

Alternative Fuel Corridors

SOUTH CENTRAL CORRIDOR CONVENING

APRIL 9, 2019

ARLINGTON, TX

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

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)



I-26 (South Carolina)

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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)

Combined Results Rounds 1&2

- Designations....
 - ✓ **58** nominations
 - ✓ Includes portions/segments of **84** Interstates, along with **43** US highways/state roads
 - ✓ Comprise **44 states plus D.C.**
 - ✓ Covers **over 100,000** miles of the National Highway System (all fuels combined)

FY 2018 Request for Nominations

- Round 3 request for nominations - October 2018
- Distributed through FHWA Division Offices
- Nominations due the end of January 2019
- Designations made in spring 2019
- No change in designation criteria
- Some changes in shapefile submissions



Federal Highway Administration Regional Alternative Fuel Corridor Convenings

- ▶ Team to hold 5 regional convenings:
 - ▶ To Date: Midwest (MN), Southeast (SC)
 - ▶ Next Up: South Central (TX) Northeast/Mid-Atlantic (RI) and REV West (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

2 Regional Convenings to Date

Midwest AFC
St. Paul, MN
June 12, 2018



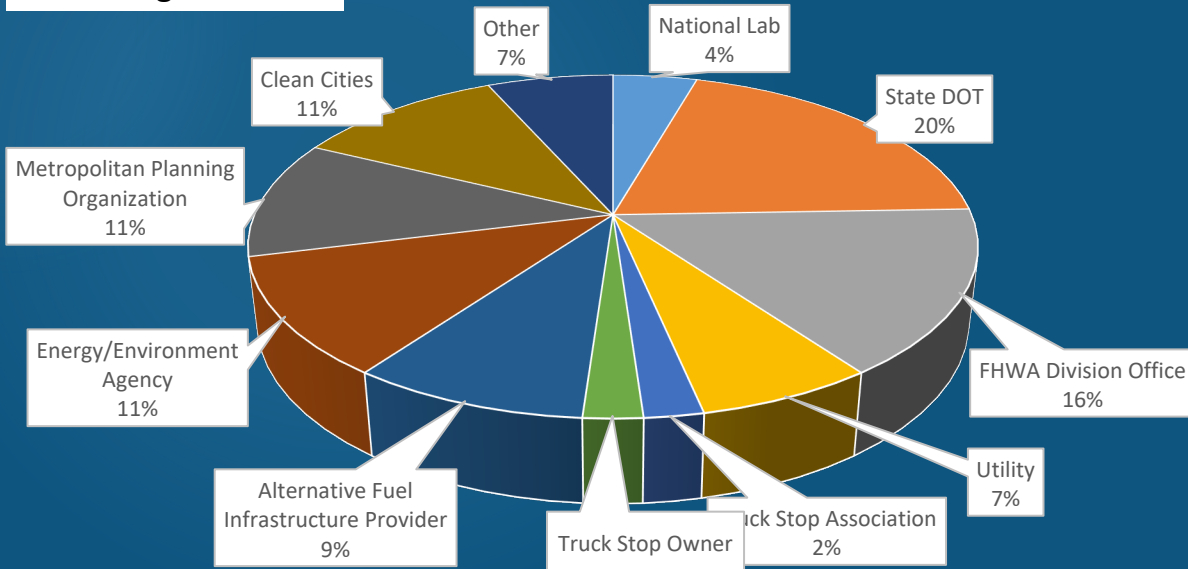
Southeast AFC
Charleston, SC
September 25, 2018

Convening Results

MIDWEST – St. Paul, MN (June 12, 2018)

- ▶ 9 States: ND, SD, MN, WI, MI, OH, IL, IN, IA
- ▶ 52 stakeholders
- ▶ Fuels of Interest: EV, CNG and H2
- ▶ # of Designated Corridors: 26 (SD none)

