

Alternative Fuel Corridors

NORTHEAST/MID-ATLANTIC AFC CONVENING

JULY 10, 2019

PROVIDENCE, RI

DIANE TURCHETTA | U.S. DEPARTMENT OF TRANSPORTATION

National Alternative Fuel Corridors



To improve the mobility of alternative fuel vehicles, the U.S. Department of Transportation (DOT) has designated national corridors in strategic locations along major highways for:

- Plug-in electric vehicle charging
- Hydrogen fueling
- Propane (LPG) fueling
- Natural gas (CNG, LNG) fueling

Benefits of a National System

ALTERNATIVE FUELS CORRIDOR

- Allows for inter-city, regional, and national travel using clean-burning fuels
- Addresses range anxiety
- Integrates with existing transportation planning processes
- Accelerates public interest and awareness of alternative fuel availability

Corridor-Ready Criteria

EV	CNG	LNG	Hydrogen	Propane
DCFC only	150 miles between stations	200 miles between stations	100 miles between stations	150 miles between stations
50 miles between stations	5 miles from highway			5 miles from highway
5 miles from highway	Public stations only	5 miles from highway	5 miles from highway	Public stations only
Public stations only (no Tesla)	Fast fill, 3,600 psi	Public stations only	Public stations only	Primary stations only

Combined Results

Rounds 1-3

- Designations....
 - **79** nominations
 - Includes portions/segments of **100** Interstates, along with **76** US highways/state roads
 - Comprise **46 states plus D.C.**
 - Covers **over 135,000** miles of the National Highway System (all fuels combined)



Federal Highway Administration Regional Alternative Fuel Corridor Convenings

3 Regional Convenings to Date

- Team to hold 5 regional convenings:
 - To Date: Midwest (MN), Southeast (SC), South Central (TX), and **Northeast/Mid-Atlantic (RI)**
 - Next Up: Intermountain (UT)
- Strengthen coordination b/w states, public and private partners
- Evaluate regional priorities & needs, programs, and resources to expand corridors
- Identify critical infrastructure gaps
- Discuss a regional strategy to promote clean vehicle adoption and corridor growth
- Foster partnership development

<http://altfueltoolkit.org/regional-convenings/>

Midwest AFC
St. Paul, MN
June 12, 2018



Southeast AFC
Charleston, SC
September 25, 2018

**South Central
AFC Arlington, TX**
April 9, 2019



Highway Signage

➤ MUTCD Memorandum – Signing for Designated Corridors

- ✓ Provides guidance to State DOTs
- ✓ First corridor signs installed on I-94 and I-26
- ✓ FHWA developed FAQs to address commonly asked questions (see AFC website)

I-94 (Minnesota)



Pictured from left, Louisiana Department of Natural Resources Secretary Tom Harris, Louisiana Department of Transportation and Development (DOTD) Secretary Shawn Wilson, Gov. John Bel Edwards and [#LDEQ](#) Secretary Chuck Carr Brown.



I-26 (South Carolina)

Future of AFC Program

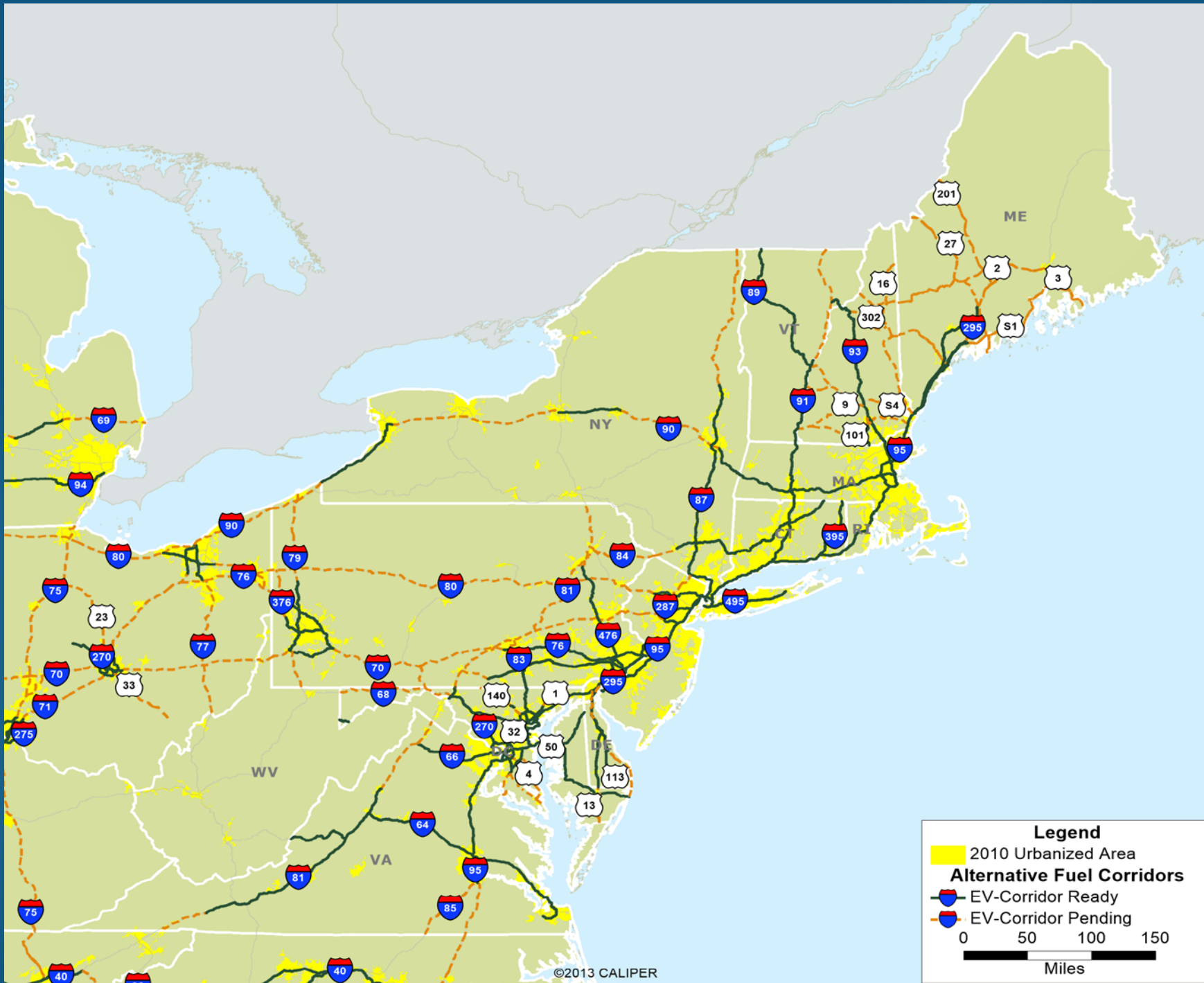
- Request for Nominations on an annual basis under life of FAST Act
- Possible inclusion in the next transportation reauthorization bill or other legislation
- Enhanced coordination efforts with Clean Cities Program/NREL
- Enhanced collaboration with stakeholders including industry



