

Alternative Fuel Corridors

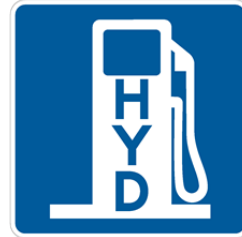
MIDWEST ALTERNATIVE FUEL CORRIDOR REGIONAL CONVENING

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

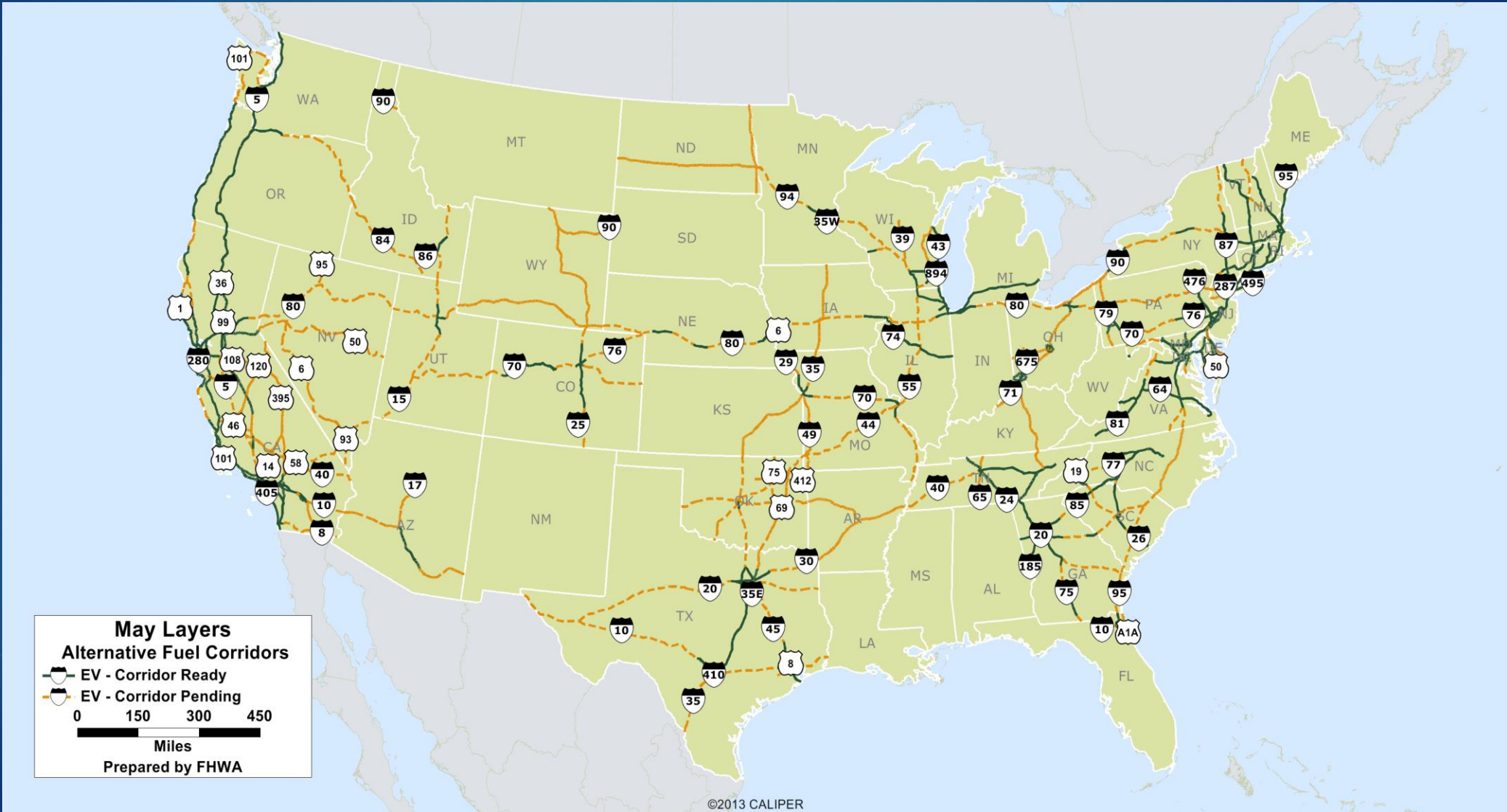
Combined Results

- 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)

