



Alternative Fuel Corridors

SOUTHEAST ALTERNATIVE FUEL CORRIDORS REGIONAL CONVENING

DIANE TURCHETTA | U.S. DEPARTMENT OF TRANSPORTATION



U.S. Department of Transportation
Federal Highway Administration

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

- 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)

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

FY 2018 Request for Nominations

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

Regional Alternative Fuel Corridor Convening's

- The purpose is to help state and local agencies identify Interstate corridors that are potential candidates for designation or need additional facilities to change the designation from Corridor-Pending to Corridor-Ready.
- Representatives from states in the targeted region will be invited and multiple cross-state corridors will be discussed and analyzed for designation potential.



I-26 (South Carolina)

Regional Alternative Fuel Corridor Convening's

- Midwest – June 12 (St. Paul, MN)
- Southeast – Sept. 25 (Charleston, SC)
- REV West States – Spring/Summer 2019
- NE/Mid-Atlantic – Fall 2019
- Texas and surrounding states - 2019

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



CMAQ Funding for AFV Infrastructure

- ▶ MAP – 21: Priority for EV & CNG AFV infrastructure
- ▶ EV & CNG infrastructure may be located anywhere in a state as long as it does not compete with existing private facilities, or violate Title 23 Section 111 (placement on interstate rights-of-way for profit)
- ▶ FAST Act: Priority for CMAQ funding on designated corridors (EV & CNG)
- ▶ AFC signage is now eligible under the CMAQ Program

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/

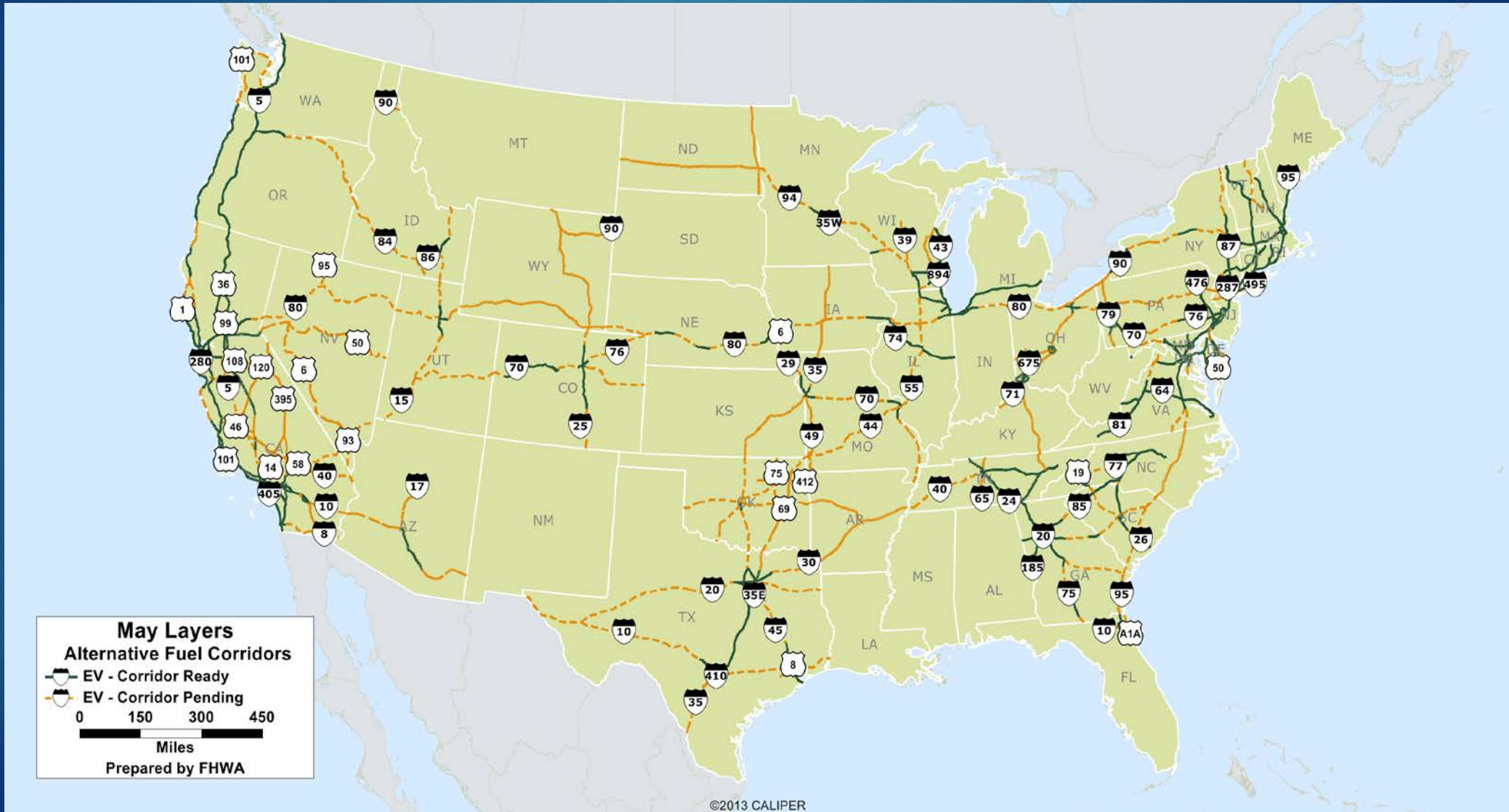
MUTCD Memorandum – Signing for Designated Alternative Fuel Corridors:

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

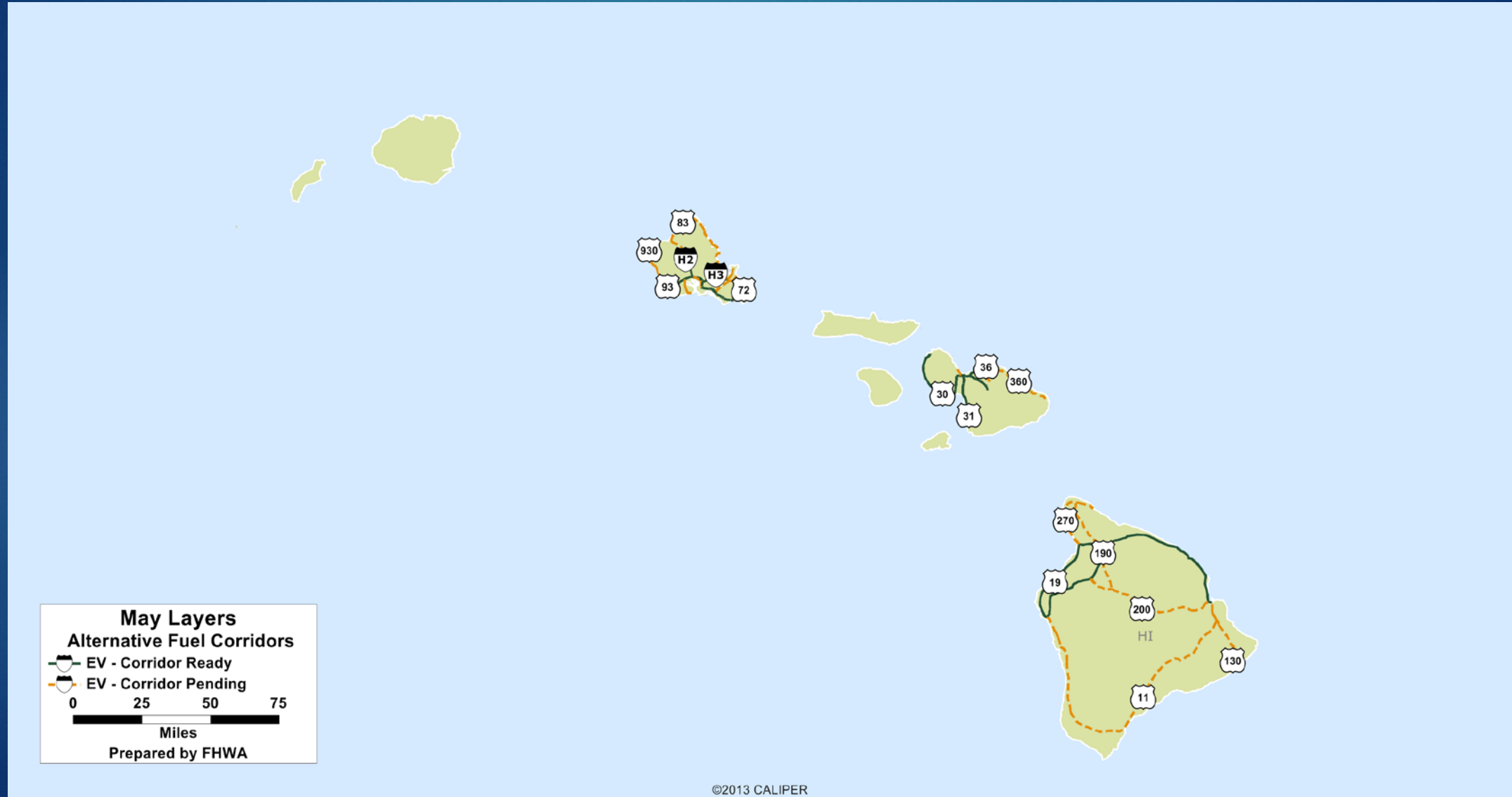
DOE/NREL Alternative Fueling Station Locator:

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

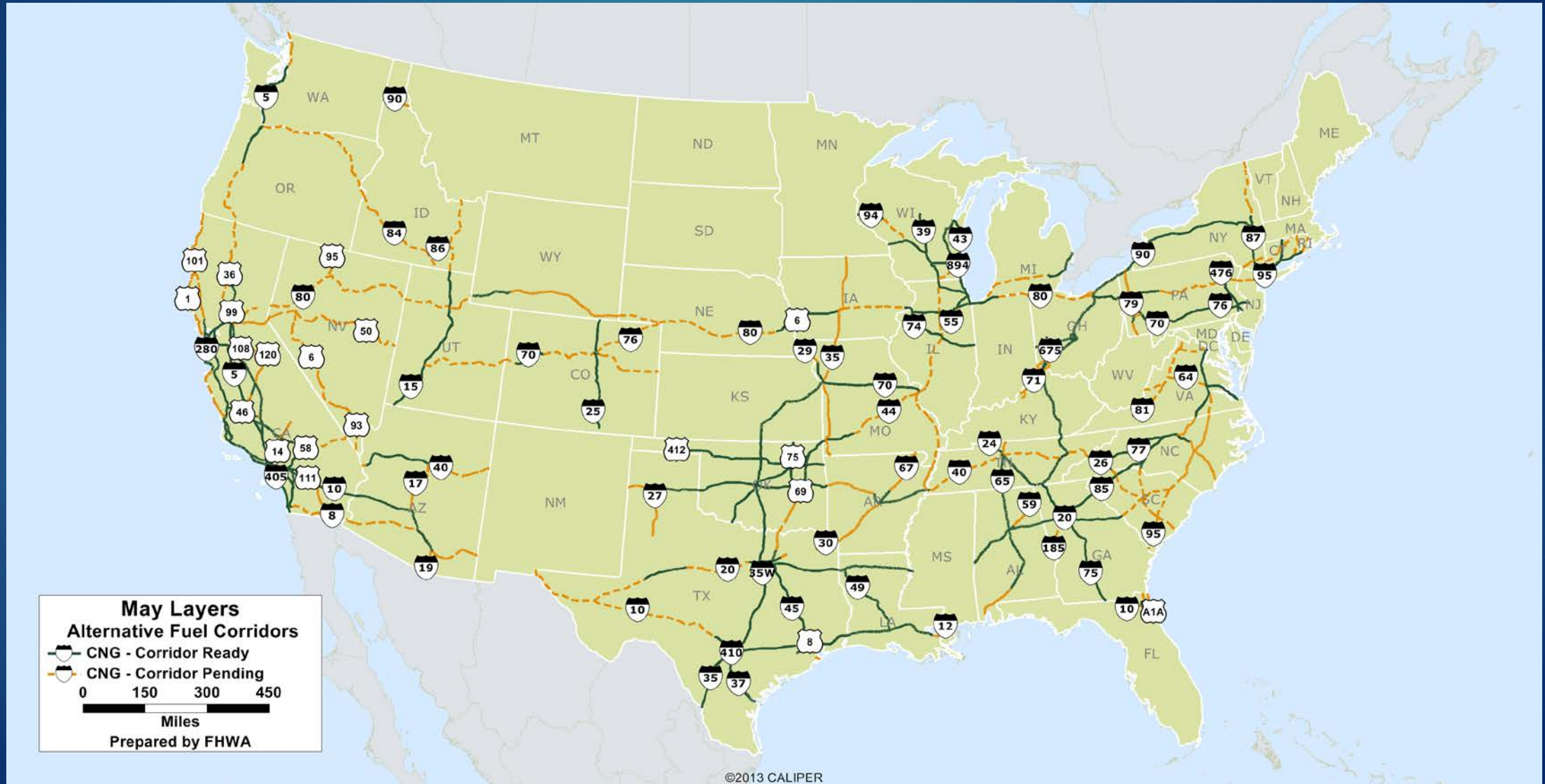
Rounds 1 & 2 EV Map – Corridor Ready and Pending