Funding Opportunity



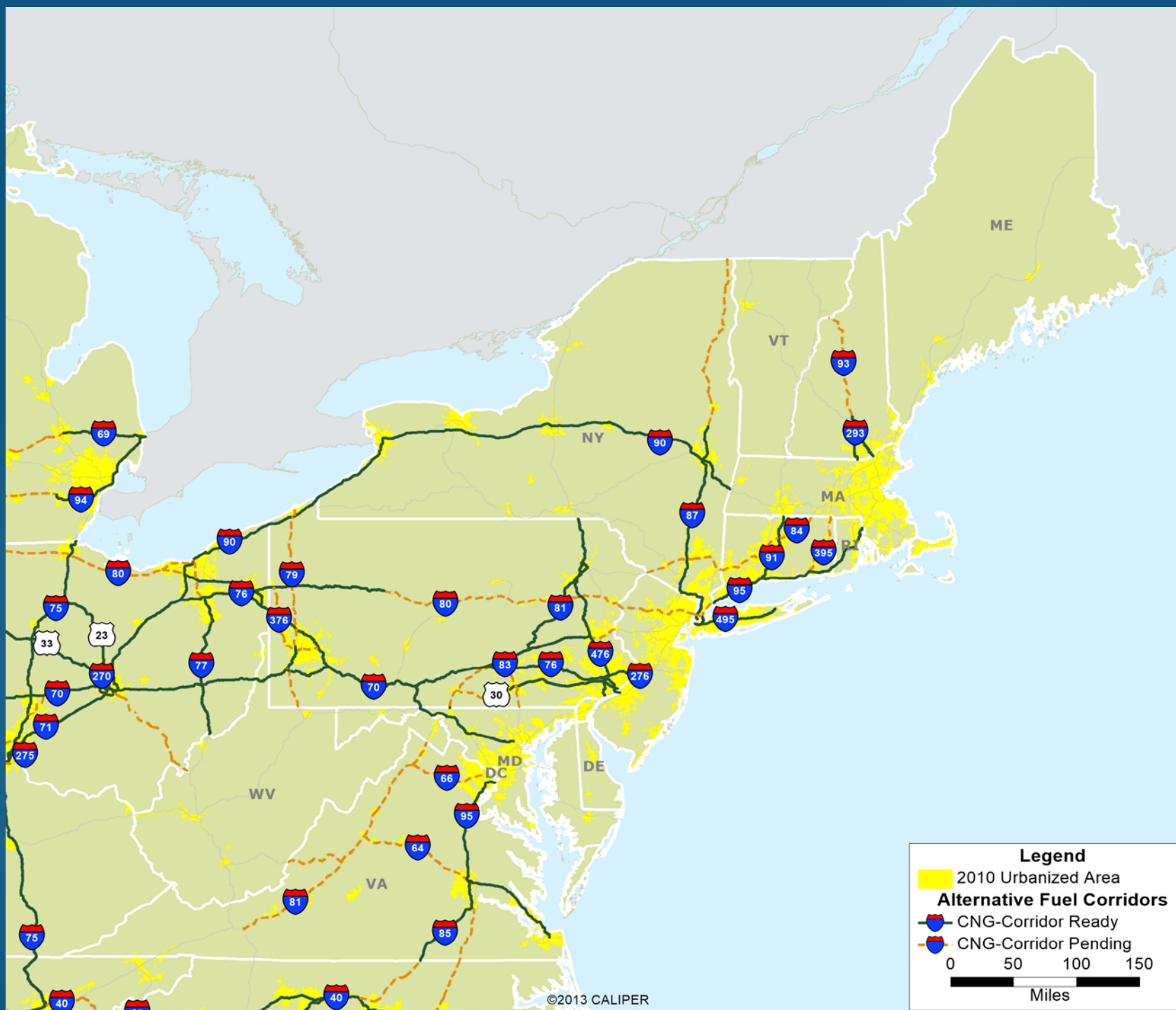
- Alternative Fuels Corridor Deployment Plans
- Funding for three projects
- Up to 80k with 20% match
- Focus is on:
 - Interstates currently designated as “pending”
 - Public-private partnerships
- Timeline:
 - Applications due on **September 9, 2019**
 - Recipients announced **fall 2019**
 - Final Plans due on **November 30, 2020**