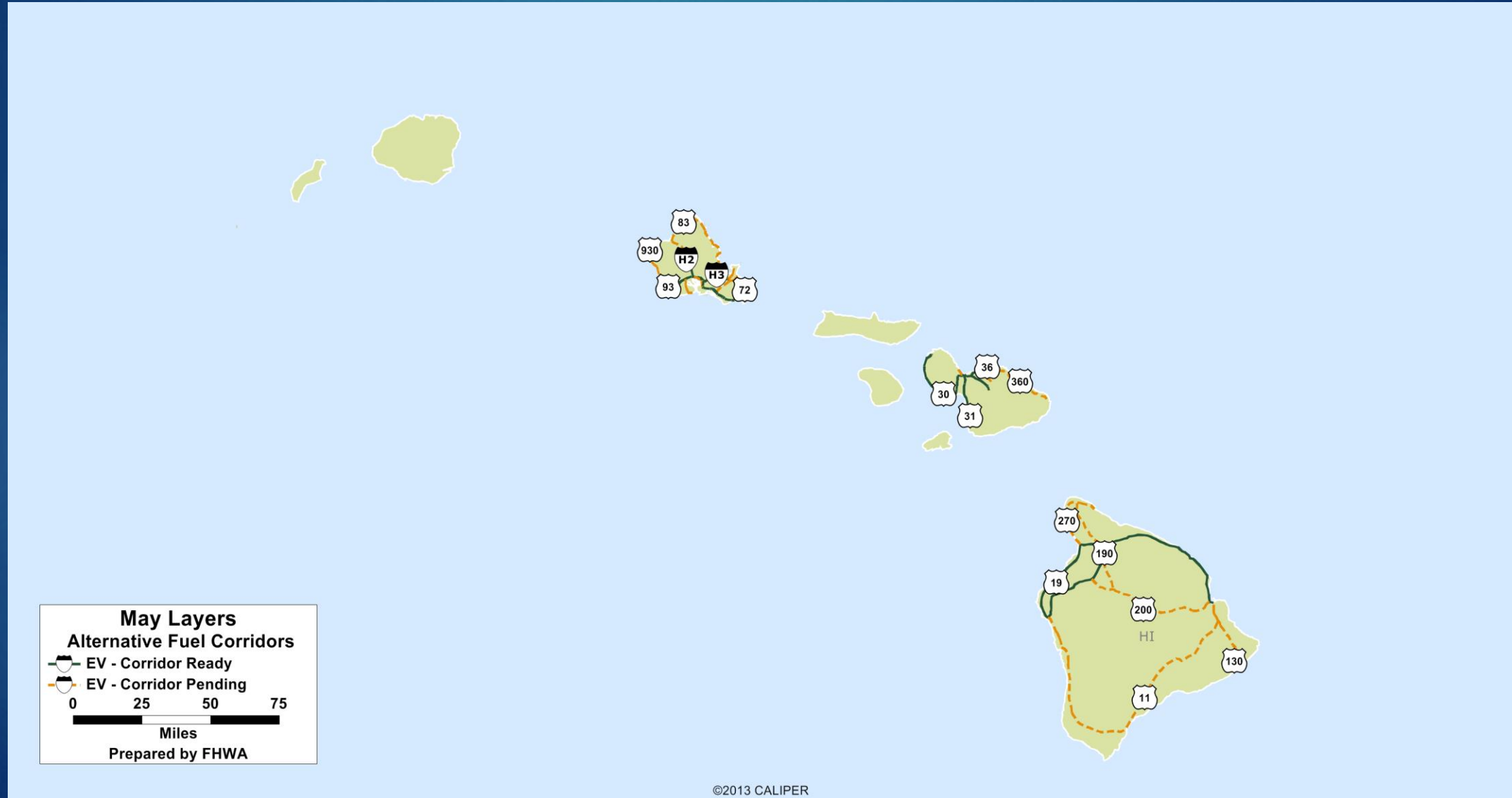
Corridor-Ready Criteria

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

