

Alternative Fuel Corridors

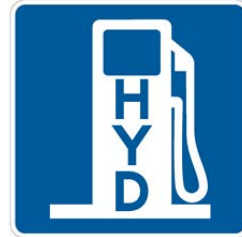
INTERMOUNTAIN WESTERN ALTERNATIVE FUEL CORRIDOR CONVENING

NOVEMBER 6, 2019

SALT LAKE CITY, UT

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

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)

Corridor-Ready Criteria

EV	CNG	LNG	Hydrogen	Propane
DCFC only (CHAdeMO + CCS)	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

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-26 (South Carolina)



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-95 (Rhode Island)



I-94 (Minnesota)



Federal Highway Administration Regional Alternative Fuel Corridor Convenings

- Team to hold 5 regional convenings:
 - To Date: Midwest (MN), Southeast (SC), South Central (TX), and Northeast/Mid-Atlantic (RI)
 - **Next Up: Intermountain (UT) – Nov. 6, 2019**
- 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/>

4 Regional Convenings to Date

Midwest AFC

St. Paul, MN

June 12, 2018

Southeast AFC

Charleston, SC

September 25, 2018

South Central AFC

Arlington, TX

April 9, 2019

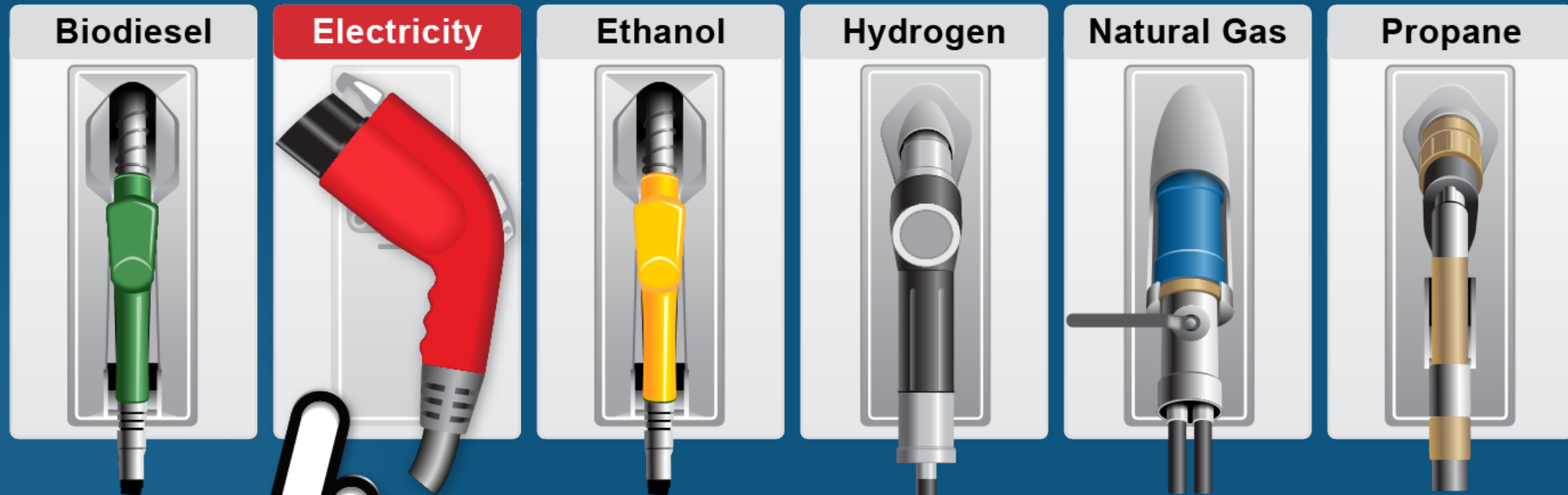
NE/Mid-Atlantic AFC

Providence, RI

July 10, 2019

Alternative Fuels Data Center

afdc.energy.gov



*The premier information resource for
alternative fuels and advanced vehicles*

Future of AFC Program

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



For More Information

DOT Alternative Fuel Corridor Team Contact Information

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Resources

FHWA Alternative Fuel Corridor website:

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

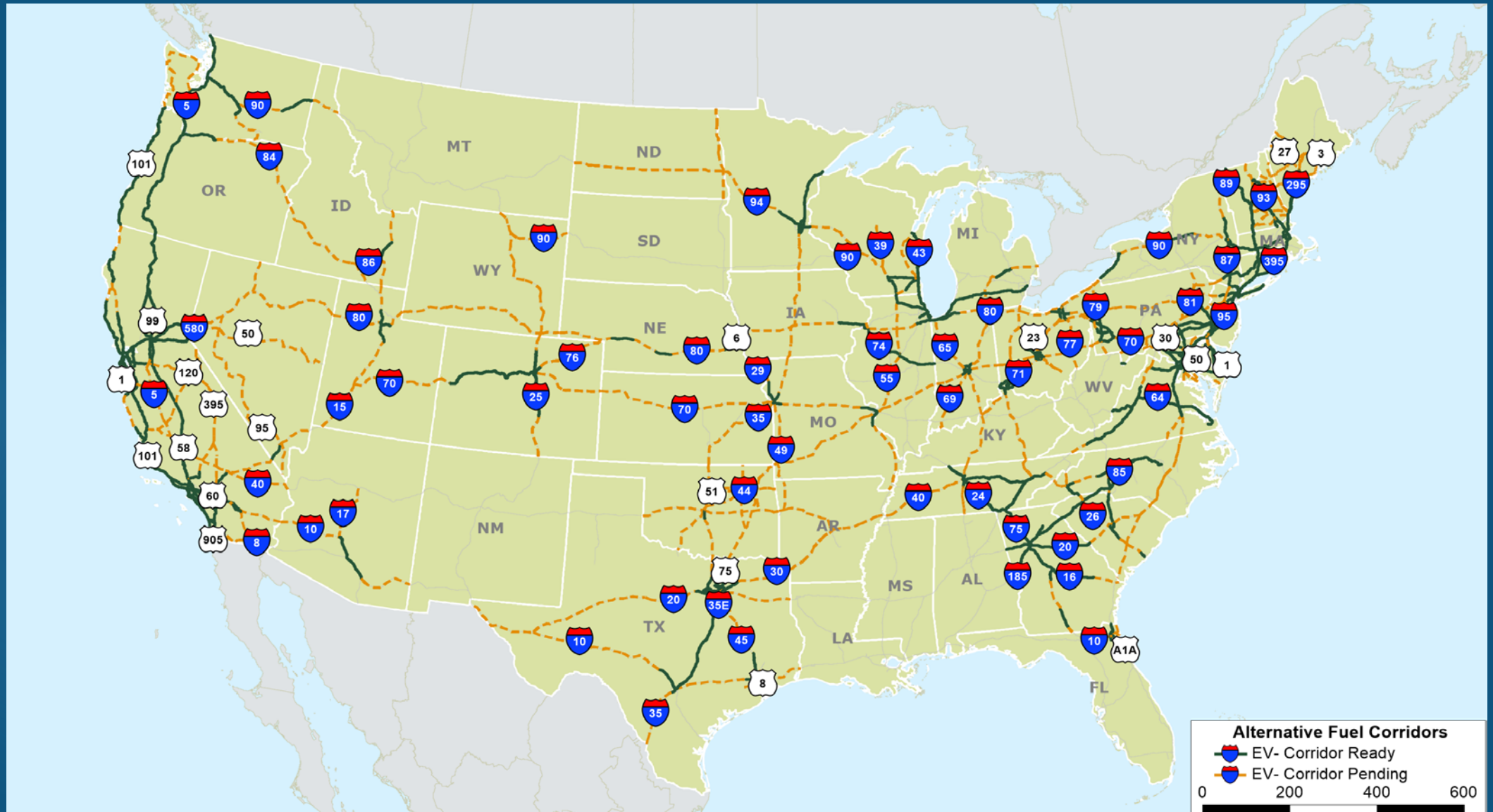
MUTCD Memorandum – Signing for Designated Alternative Fuel Corridors:

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

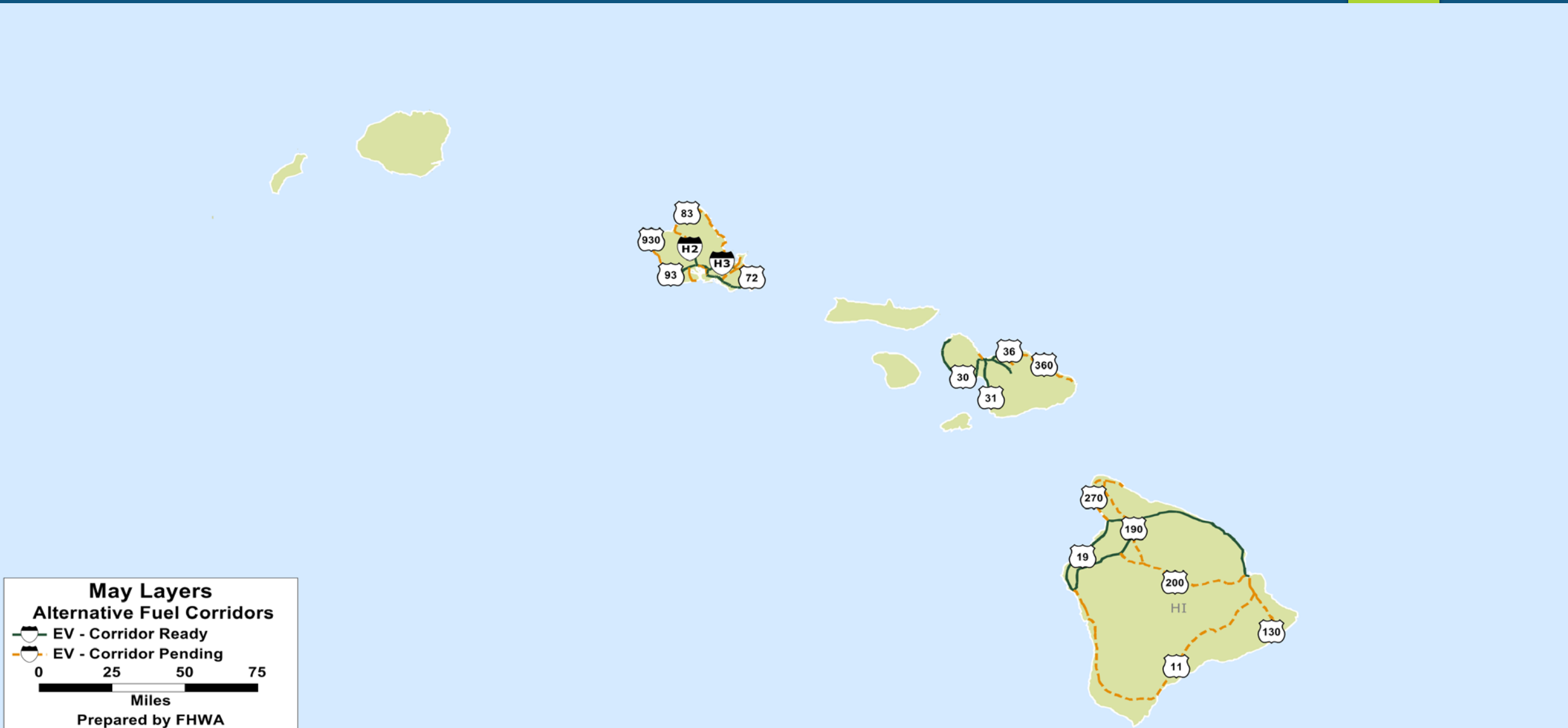
DOE/NREL Alternative Fueling Station Locator:

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

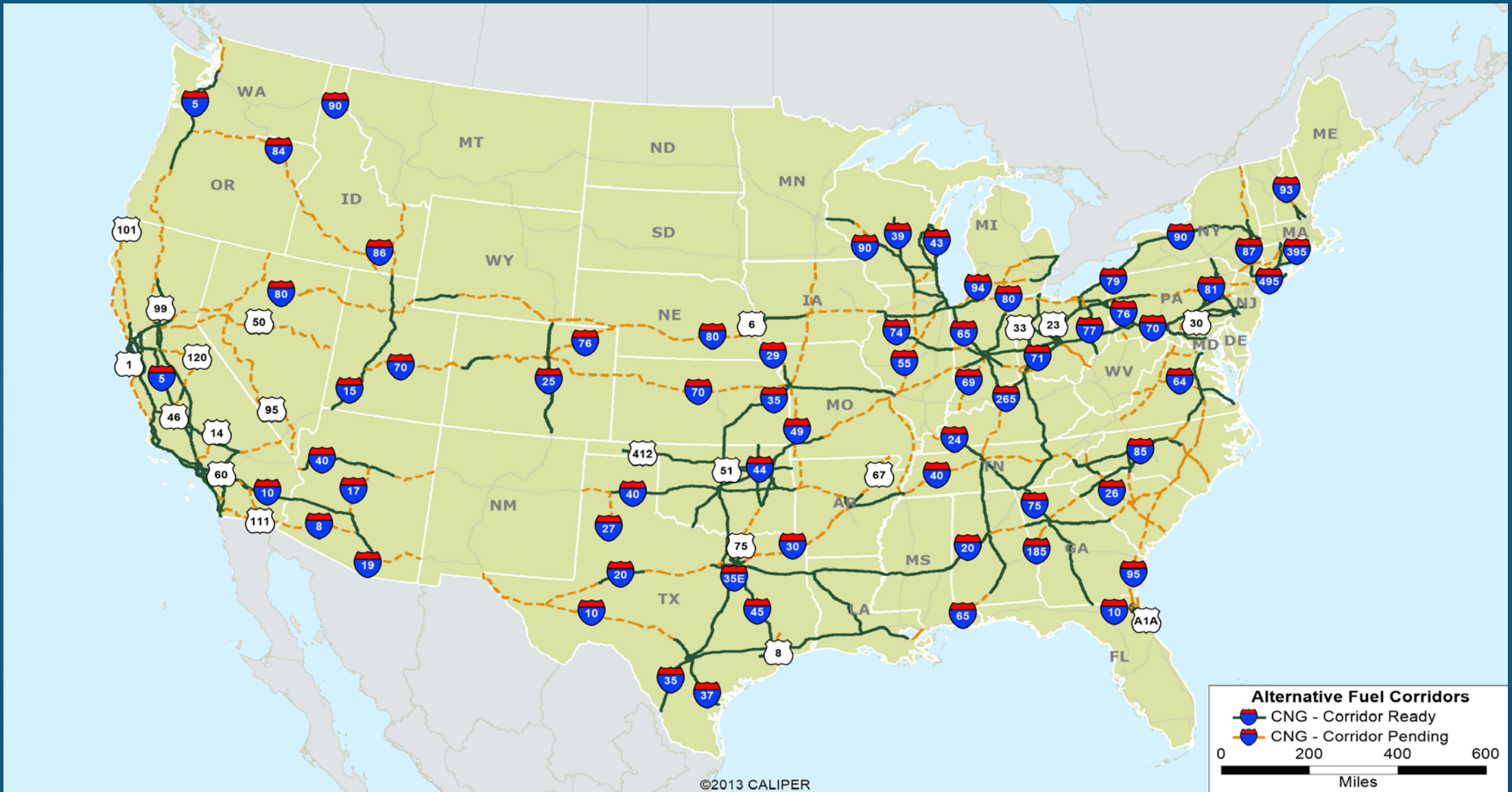
Rounds 1-3 EV Map – Corridor Ready & Pending