Legend

- 2010 Urbanized Area
- Alternative Fuel Corridors**
 - EV-Corridor Ready
 - EV-Corridor Pending

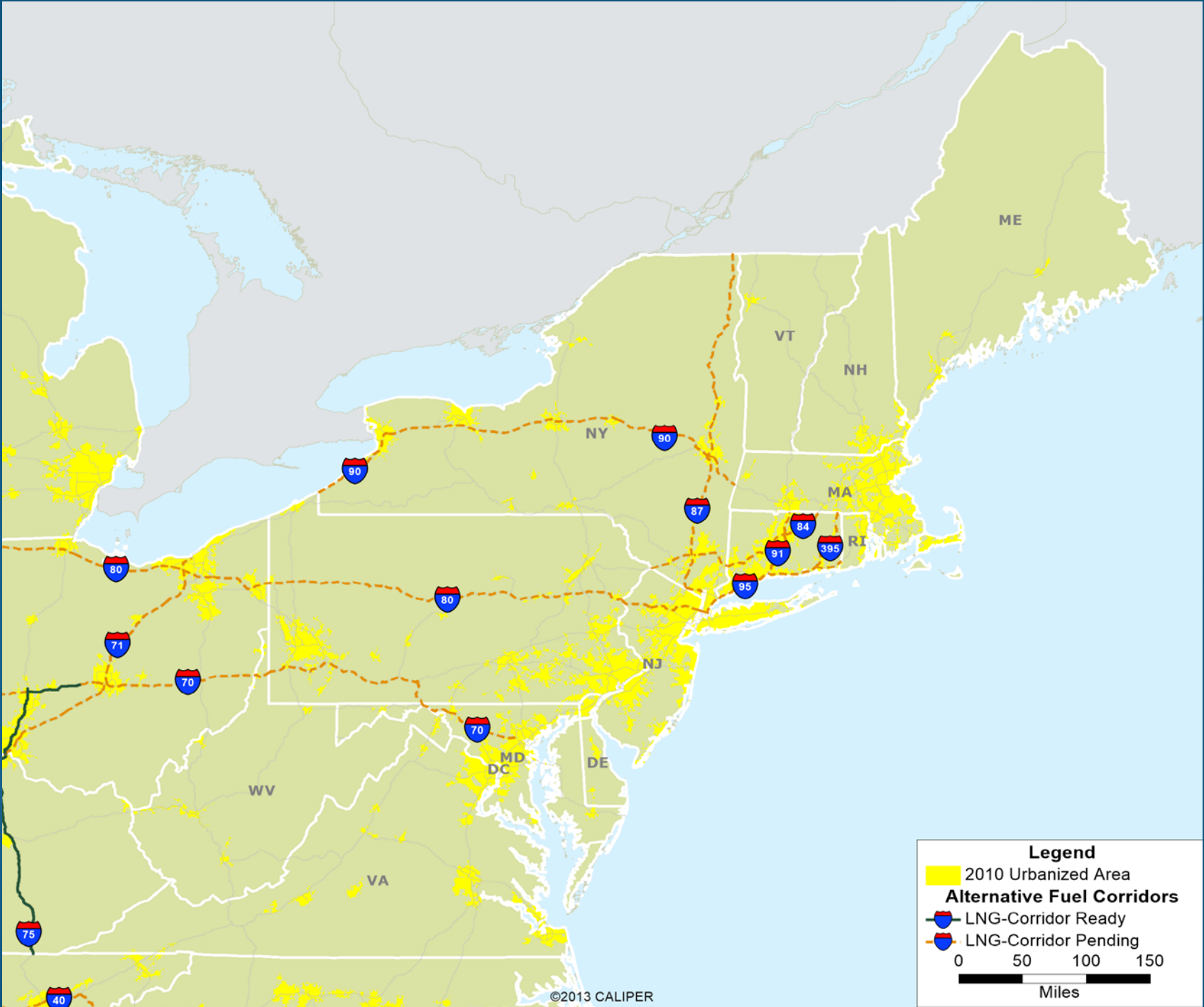
0 50 100 150
Miles



Legend

- 2010 Urbanized Area
- Alternative Fuel Corridors**
- CNG-Corridor Ready
- CNG-Corridor Pending