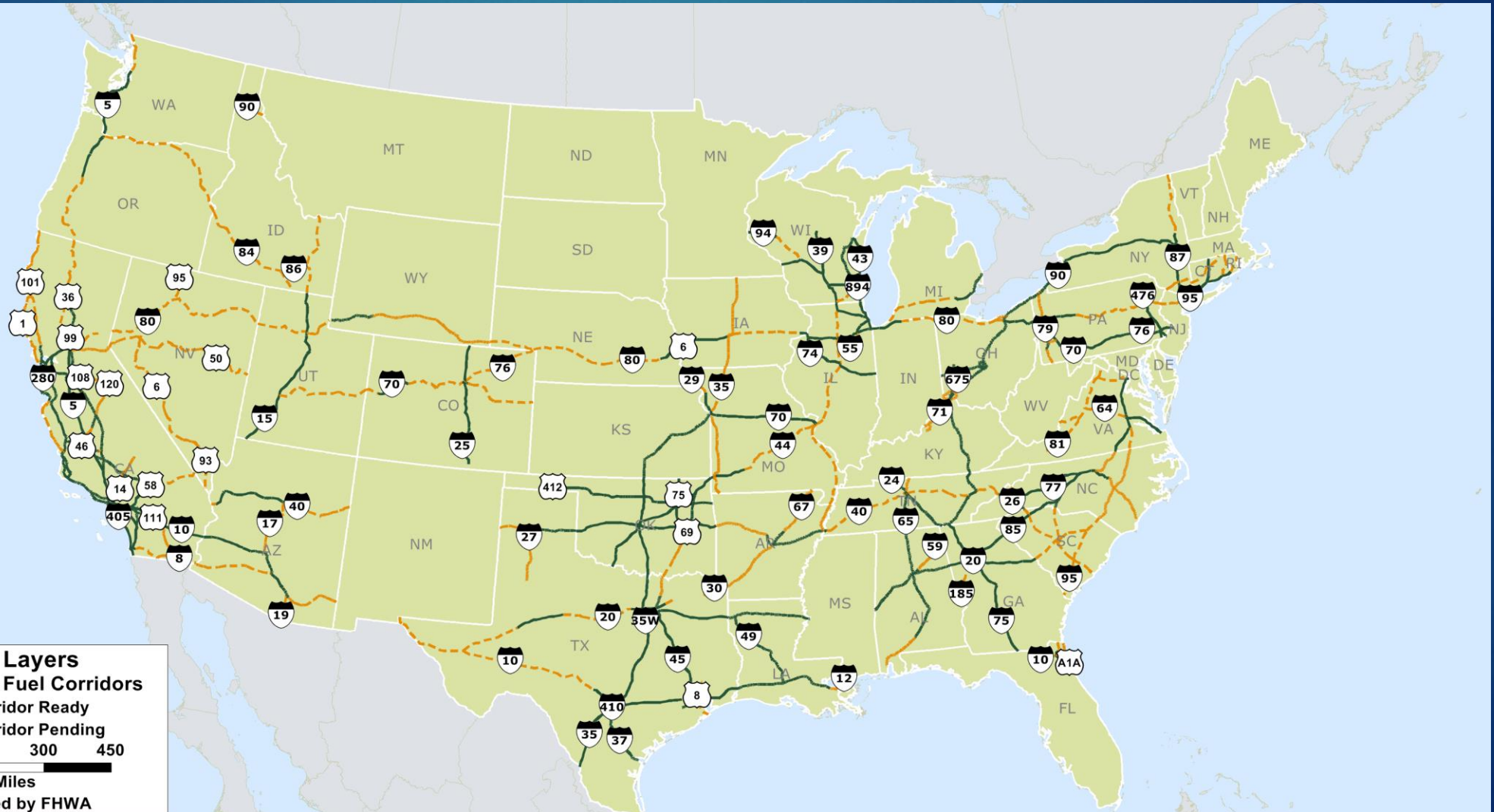
Rounds 1 & 2 EV Map – Corridor Ready and Pending



