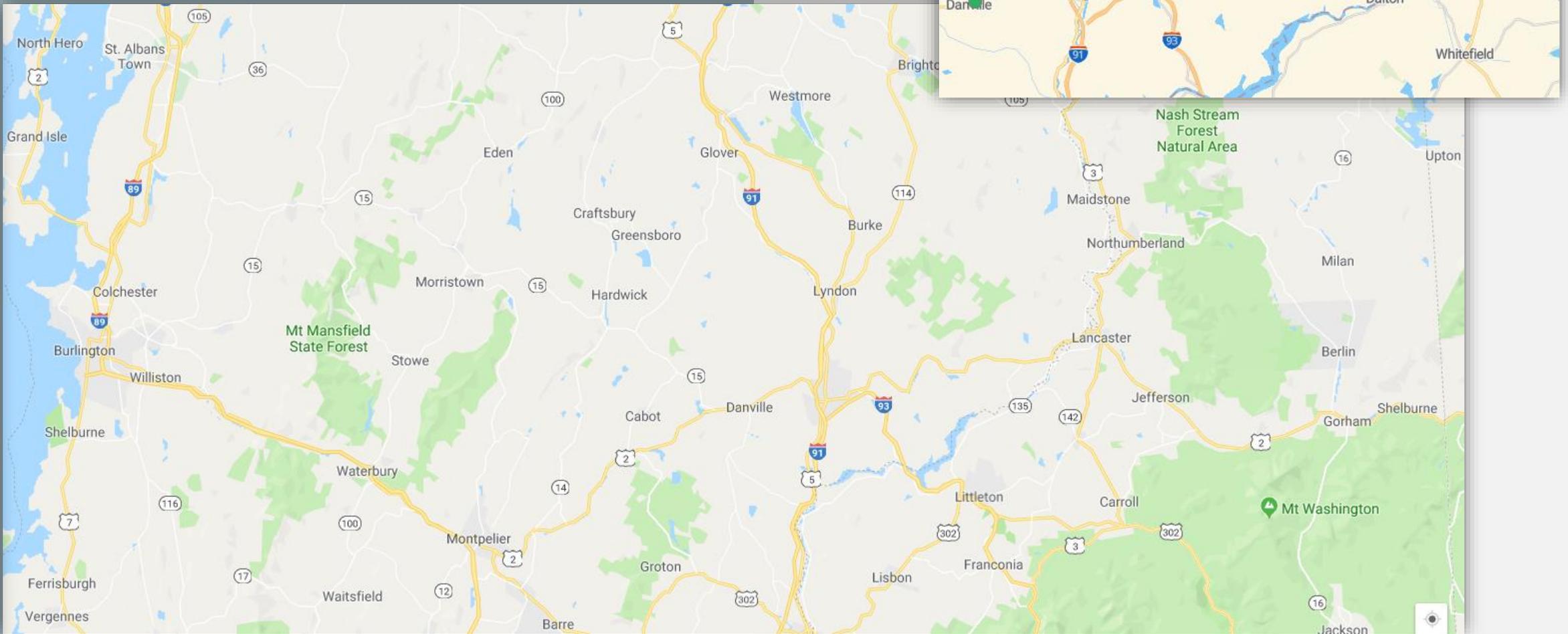


# US 2

- EV Pending – Lancaster to ME State Line
- ✓ EV Ready – VT State Line to Lancaster