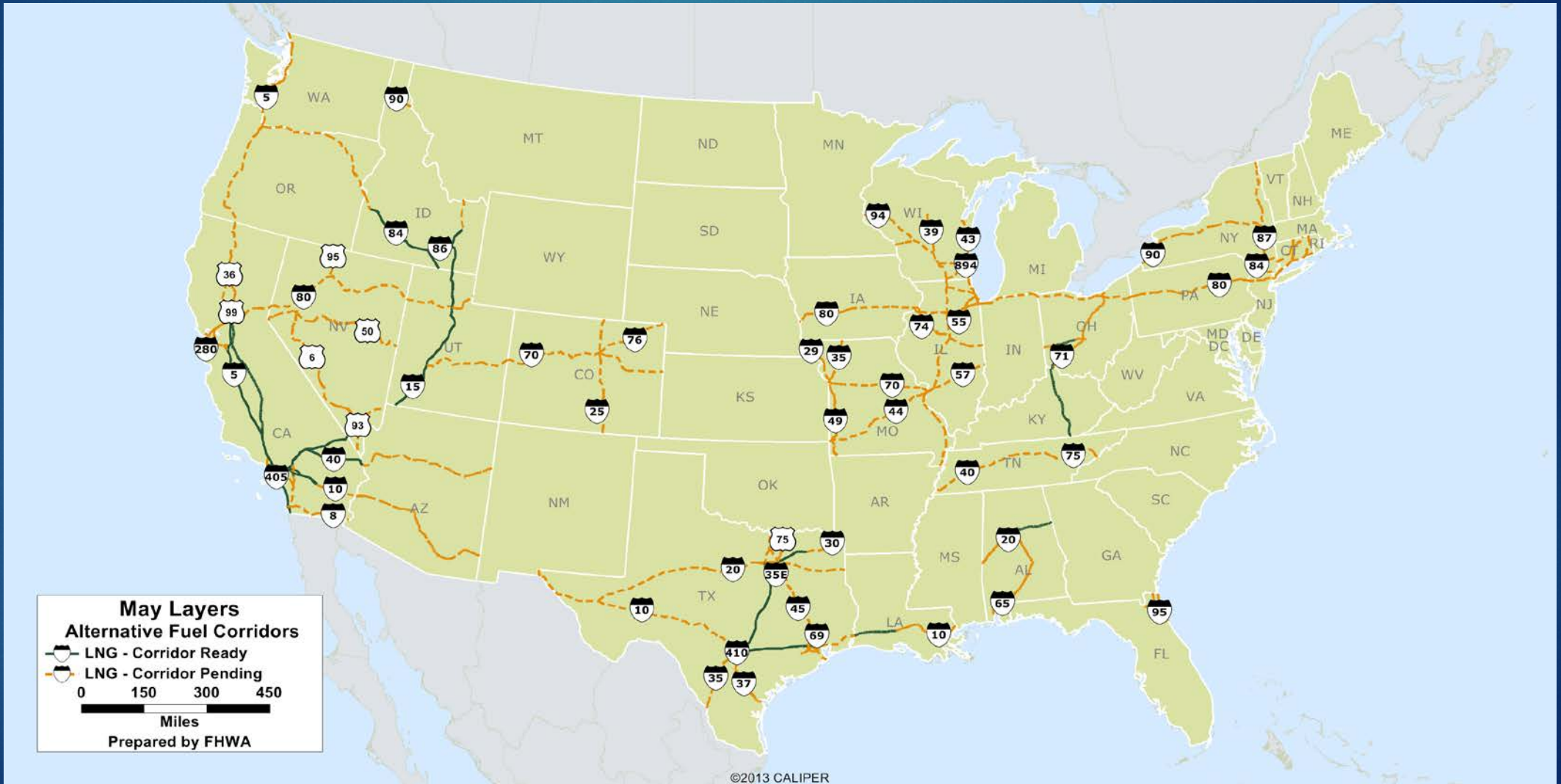
Rounds 1 & 2 EV Map for HI - Corridor Ready and Pending