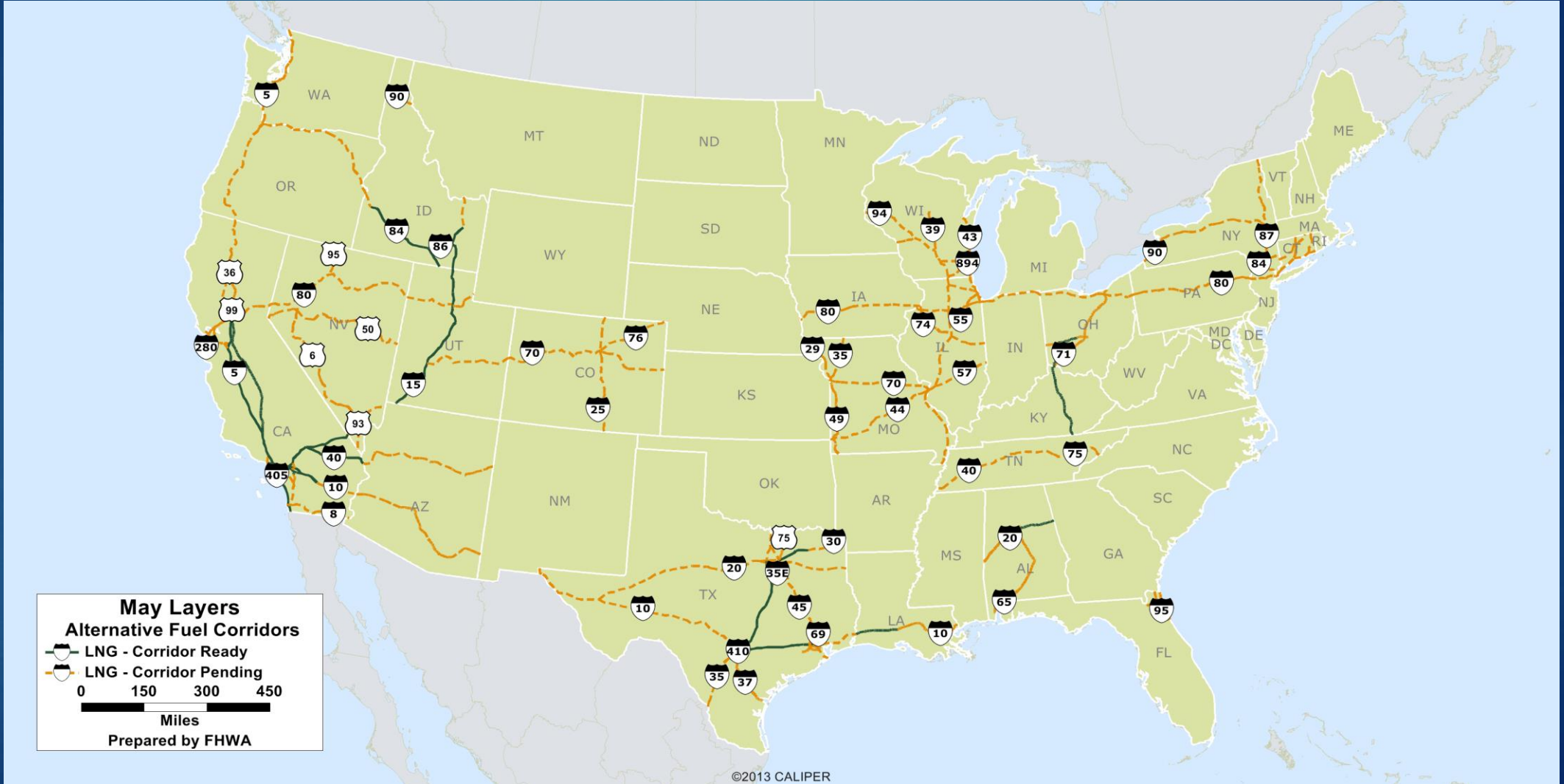
Rounds 1 & 2 EV Map for HI - Corridor Ready and Pending