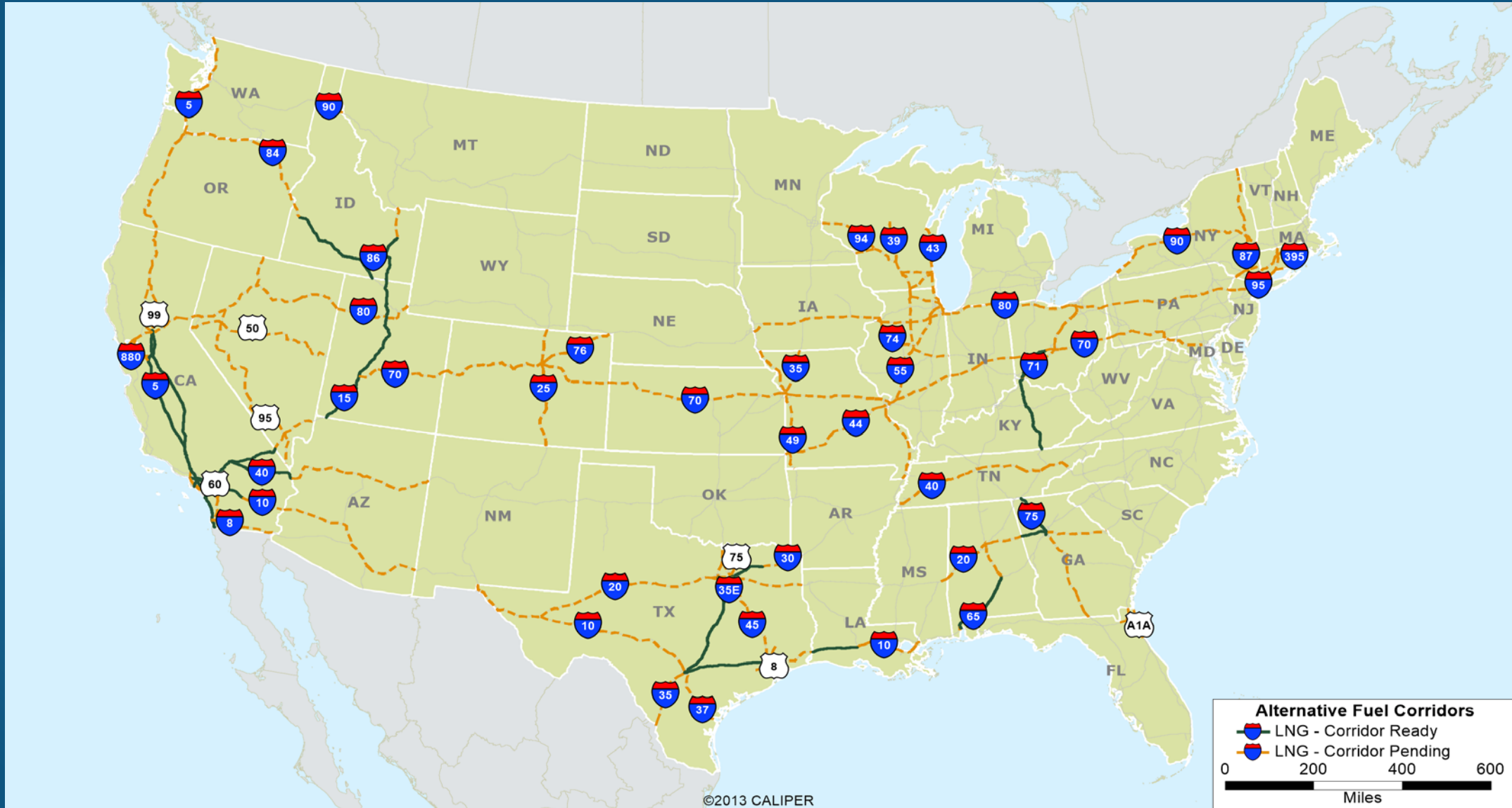
HI EV Corridors - Rounds 1&2



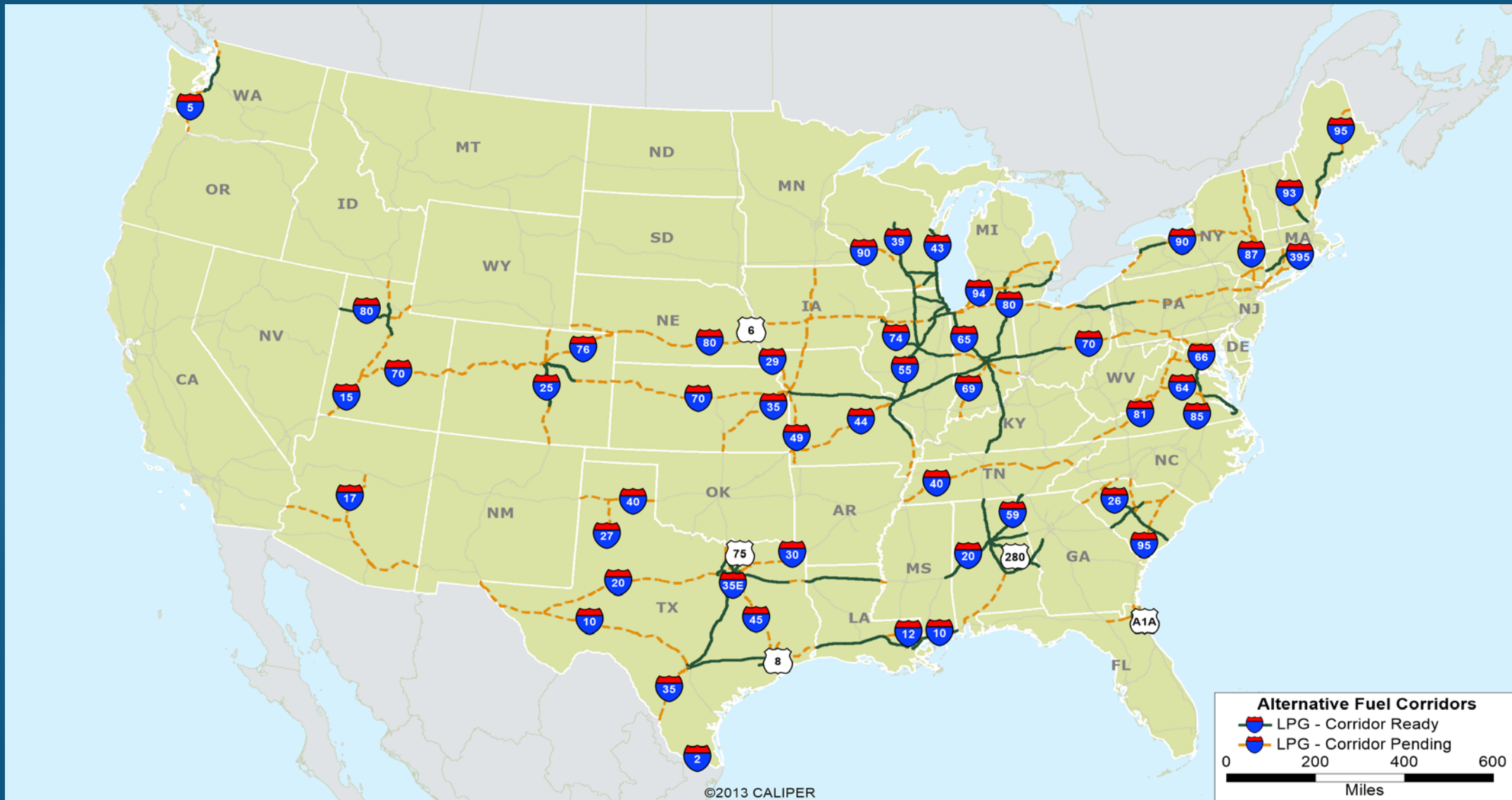
Rounds 1-3 CNG Map - Corridor Ready & Pending



Rounds 1-3 LNG Map – Corridor Ready & Pending



Rounds 1-3 LPG Map – Corridor Ready & Pending



Rounds 1-3 H2 Map - Corridor Ready & Pending

