

# FHWA Alternative Fuels Corridor

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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

# Round 5 Fuel Criteria

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## EV

DCFC only  
(CHAdeMO +  
CCS)

50 miles  
between  
stations

5 miles from  
highway

Public stations  
only (no Tesla)

## CNG

150 miles  
between  
stations

5 miles from  
highway

Public  
stations only

Fast fill, 3,600  
psi

## LNG

200 miles  
between  
stations

5 miles from  
highway

Public  
stations only

## Hydrogen

100 miles  
between  
stations

5 miles from  
highway

Public  
stations only

## Propane

150 miles  
between  
stations

5 miles from  
highway

Public  
stations only

Primary  
stations only

# Round 5 (2020) Request for Nominations

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- Last RFN under the FAST Act
- Issued on October 28, 2020
- Distributed through FHWA Division Offices
- Nominations due on February 24, 2021
- Designations made in spring 2021
- No changes in fuel criteria

- [https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/resources/rfn5.cfm](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/resources/rfn5.cfm)

# Combined Results Rounds 1-5

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- ▶ Designations....
  - ✓ **125** nominations
  - ✓ Includes portions/segments of **134** Interstates, along with **125** US highways/state roads
  - ✓ Comprise **49 states plus D.C.**
  - ✓ Covers **approximately 165,772** miles of the National Highway System (all fuels combined)

# Rounds 1-5

ROUNDS	REQUEST FOR NOMINATIONS (DATE ISSUED)	NOMINATIONS RECEIVED	INTERSTATES DESIGNATED <sup>b</sup>	US & STATE HIGHWAYS DESIGNATED	NUMBER OF STATES <sup>c</sup>	NHS MILEAGE COVERED <sup>d</sup>
1	July 2016 <sup>a</sup>	34	56	19	36	86,266
2	September 2017 <sup>e</sup>	24	28	25	8	22,665
3	October 2018 <sup>e</sup>	21	16	32	2	16,235
4	October 2019 <sup>e</sup>	21	19	24	3	20,056
5	October 2020 <sup>e</sup>	25	15	25	-	20,550
<b>TOTAL</b>		<b><u>125</u></b>	<b><u>134</u></b>	<b><u>125</u></b>	<b><u>49+DC</u></b>	<b><u>165,772</u></b>

<sup>a</sup> 81 FR 47852 (July 22, 2016), available at: <https://www.gpo.gov/fdsys/pkg/FR-2016-07-22/pdf/FR-2016-07-22.pdf>

<sup>b</sup> Represents segments/portions of Interstates

<sup>c</sup> Plus the District of Columbia

<sup>d</sup> Includes some double counting for multiple fuel corridor segments

<sup>e</sup> Distributed through FHWA Division Offices

# Mileage Stats by Fuel Type

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ROUNDS 1 - 5			
FUEL TYPE	READY	PENDING	TOTAL
EV	22,629 (10%)*	36,351 (16.5%)	58,980 (27%)
CNG	22,213 (10%)	19,737 (9%)	41,949 (19%)
LNG	3,219	18,164	21,383
LPG	17,542	12,844	30,385
HY	879	12,196	13,075
TOTAL	66,481	99,291	165,772