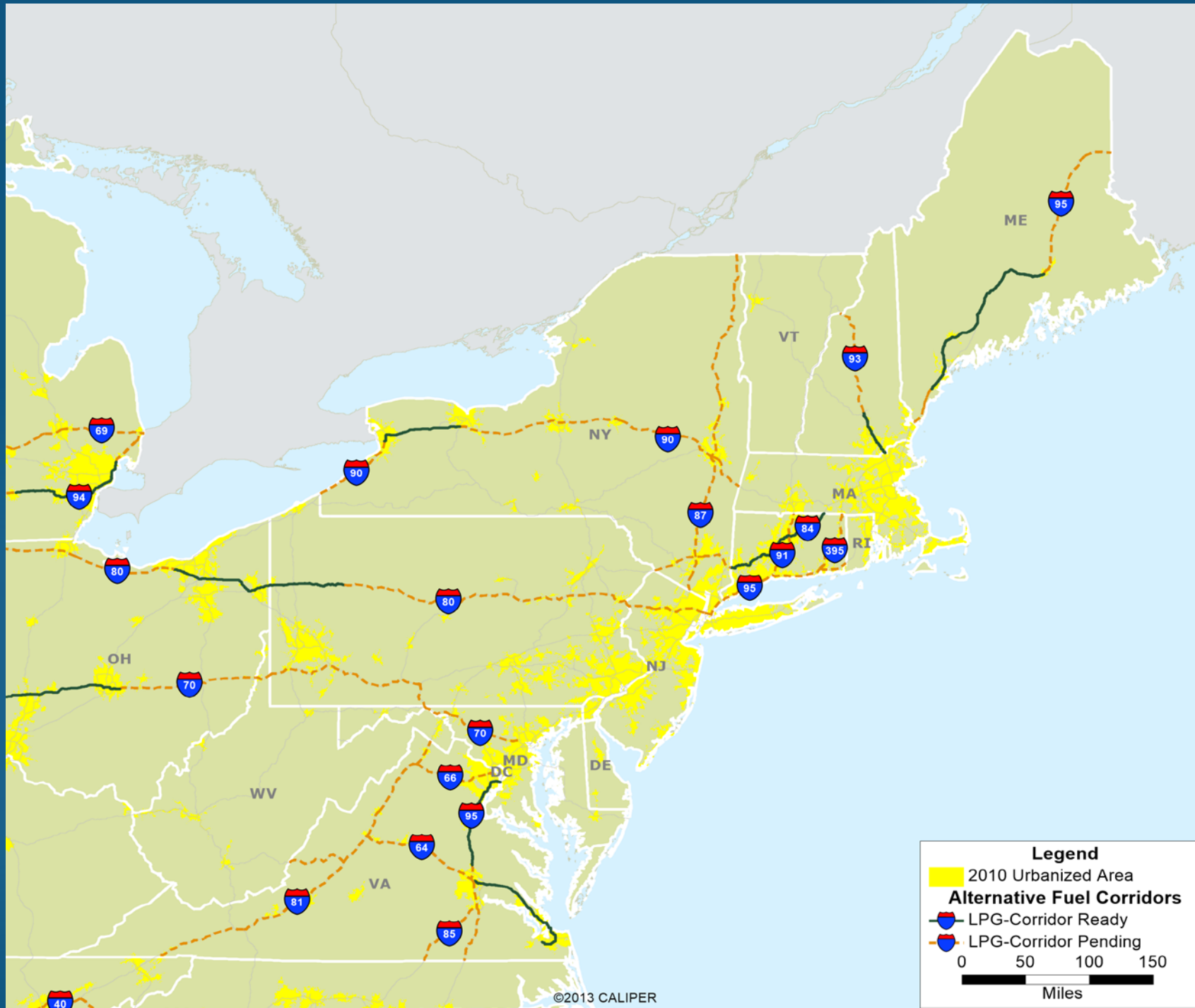
0 50 100 150
Miles



Legend

- 2010 Urbanized Area
- Alternative Fuel Corridors**
- LNG-Corridor Ready
- - LNG-Corridor Pending

