Alternative Fuel Corridors

DOE HYDROGEN AND FUEL CELLS PROGRAM ANNUAL MERIT REVIEW AND PEER EVALUATION MEETING

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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

- 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

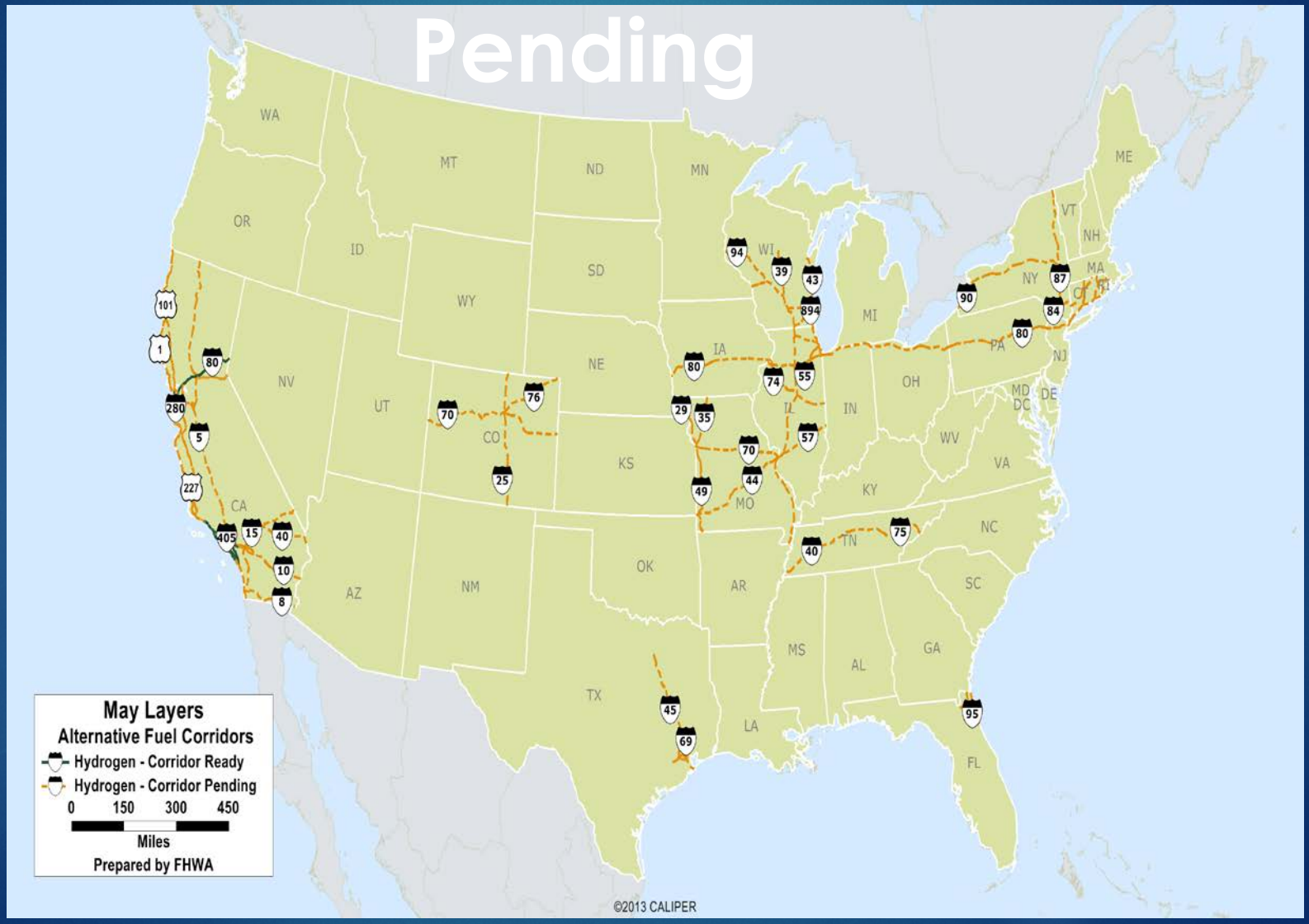
Combined Results

- 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	5 miles from highway
5 miles from highway	Public stations only	Public stations only	Public stations only	Public stations only
Public stations only *(no Tesla)*	Fast fill, 3,600 psi			Primary stations only

Rounds 1 & 2 HYD Map – Corridor Ready and Pending



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, MN May/June 2018
    - Southeast – Charleston, SC, Sept. 2018
    - NE/Mid-Atlantic
    - Western States – EV MOU
    - ……

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/