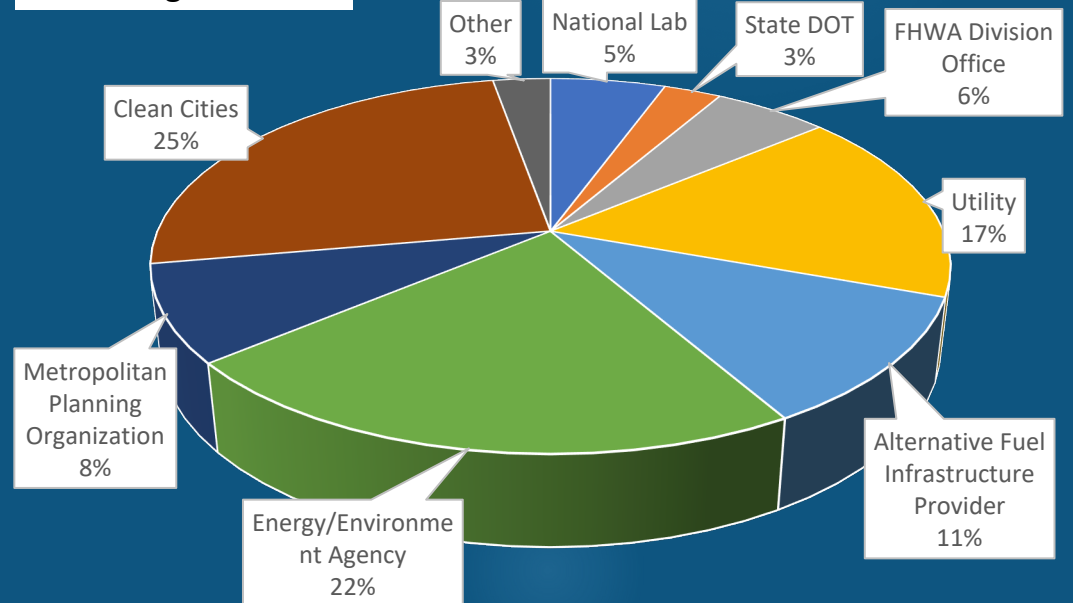
Convening Attendees



SOUTHEAST – Charleston, SC (Sept. 25, 2018)

- ▶ 8 States: KY, TN, NC, SC, AL, MS, GA, & FL
- ▶ 45 stakeholders
- ▶ Fuels of Interest: EV, CNG, LNG and LPG
- ▶ # of Designated Corridors: 30 (MS none)

Convening Attendees



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



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/

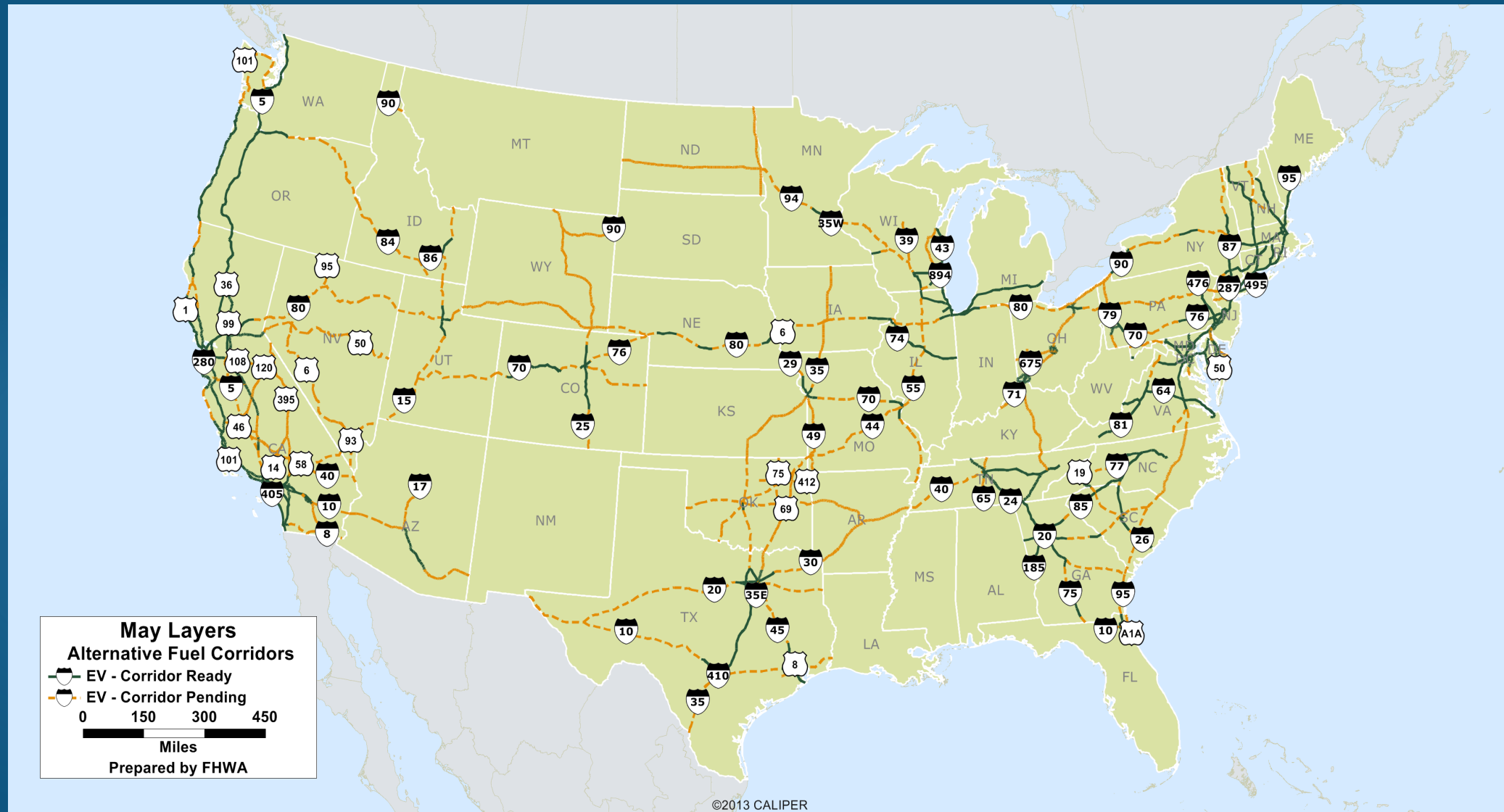
MUTCD Memorandum – Signing for Designated Alternative Fuel Corridors:

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

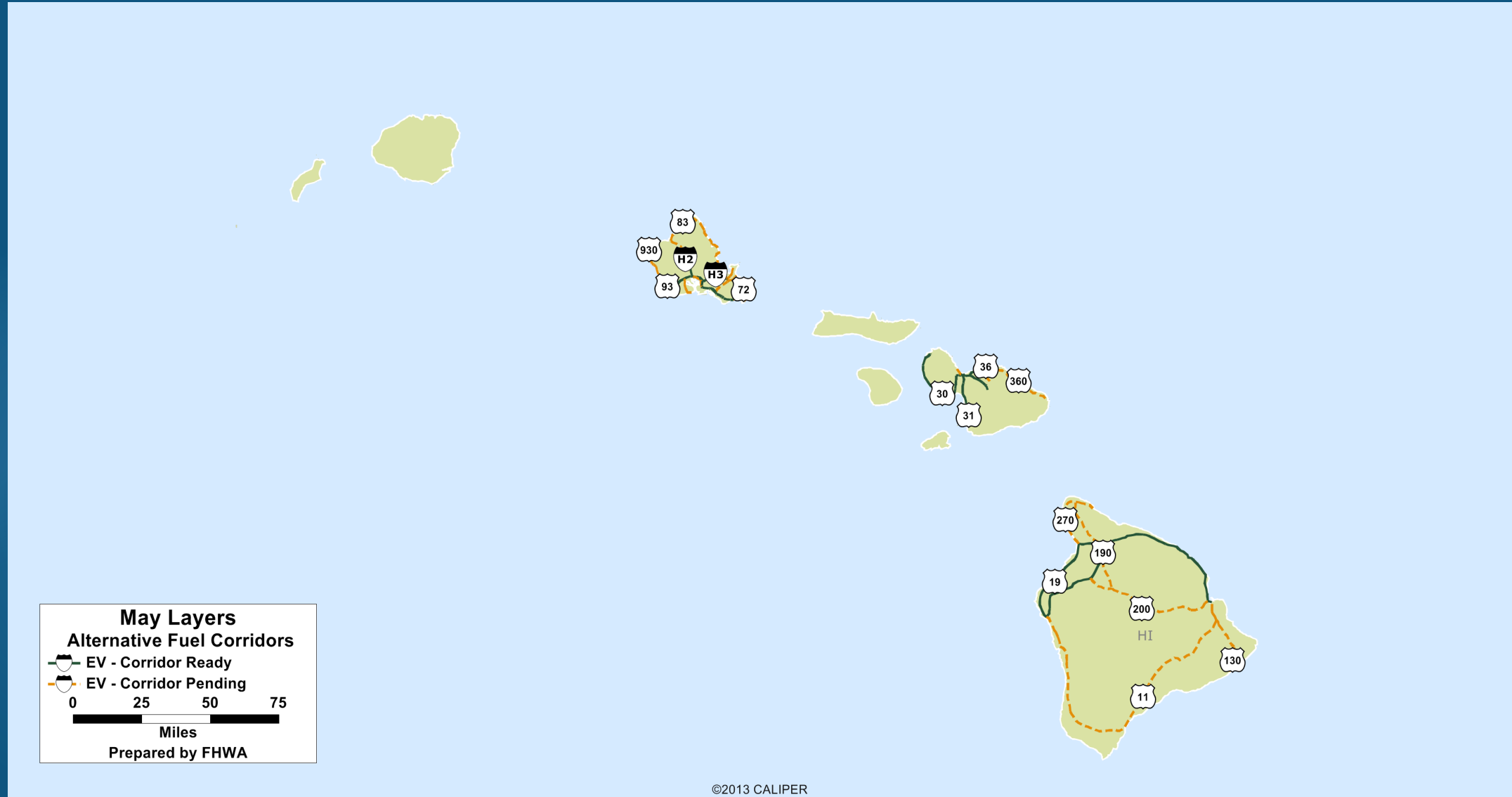
DOE/NREL Alternative Fueling Station Locator:

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

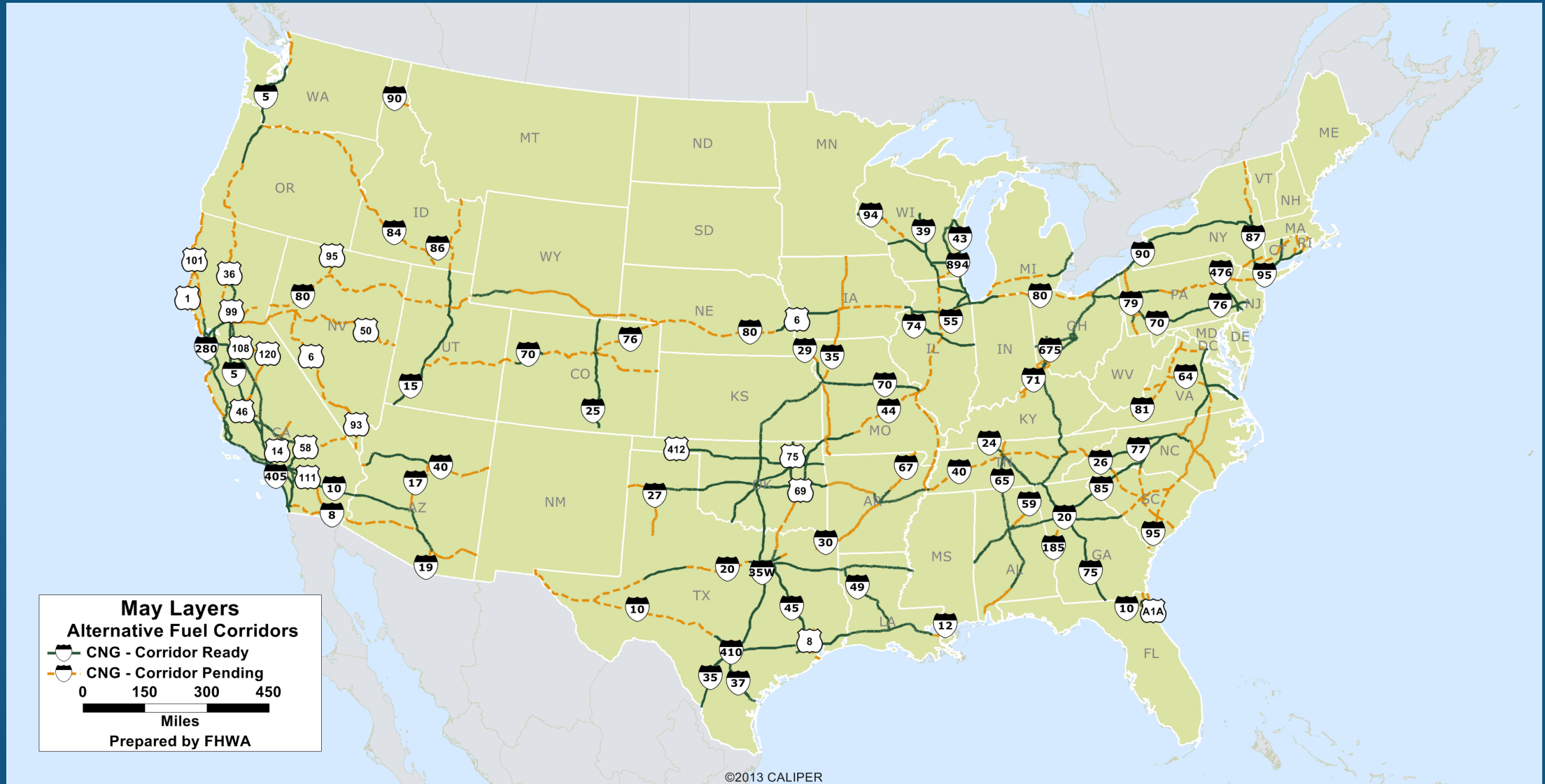
Rounds 1 & 2 EV Map – Corridor Ready and Pending