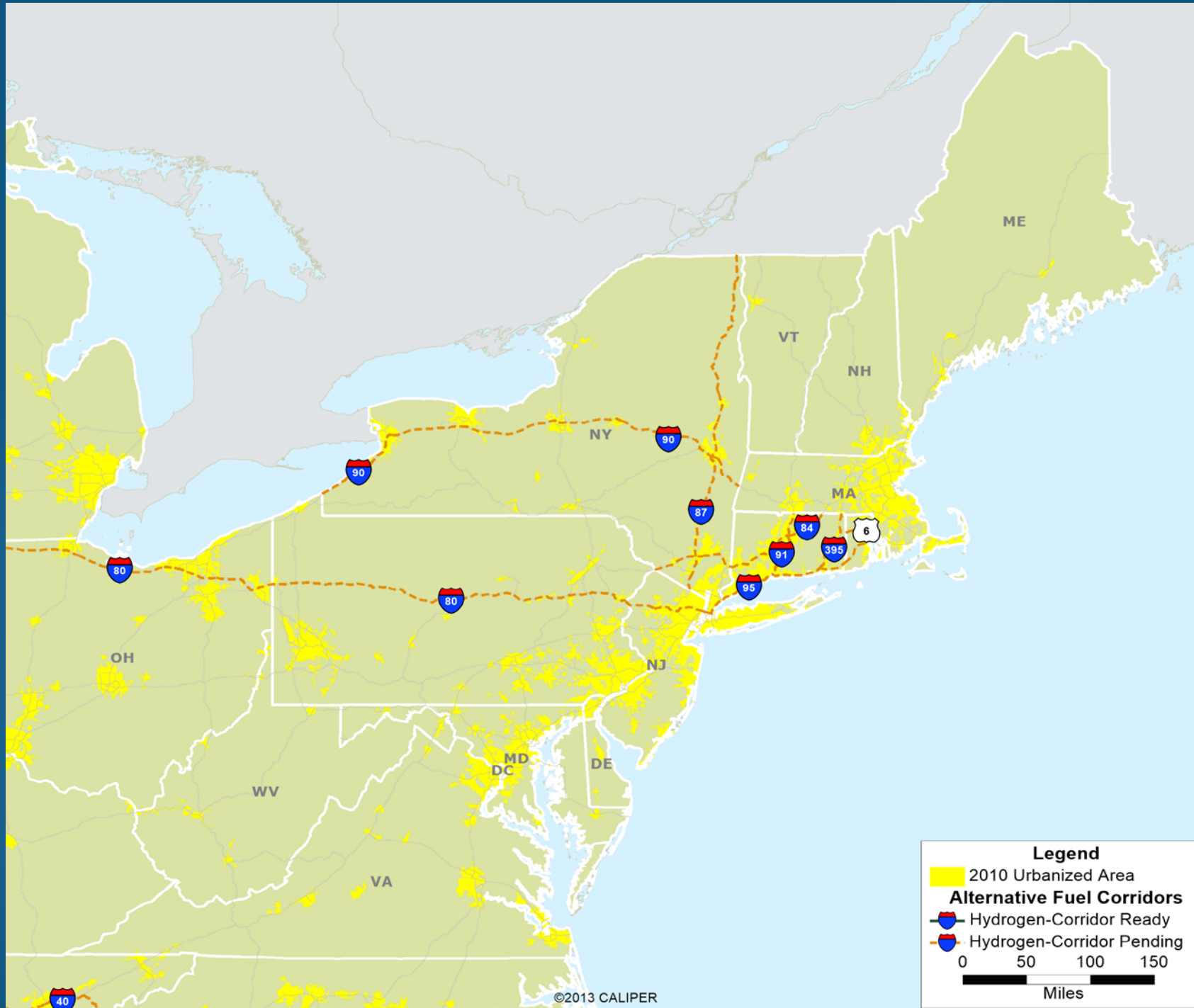
0 50 100 150
Miles



Legend

- 2010 Urbanized Area
- Alternative Fuel Corridors**
- LPG-Corridor Ready
- LPG-Corridor Pending

0 50 100 150
Miles



Legend

- 2010 Urbanized Area
- Alternative Fuel Corridors**
- Hydrogen-Corridor Ready
- Hydrogen-Corridor Pending

0 50 100 150
Miles

For More Information

DOT Alternative Fuel Corridor Team Contact Information

Diane Turchetta

U.S. Department of Transportation
Federal Highway Administration
202-493-0158

diane.turchetta@dot.gov

Mike Scarpino

U.S. Department of Transportation
Volpe Center
617-494-3373

michael.scarpino@dot.gov

Stephen Costa

U.S. Department of Transportation
Volpe Center
617-494-3852

stephen.costa@dot.gov

Resources

FHWA Alternative Fuel Corridor website:

http://www.fhwa.dot.gov/environment/alternative_fuel_corridors/

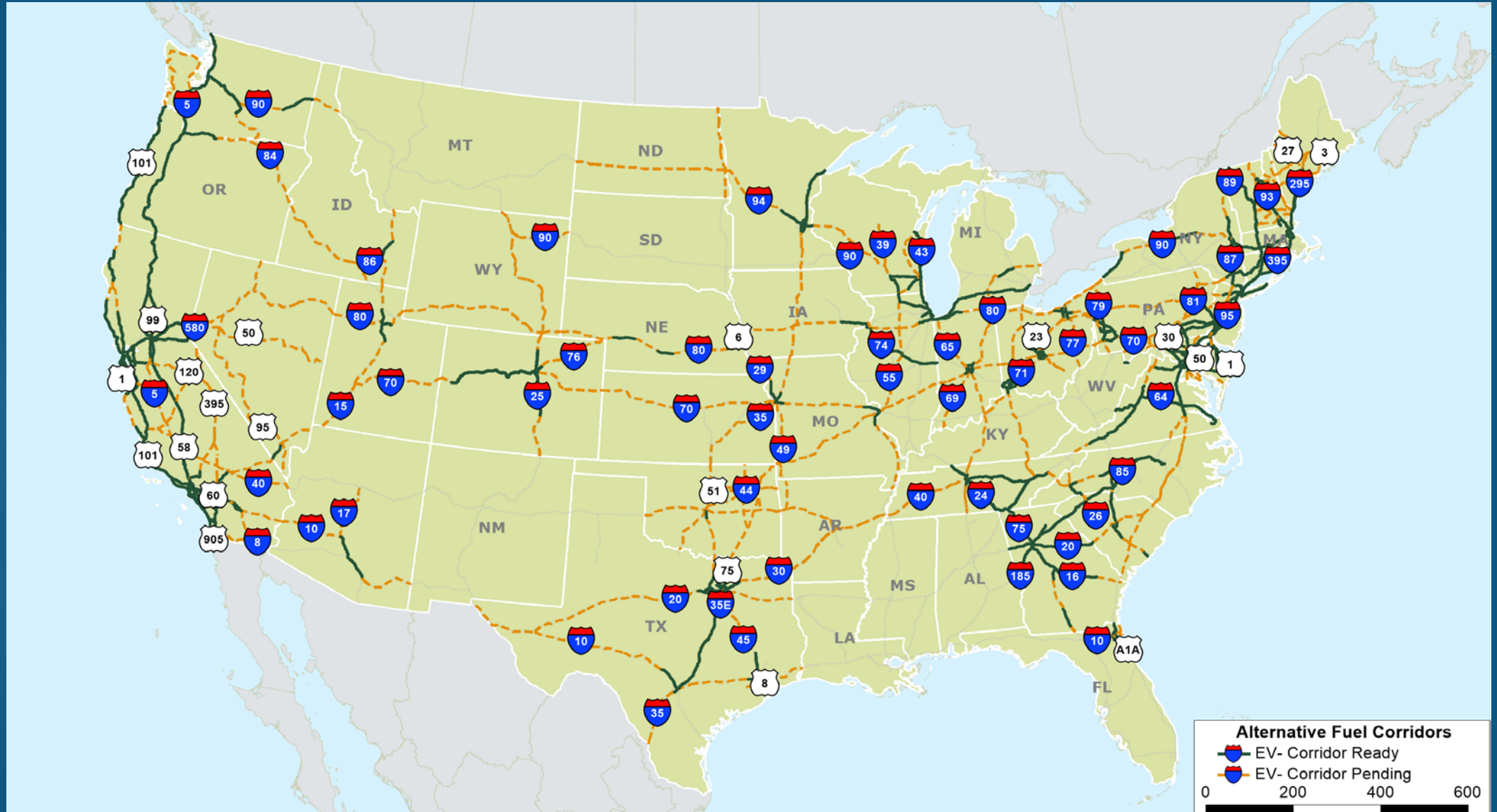
MUTCD Memorandum – Signing for Designated Alternative Fuel Corridors:

https://mutcd.fhwa.dot.gov/resources/policy/alt_fuel_corridors/index.htm

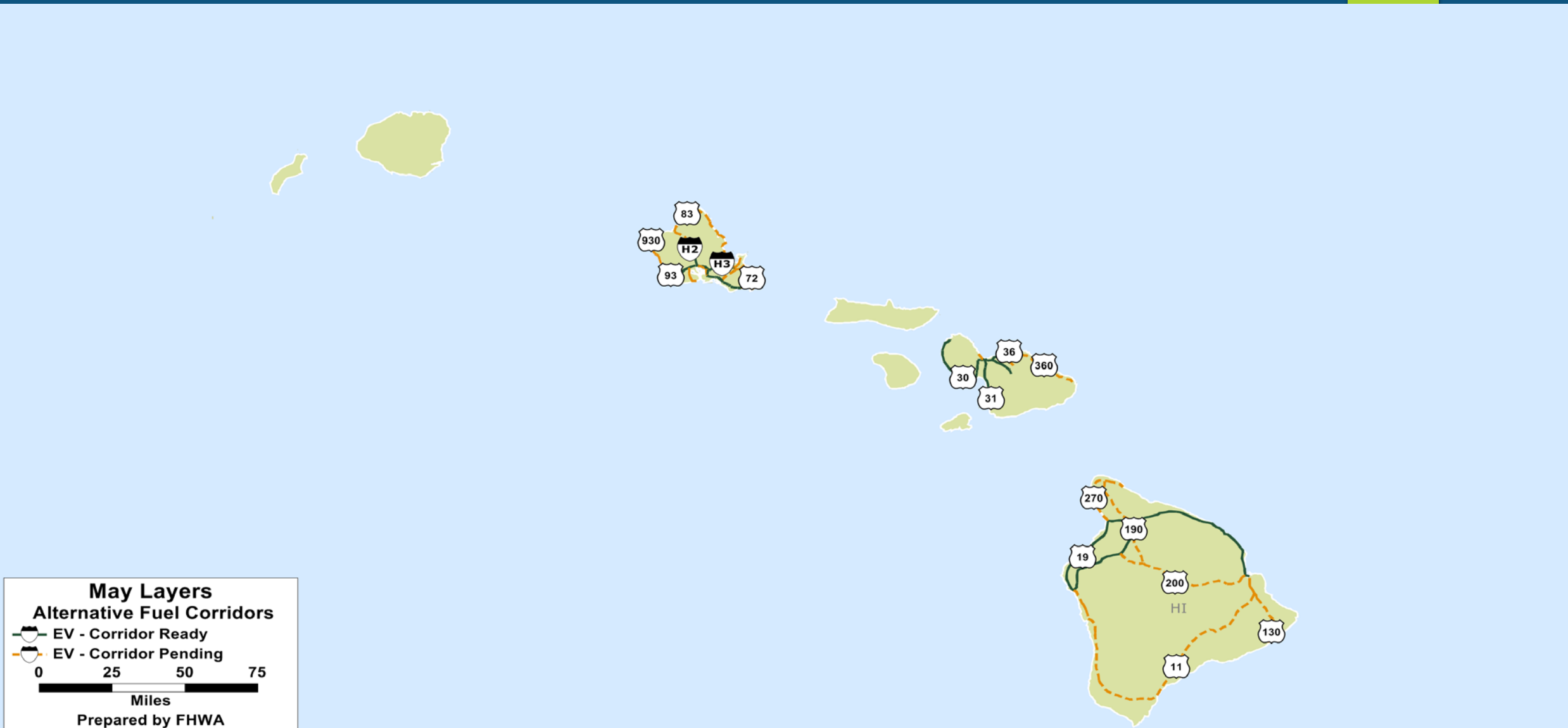
DOE/NREL Alternative Fueling Station Locator:

<https://www.afdc.energy.gov/locator/stations/>

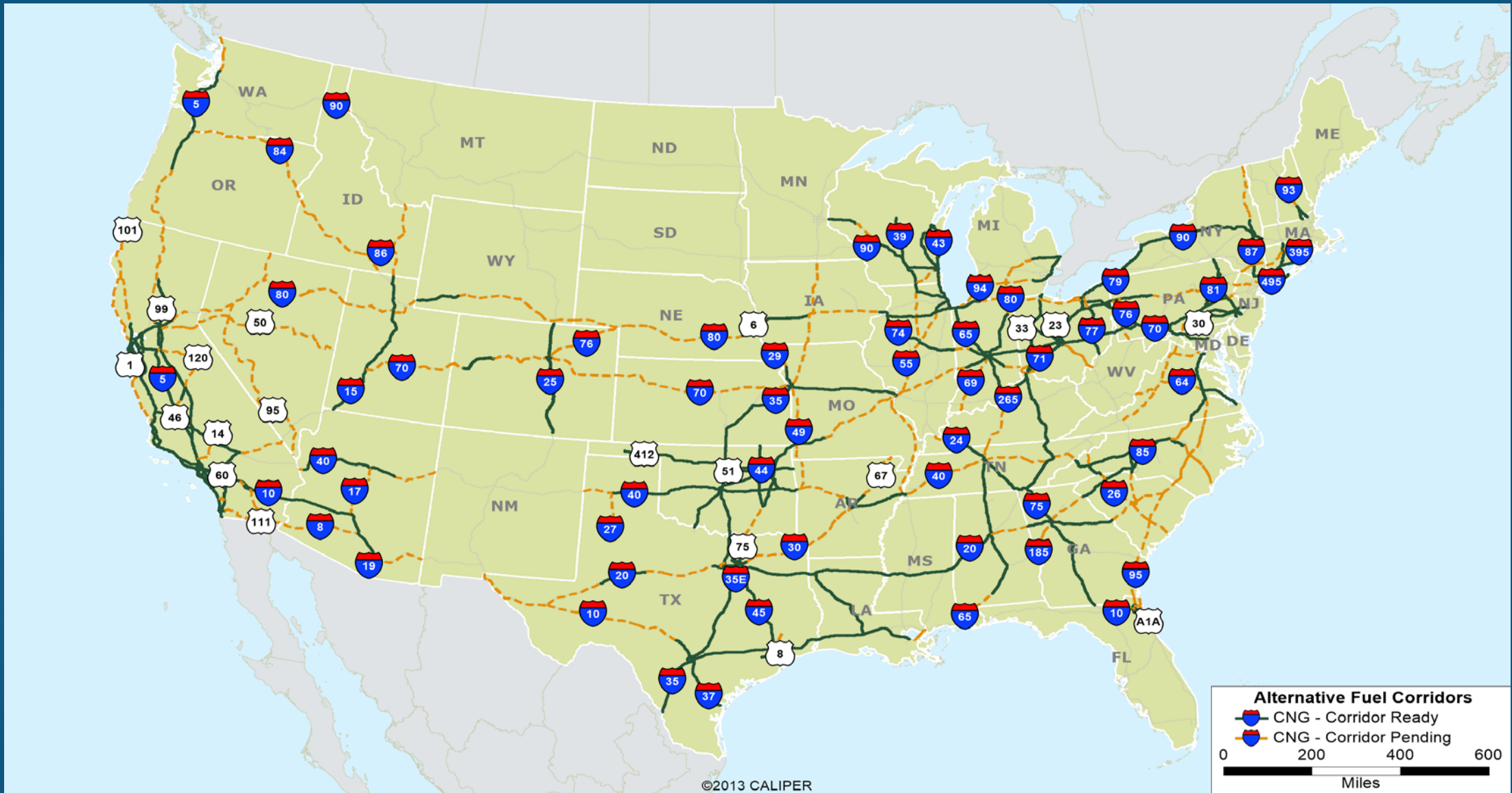
Rounds 1-3 EV Map – Corridor Ready & Pending