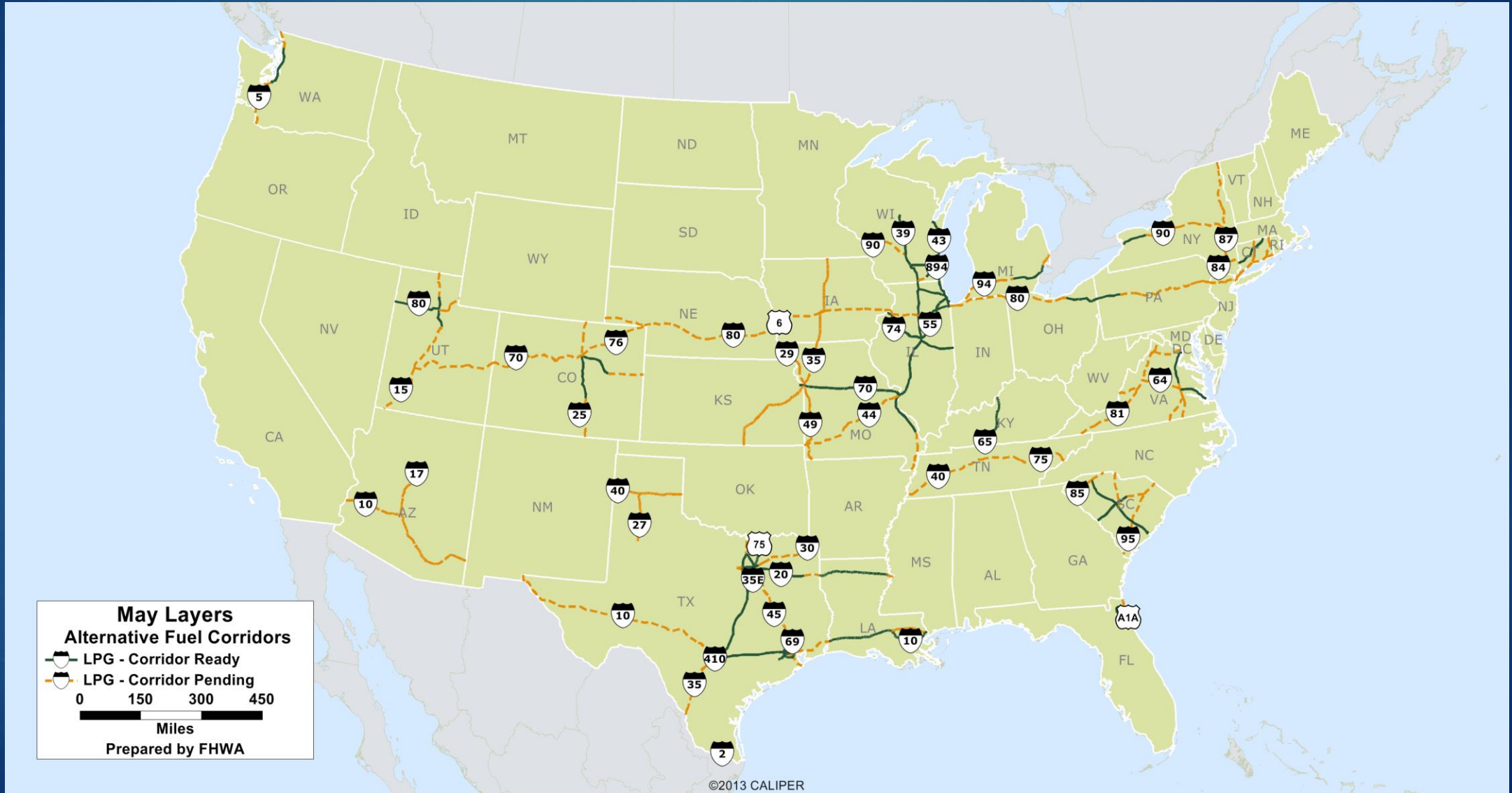
Rounds 1 & 2 CNG Map – Corridor Ready and Pending