## DCFC Stations: ⚡

- Greenlots – Lancaster, NH
- \* Marty's First Stop – Danville, VT



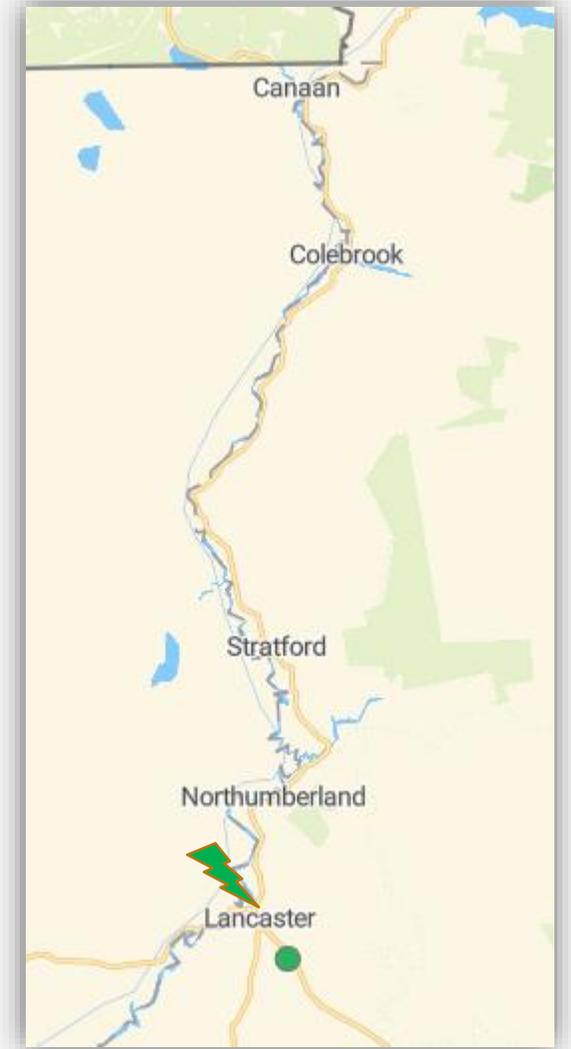
# US 3

- EV Pending – US 2 to the Canadian Border

DCFC Stations:



Greenlots – Lancaster, NH



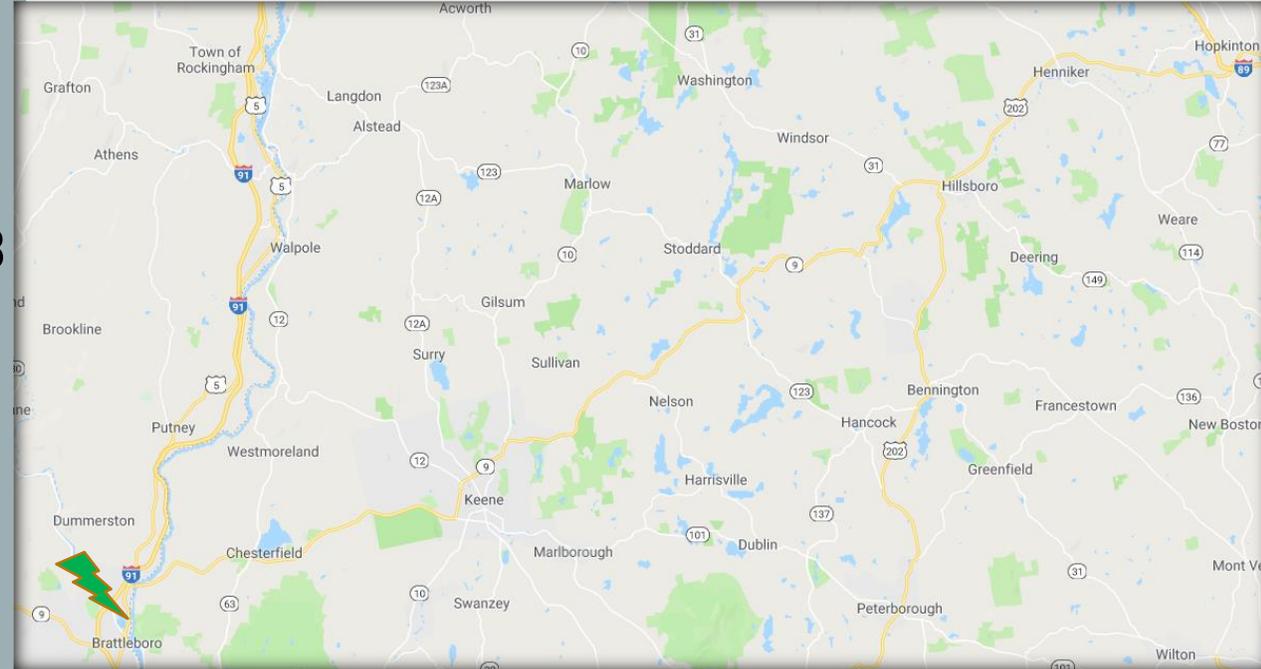
## US 4/NH 9

- EV Pending – US 4 from NH 16 in Dover to I-393 in Concord
- EV Pending – NH 9 from I-89 in Hopkinton to the VT State Line

DCFC Stations: ⚡

\*High-Grove Parking Lot, East – Brattleboro, VT

\* Importance of collaboration across borders!