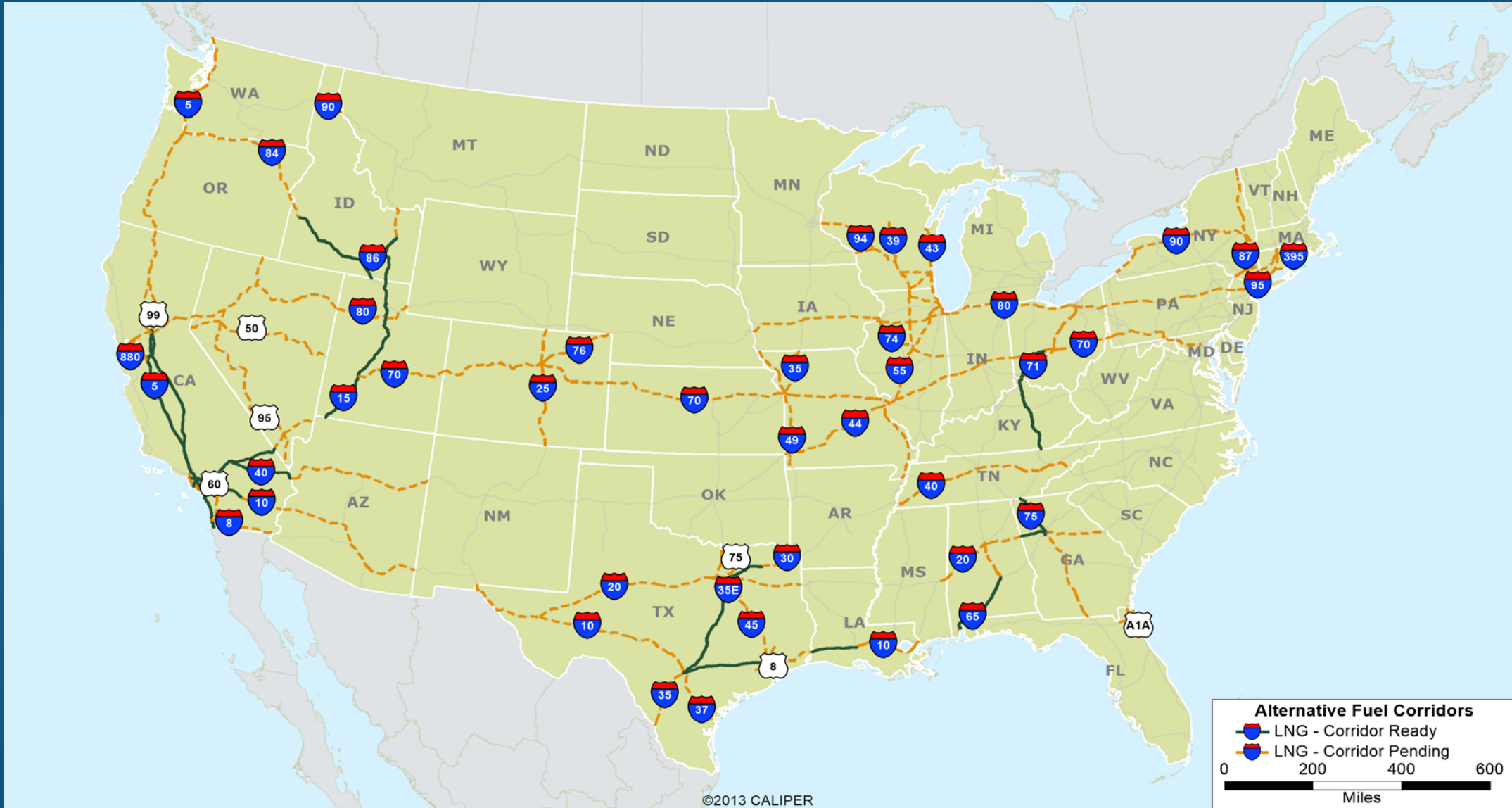
HI EV Corridors - Rounds 1&2



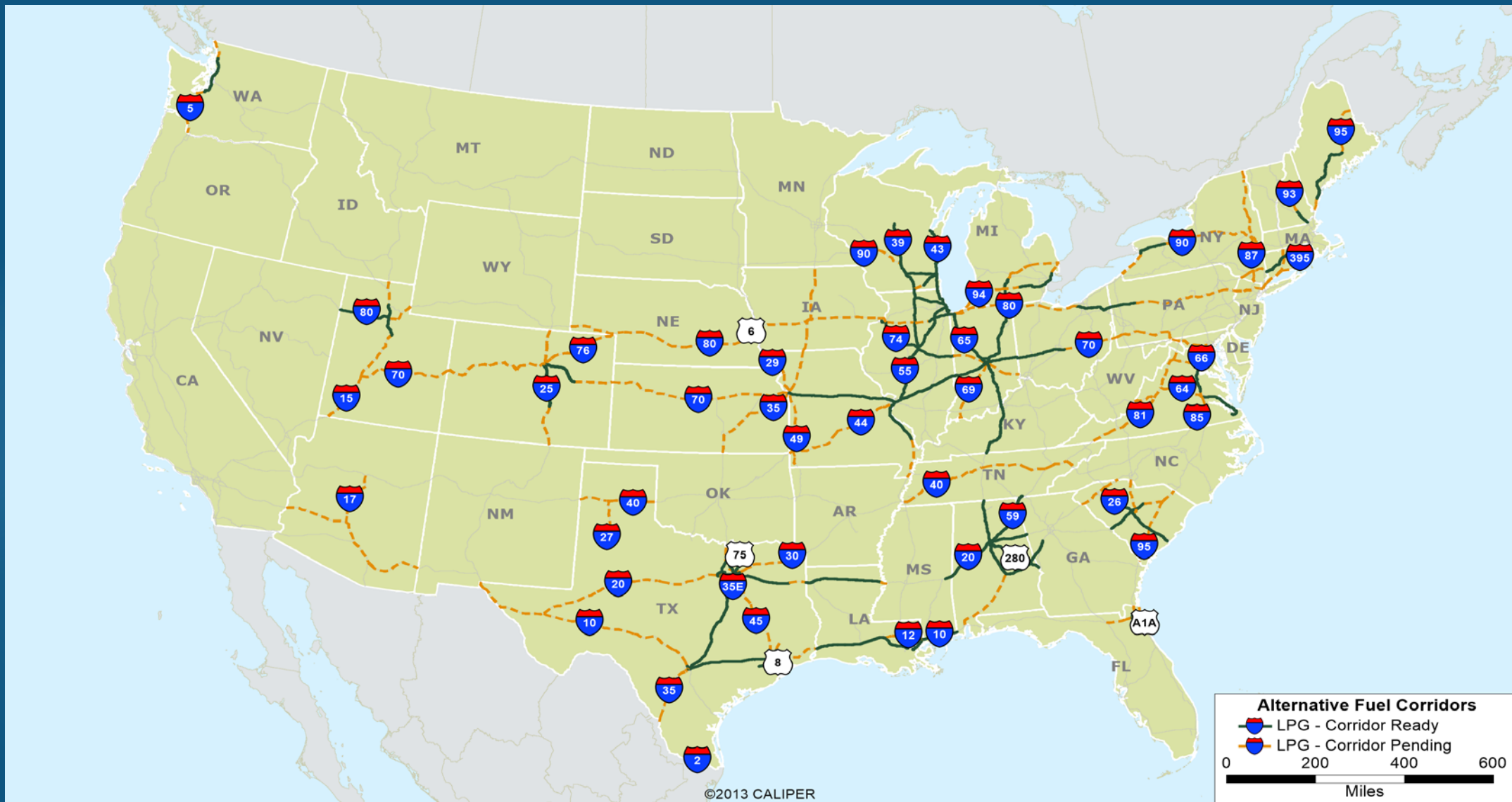
Rounds 1-3 CNG Map – Corridor Ready & Pending



Rounds 1-3 LNG Map - Corridor Ready & Pending



Rounds 1-3 LPG Map – Corridor Ready & Pending



Rounds 1-3 H2 Map - Corridor Ready & Pending