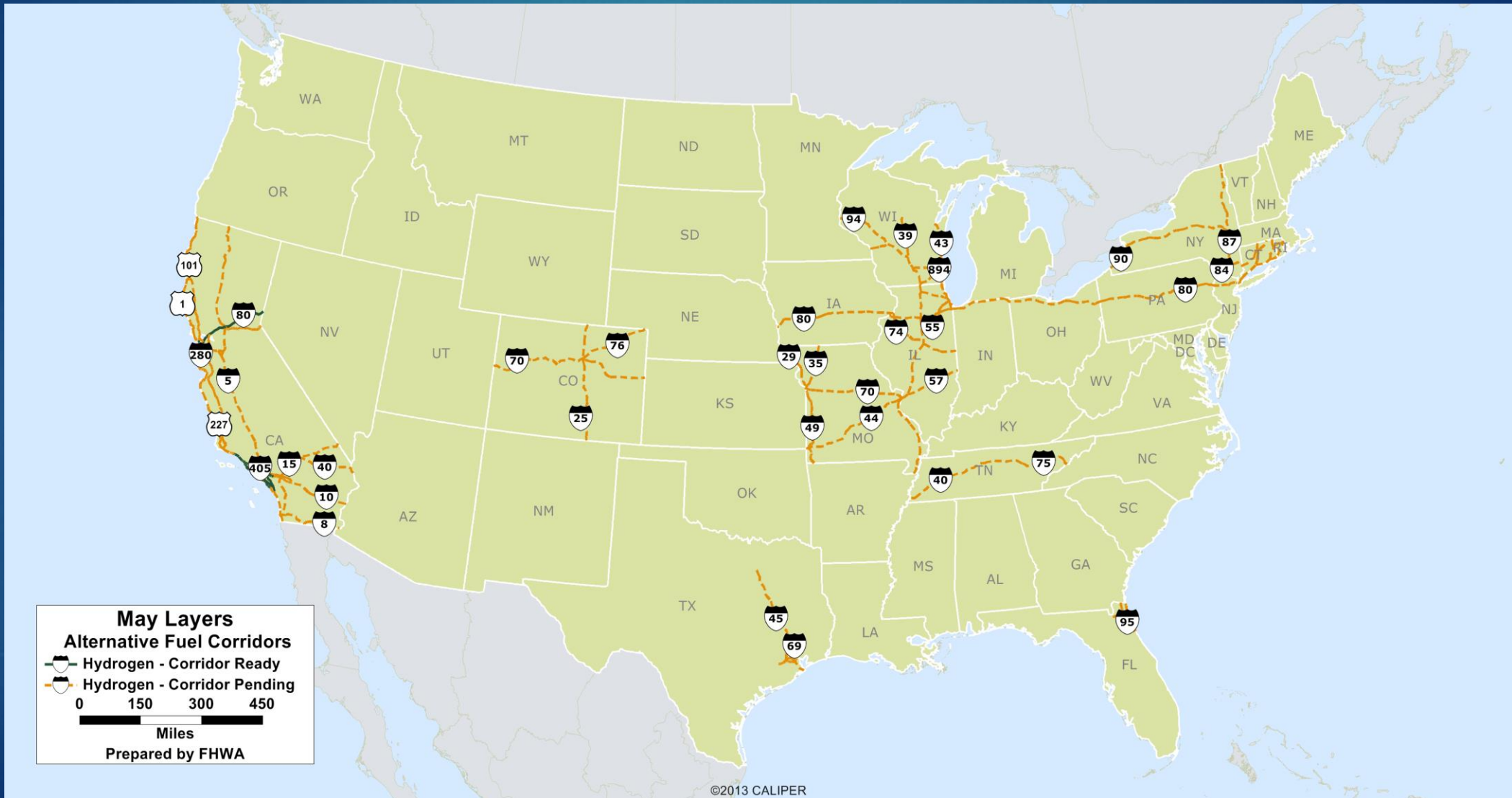
Rounds 1 & 2 LNG Map – Corridor Ready and Pending