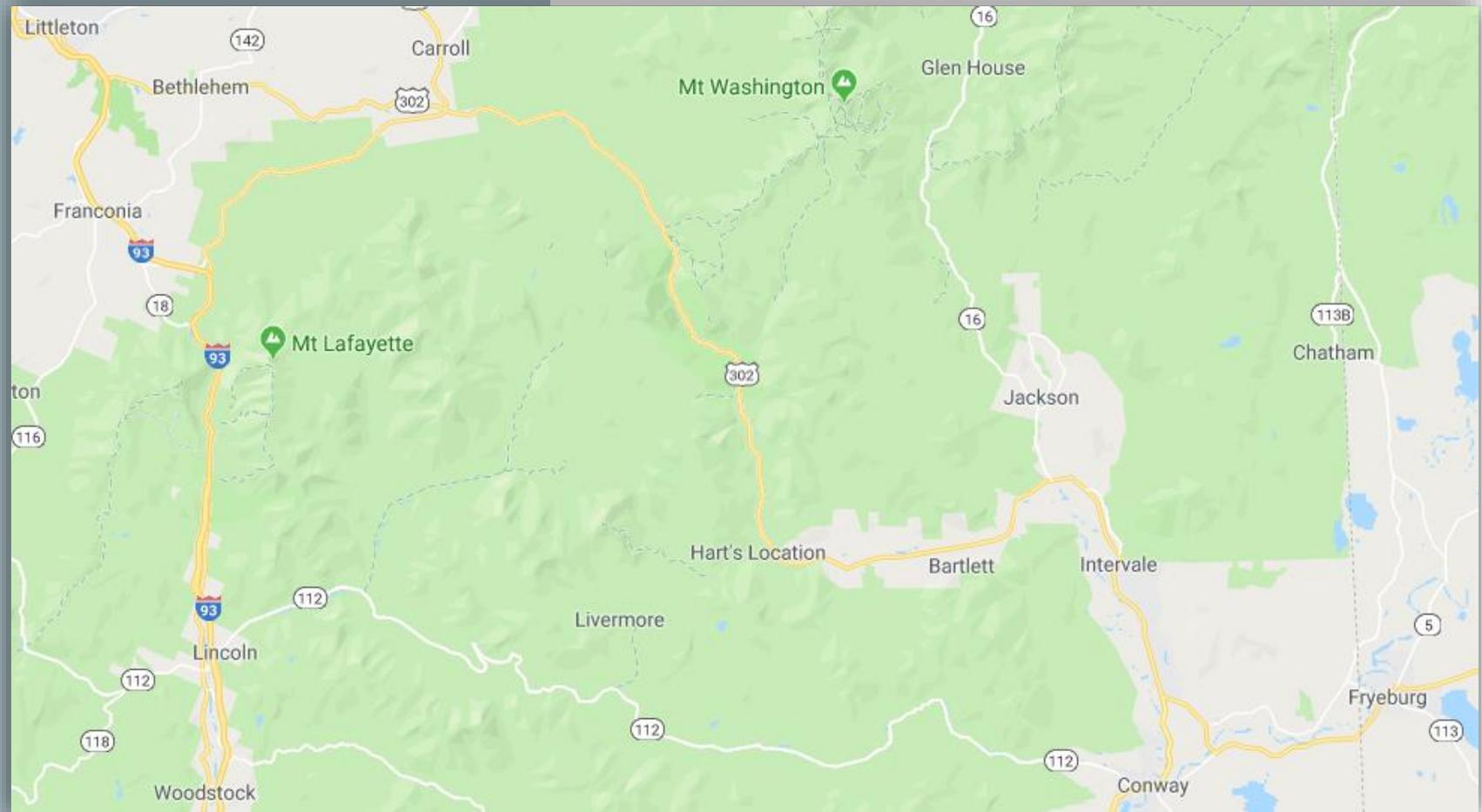


# US 302

- EV Pending – I-93 to ME State Line

DCFC Stations:

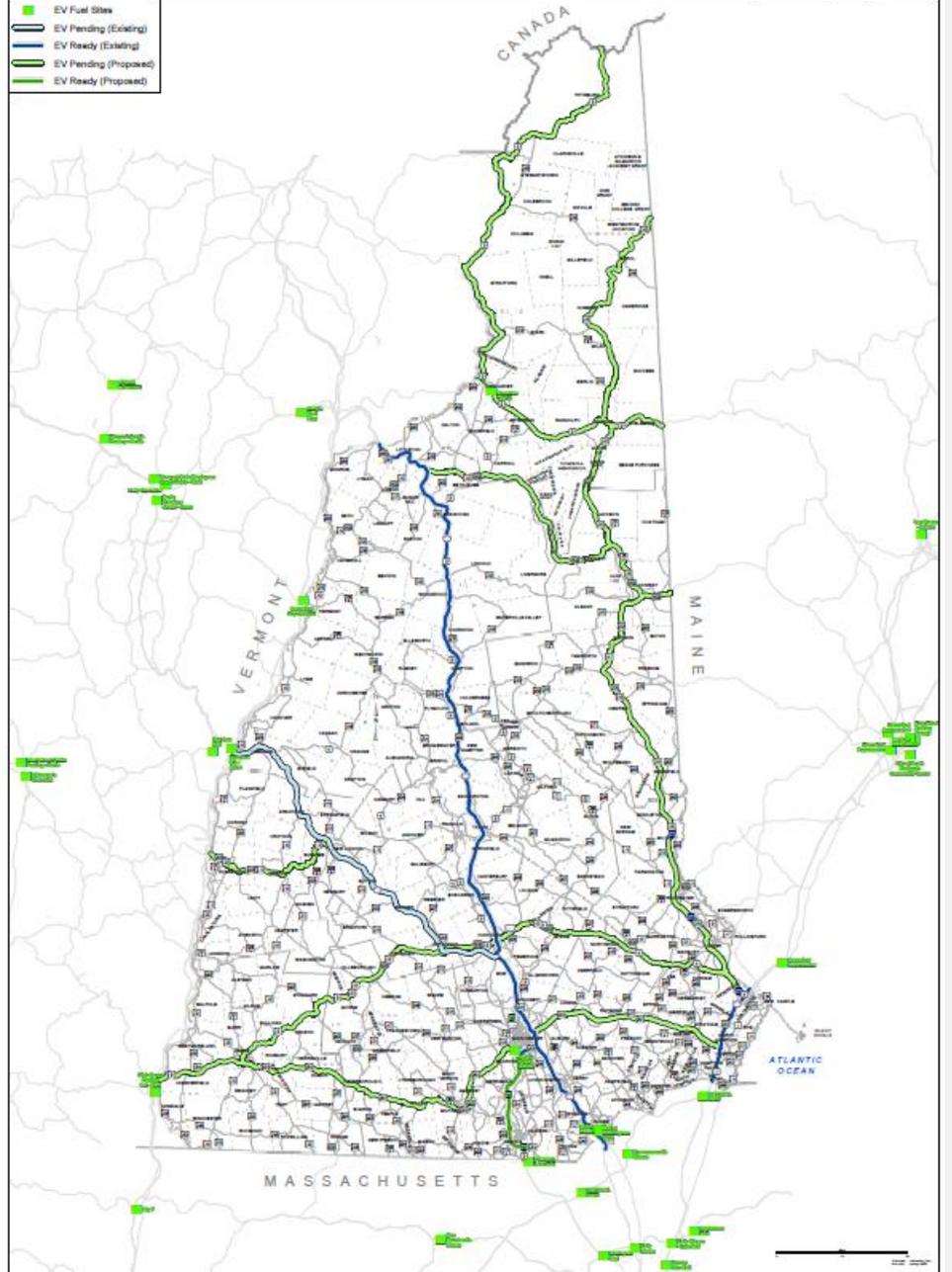
\*\*\*None\*\*\*



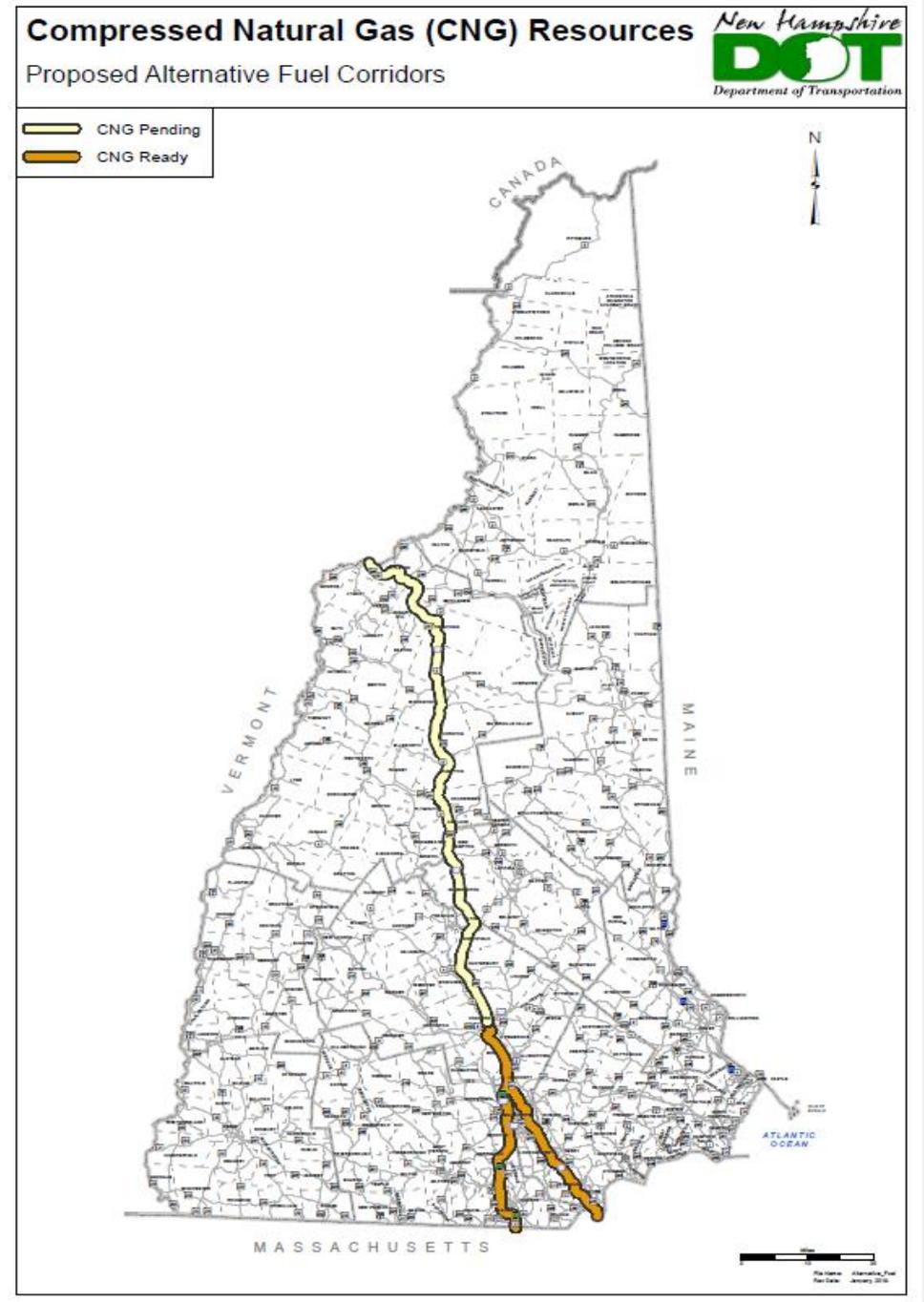
# EV CORRIDORS