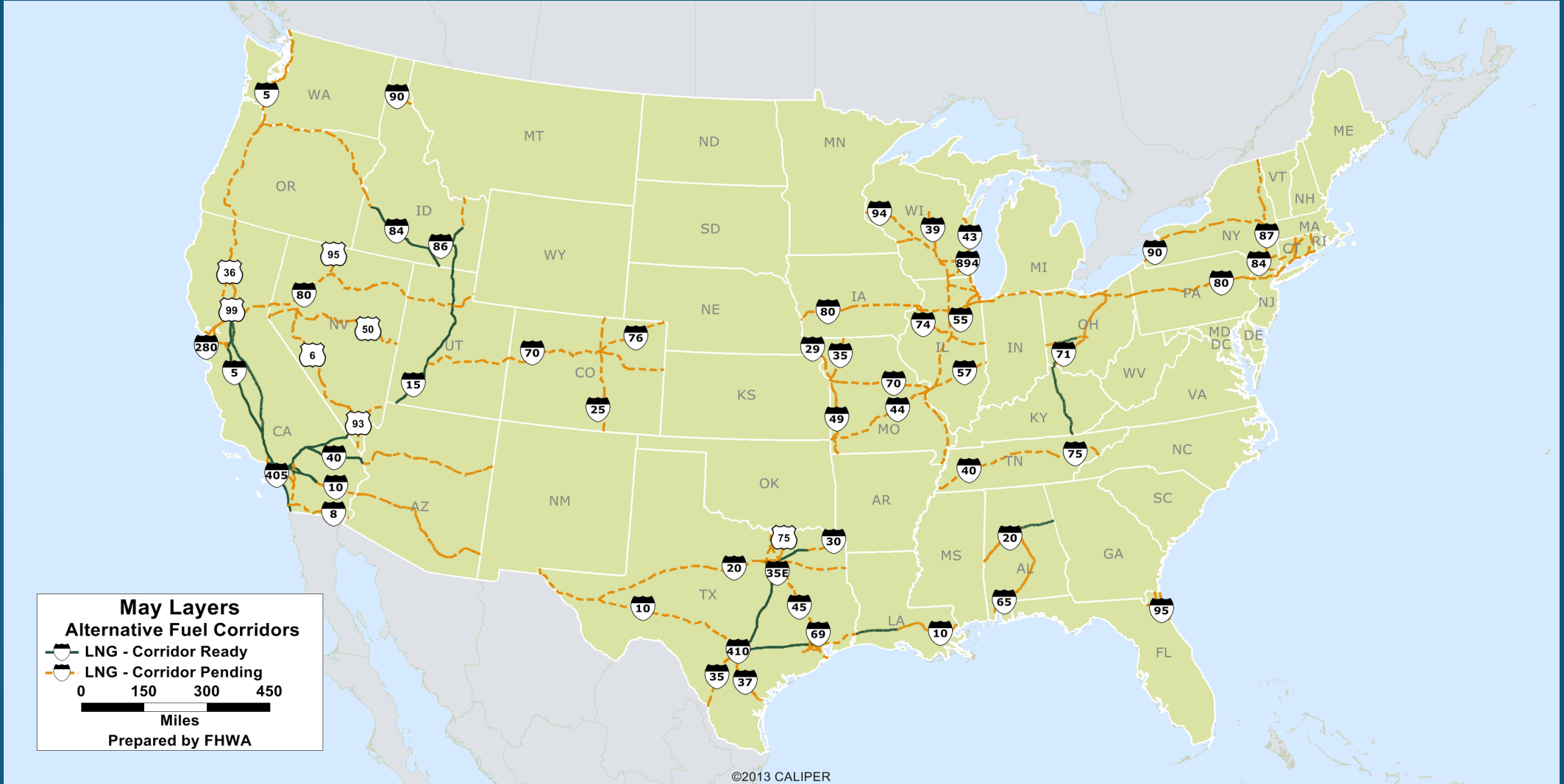
Rounds 1 & 2 EV Map for HI - Corridor Ready and Pending



Rounds 1 & 2 CNG Map – Corridor Ready and Pending



Rounds 1 & 2 LNG Map – Corridor Ready and Pending



Rounds 1 & 2 LPG Map – Corridor Ready and Pending