Rounds 1 & 2 LPG Map – Corridor Ready and Pending

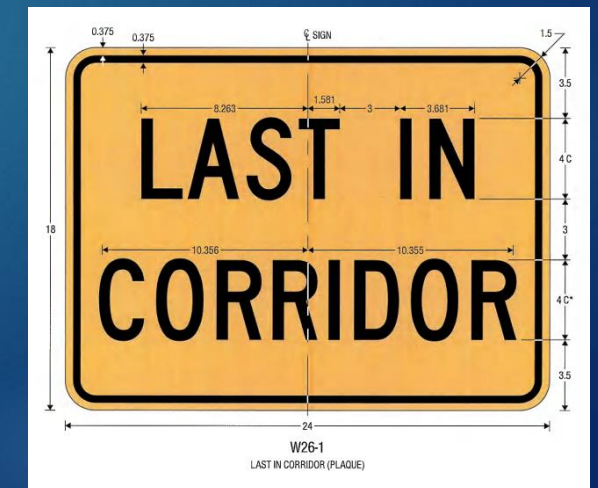
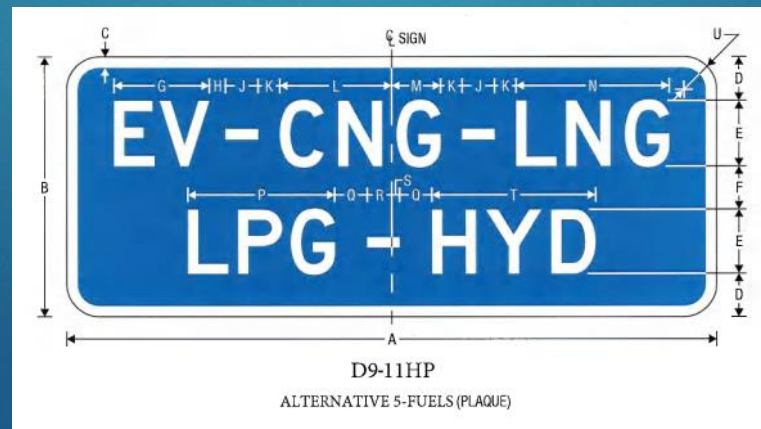
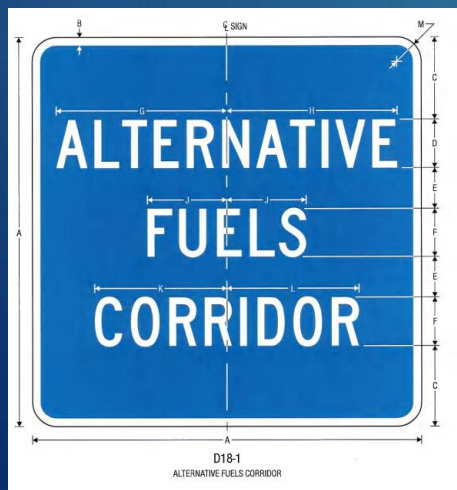


Rounds 1 & 2 HYD Map – Corridor Ready and Pending



Highway Signage

- MUTCD Memorandum – Signing for Designated Corridors
 - ✓ Provides guidance to State DOTs
 - ✓ First corridor signs installed on I-94 and I-26
 - ✓ Some questions remain on General Service & Specific Service exit signage
 - ✓ FHWA developed FAQs to address commonly asked questions (see AFC website)



First Corridor Signs Installed



I-26 (South Carolina)

I-94 (Minnesota)



Next Steps



- Implement 5 Regional AFC Convening's in 2018/2019
 - ✓ Working with states/stakeholders in priority areas to prepare for future round of nominations
 - Midwest – Minneapolis, June 12, 2018
 - Southeast – Charleston, SC, Sept. 24, 2018
 - NE/Mid-Atlantic
 - Western States – EV MOU
 - ✓ Preparing for Round 3 nomination process

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/>