## Electric Vehicle (EV) Resources

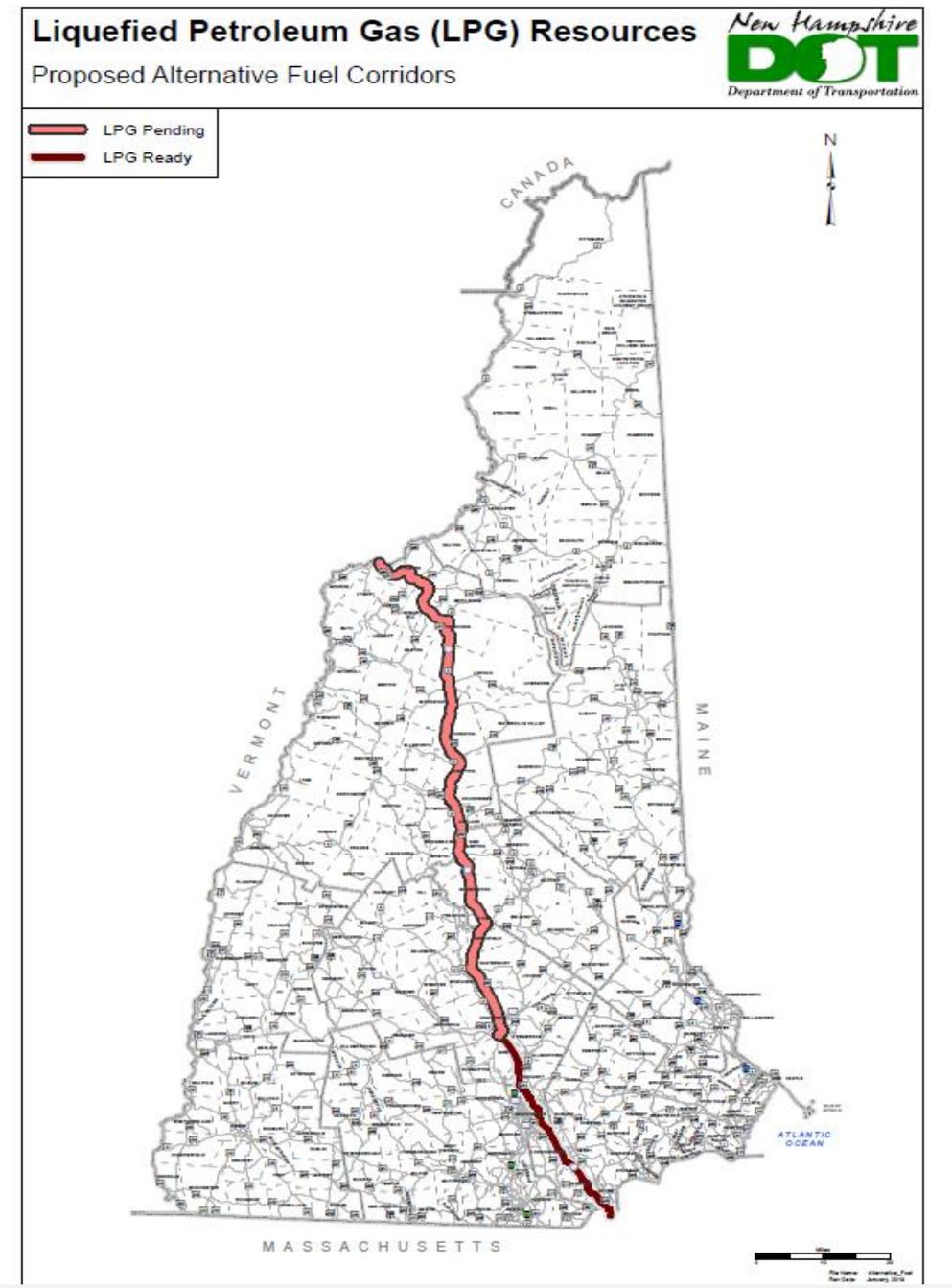
Existing & Proposed Corridors & Fuel Sites