\* Percentage of NHS covered

# April 22, 2021 White House Announcement



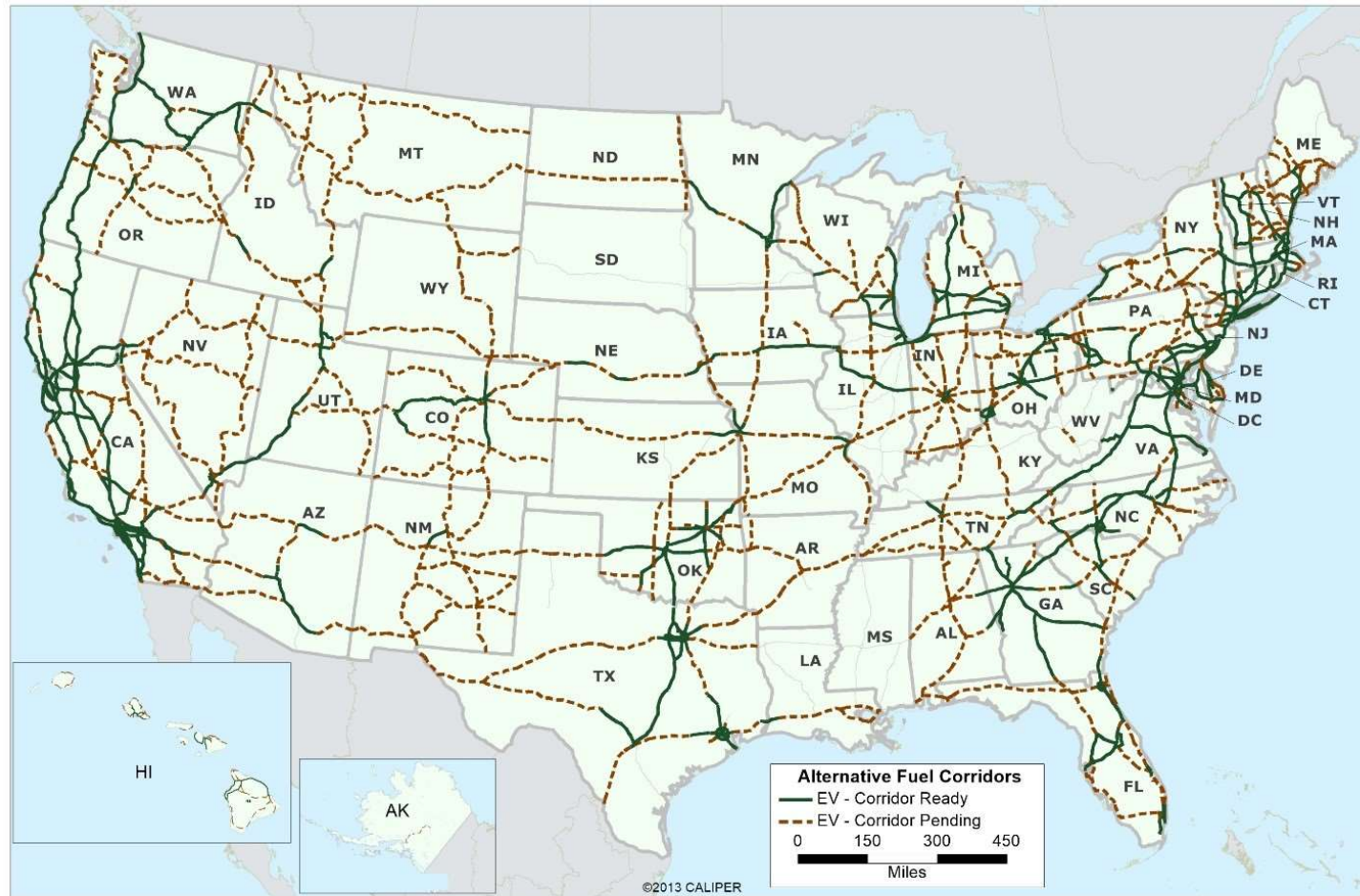
<https://www.whitehouse.gov/briefing-room/statements-releases/2021/04/22/fact-sheet-biden-administration-advances-electric-vehicle-charging-infrastructure/>

## FACT SHEET: Biden Administration Advances Electric Vehicle Charging Infrastructure

APRIL 22, 2021 • STATEMENTS AND RELEASES

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'FACT SHEET: Bi...'. The address bar shows the URL 'whitehouse.gov/briefing-room/statements-releases/2021/04/22/fact-sheet-biden-administration-advances-electric-vehicle-c...'. The page header includes 'THE WHITE HOUSE' and the White House seal. Below the seal is the text 'BRIEFING ROOM'. The main content area features the title 'FACT SHEET: Biden Administration Advances Electric Vehicle Charging Infrastructure' in large, bold, dark blue font. Below the title is the date and category 'APRIL 22, 2021 • STATEMENTS AND RELEASES'. At the bottom of the browser window, there is a taskbar with various application icons and a system clock showing '11:26 AM 4/24/2021'.