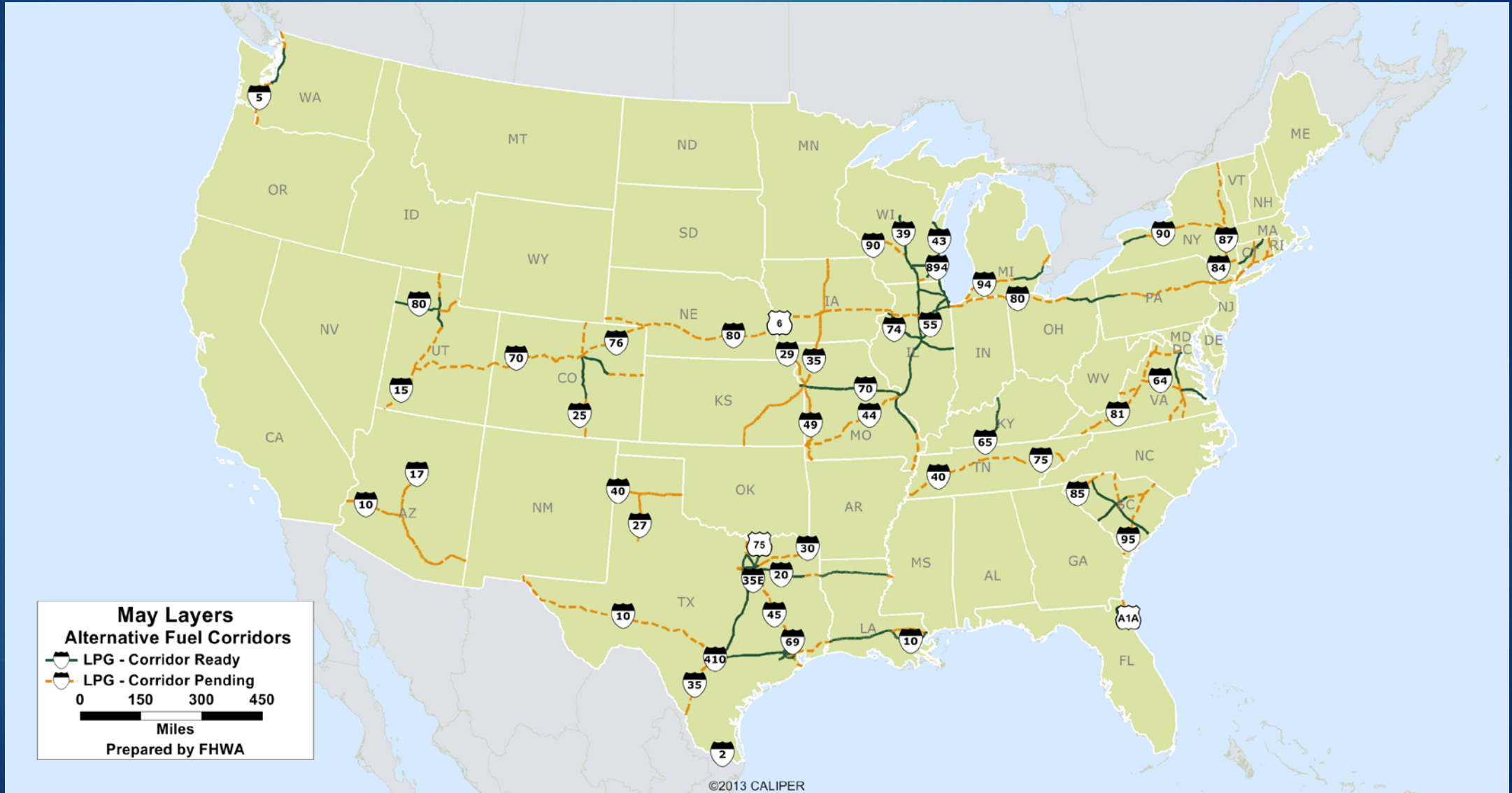
Rounds 1 & 2 CNG Map – Corridor Ready and Pending



Rounds 1 & 2 LNG Map – Corridor Ready and Pending



Rounds 1 & 2 LPG Map – Corridor Ready and Pending



Rounds 1 & 2 HYD Map – Corridor Ready and Pending