# CNG CORRIDORS

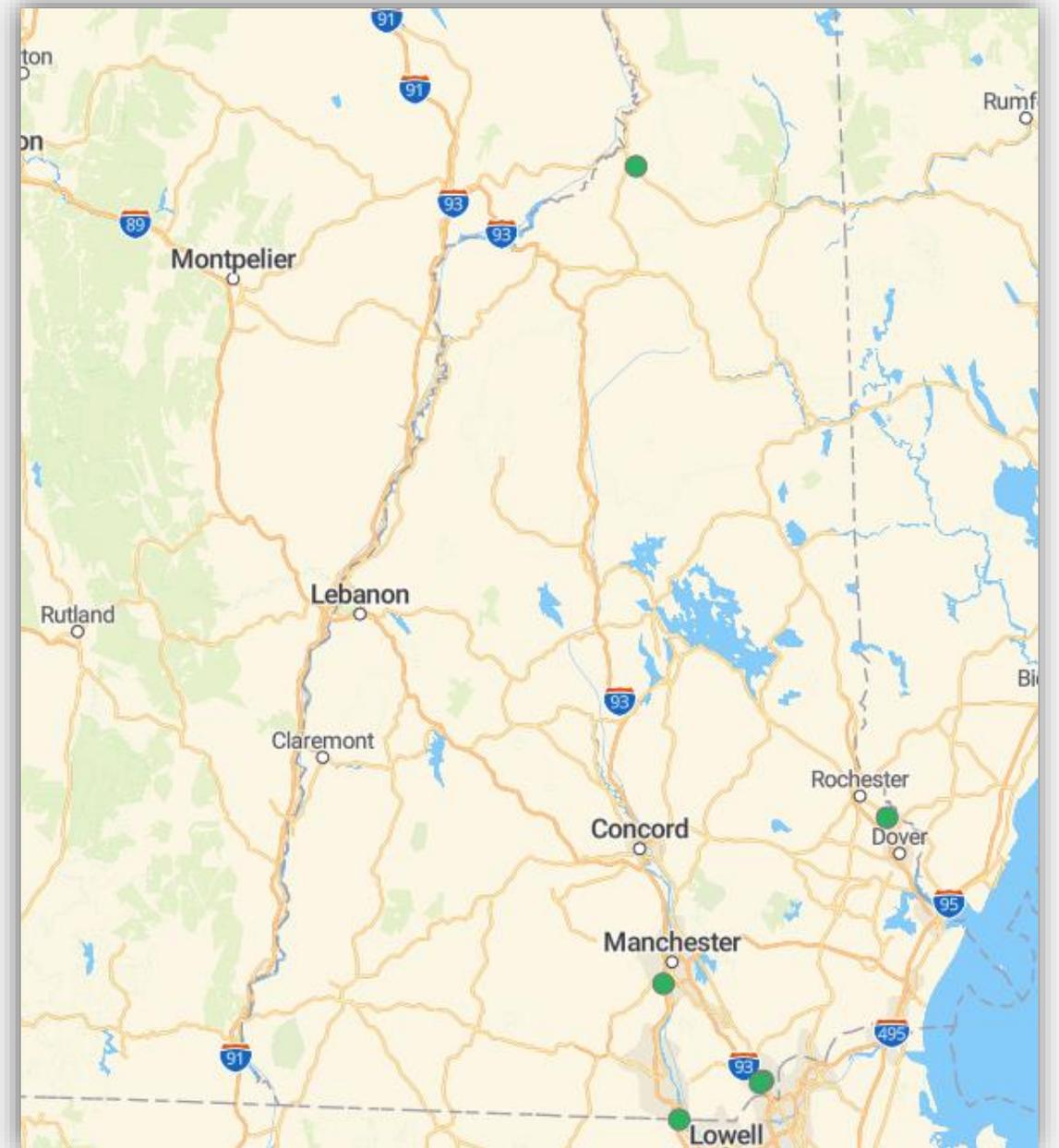


# LPG CORRIDORS



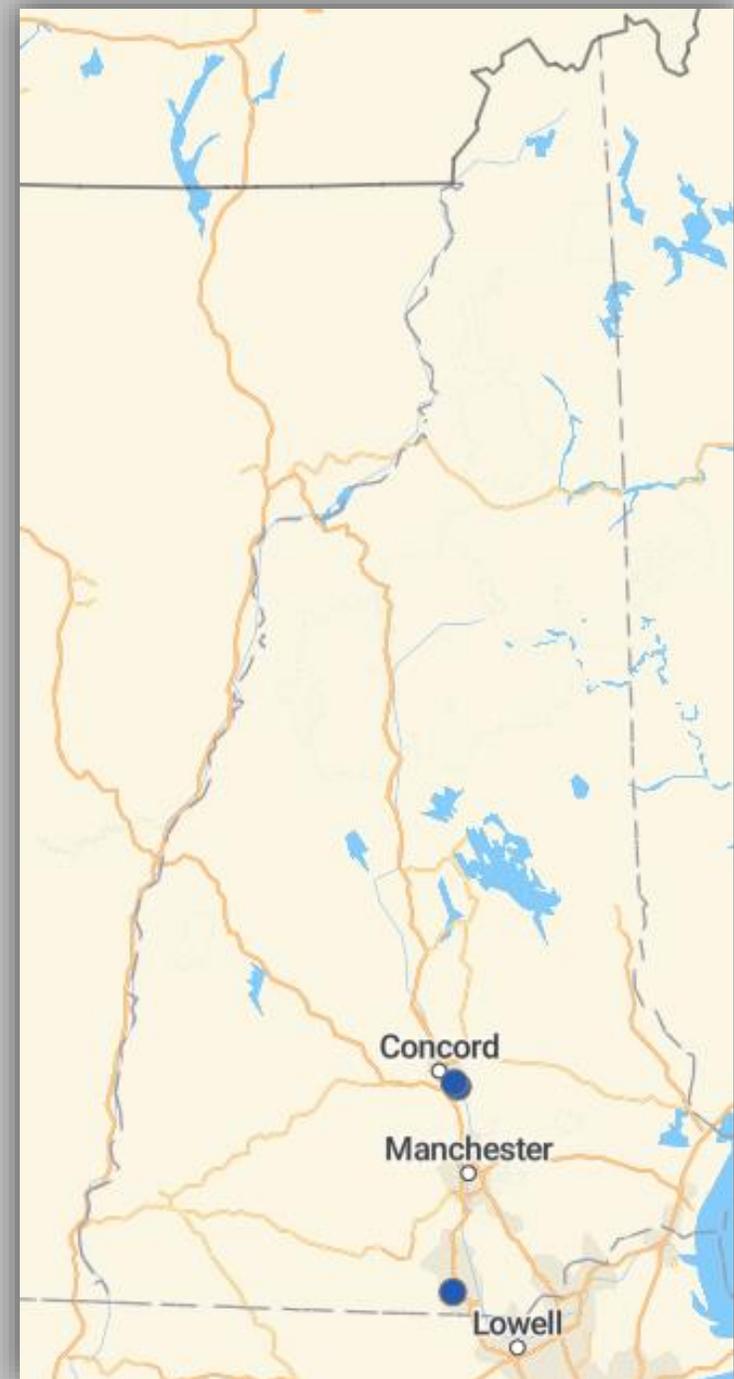
## 6 DCFC STATIONS

1. Salem Nissan – Salem, NH – 1 Port
2. Whole Foods Market – Bedford, NH – 2 Ports
3. Pheasant Lane mall – Nashua, NH – 4 Ports
4. Mall at Rockingham Park – Salem, NH – 4 Ports
5. Greenlots – Lancaster, NH – 2 Ports
6. Hilltop Chevrolet – Somersworth, NH – 1 Port



## 3 CNG STATIONS

1. AVSG - Nashua, NH – 2 Dispensers
2. Clean Energy – Pembroke, NH – 2 Dispensers
3. AVSG - Concord, NH – 1 Dispenser



## 8 LPG STATIONS

1. Proulx Oil & Propane – Newmarket, NH
2. Palmer Gas & Oil – Atkinson, NH
3. Clark's Car Care – Hudson, NH
4. Rte. 125 RV & Marine – Gonic, NH
5. Taylor Trading Post – Madbury, NH
6. Great Bay Camping – Newfield, NH
7. Proulx Oil & Propane – Epping, NH
8. Cyr Lumber – Windham, NH



# INFRASTRUCTURE RESOURCES

The screenshot shows the homepage of the Alternative Fuel Toolkit. At the top, the logo reads "Alternative Fuel TOOLKIT" with a blue toolbox icon. Below the logo is a navigation bar with dropdown menus for "Learn", "Plan", "Act", "Workshop Toolkits", and "Regional Convenings", along with a search icon. A green notification banner states: "WE'VE ADDED MATERIALS FROM THE SOUTH CENTRAL ALTERNATIVE FUEL CORRIDOR CONVENING." Below the banner, a paragraph explains the toolkit's purpose: "The Alternative Fuel Toolkit can help you **learn** about alternative fuels and vehicles; **plan** your infrastructure and funding; and **act** using the AFV Action Guide, facilitation materials, and other resources. Resources were developed in conjunction with a set of national workshops and reflect the latest stakeholder-input and research." At the bottom, three main sections are highlighted: "Learn" (with a magnifying glass icon) for exploring fundamentals, "Plan" (with a gear icon) for exploring tools and funding, and "Act" (with a car icon) for taking action on deployment.

## Alternative Fuel Toolkit

\*\*\*education, funding, planning\*\*\*

<http://altfueltoolkit.org/>

## EVSE RESOURCES

For more information on these resources, contact [Jessica.Wilcox@des.nh.gov](mailto:Jessica.Wilcox@des.nh.gov)

Granite State Clean Cities Coalition can access and/or connect you with ...

- Senate Bill 517, EV Charging Station Infrastructure Commission
- EV Strategic Plan
- GCC EV Corridor Analysis Tool
- MJBA EV Infrastructure Location ID Tool & Visualization Map
- EV Siting & Design Guidelines
- EV Charger Selection Guide
- EVI-Pro Lite – Estimator EVSE Needs for Cities/States
- Costs Associated with Non-Residential EVSE
- Plug-In Electric Vehicle Handbooks for multiple audiences (e.g. Electrical Contractors, Site Hosts, etc.)

## LPG RESOURCES

For more information on these resources, contact [Jessica.Wilcox@des.nh.gov](mailto:Jessica.Wilcox@des.nh.gov)

Granite State Clean Cities Coalition can access and/or connect you with

...

- Propane Education & Research Council
- Propane Gas Association of New England
- 2017 Propane Market Outlook: Current Market Conditions and the Outlook through 2025
- Case Studies
- Laws & Incentives

## CNG RESOURCES

For more information on these resources, contact [Jessica.Wilcox@des.nh.gov](mailto:Jessica.Wilcox@des.nh.gov)

Granite State Clean Cities Coalition can access and/or connect you with

...

- NGV America
- NGV Training
- CNG VICE Model – Evaluate ROI
- CNG Vehicle Maintenance Facility Modification Handbook
- Case Studies
- Laws & Incentives

# SIGNAGE

- ✓ Collaborating with NHDOT to develop updated generic motorist services signage package guidelines for the corridors
- ✓ Attending FHWA Fuel Corridor Convening to discuss regional plans for corridor signage



Interested in corridor planning resources?

Contact:

[Jessica.Wilcox@des.nh.gov](mailto:Jessica.Wilcox@des.nh.gov)

# VOLKSWAGEN FUNDING OPPORTUNITIES

- ❖ RFP: Propane/CNG School Bus Replacement Program
  - Utilizing \$750,000 of VW Settlement Funding
    - \*\*\*Proposals Due Friday, July 13<sup>th</sup> by 4PM\*\*\*
- ❖ RFP: Electric School Bus Replacement Program
  - Utilizing \$1,250,000 of VW Settlement Funding
    - \*\*\*Proposals Due Friday, July 26<sup>th</sup> by 4PM\*\*\*



For more details, applications and FAQs visit:

<https://www.nh.gov/osi/energy/programs/vw-trust-funding.htm>