# Miscellaneous Updates

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- The AFC team has been working with the Administration regarding how the corridor work fits into the 500,000 charger deployment goal
  - Coordinating responses with DOE & the National Labs
  - Anticipate this will be one of the deployment/infrastructure development priorities for the next 4 years
- MUTCD NPA – FHWA reviewing comments
- FHWA released a document that will list all existing funding programs that include eligibility for AFC stations/chargers- *Federal Funding is Available For Electric Vehicle Charging Infrastructure On the National Highway System*:  
[https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/resources/e\\_v\\_funding\\_report\\_2021.pdf](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/resources/e_v_funding_report_2021.pdf)



# 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/](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](https://mutcd.fhwa.dot.gov/resources/policy/alt_fuel_corridors/index.htm)

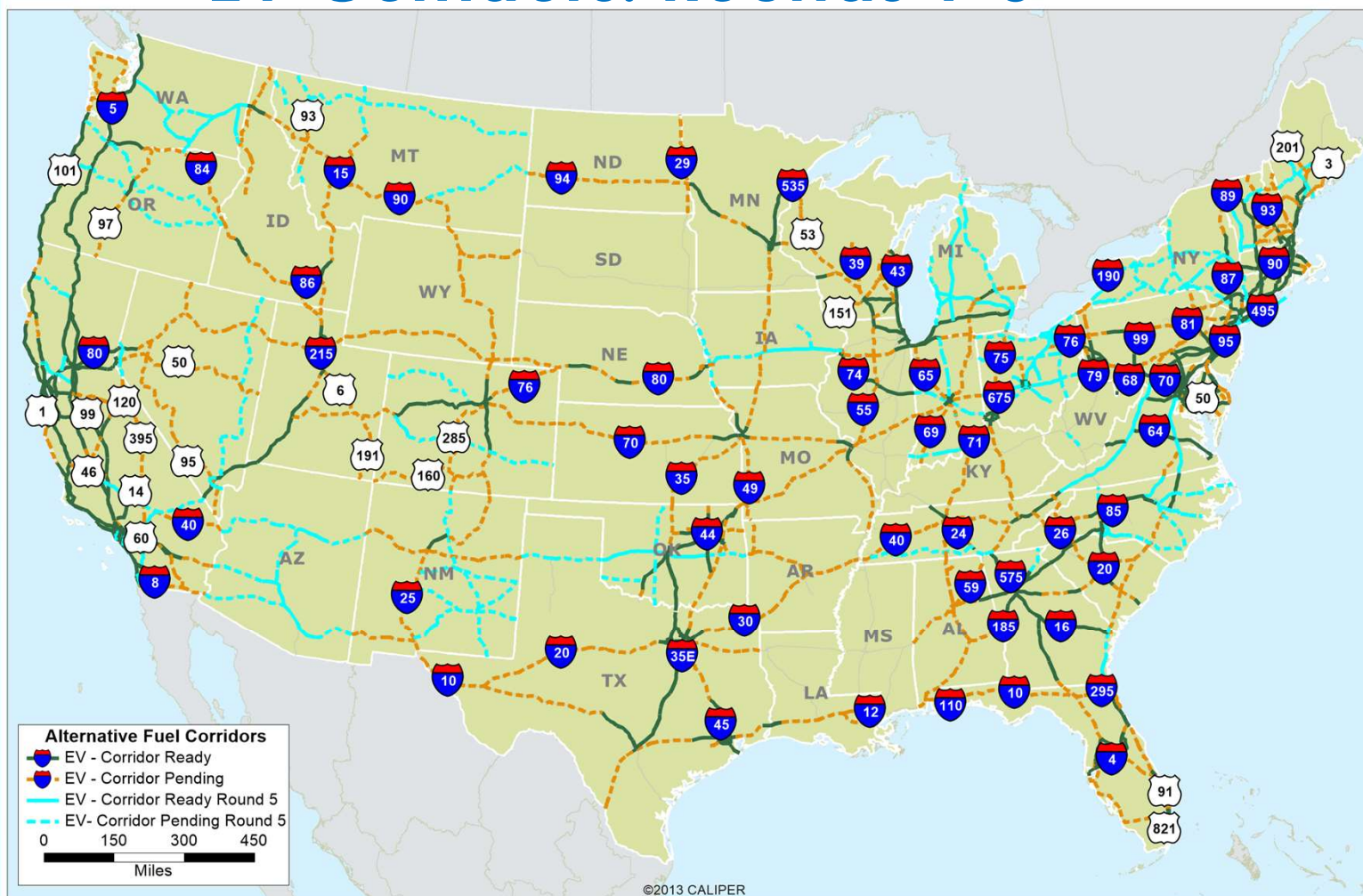
DOE/NREL Alternative Fueling Station Locator:

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



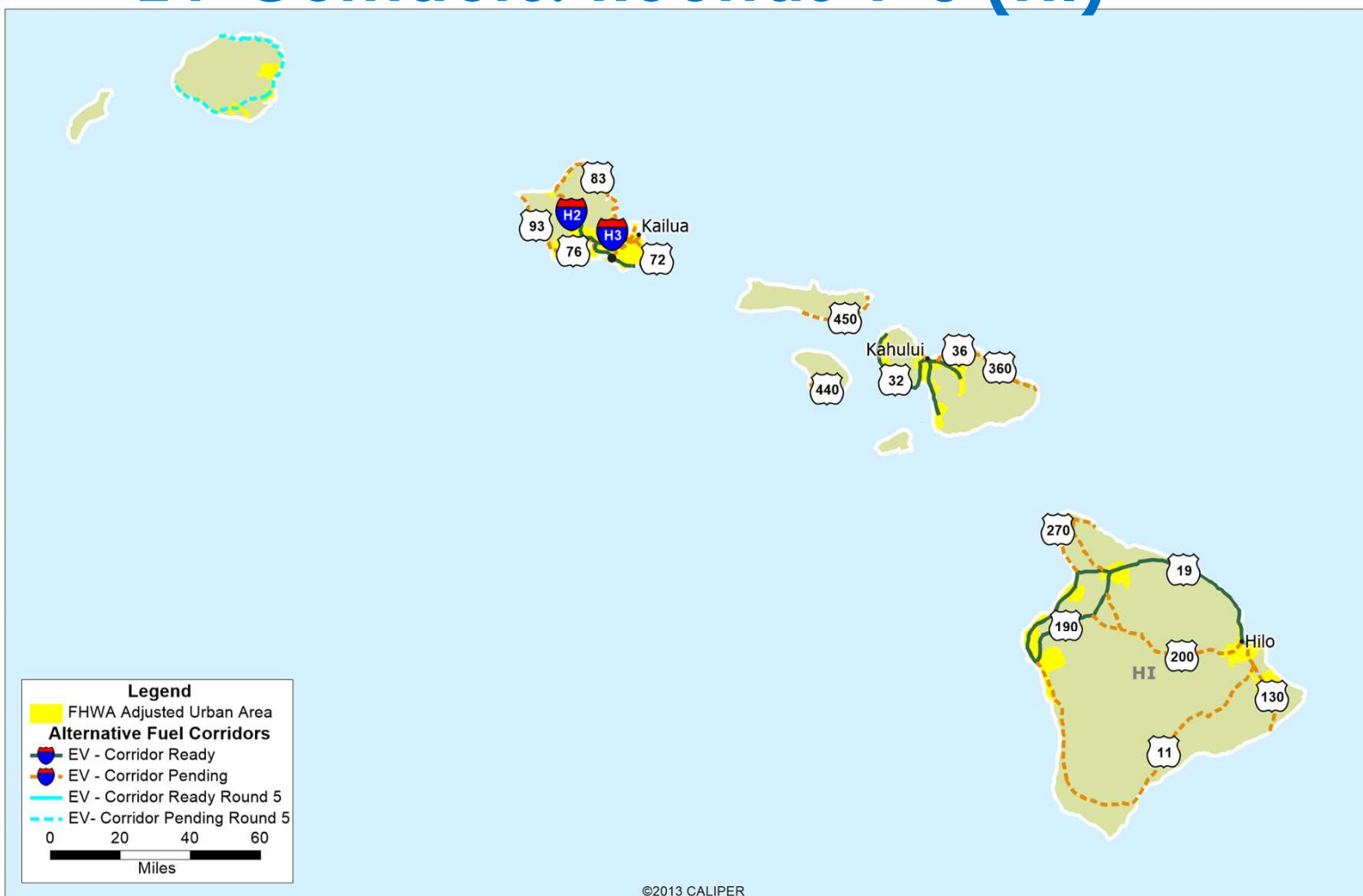
# EV Corridors: Rounds 1-5

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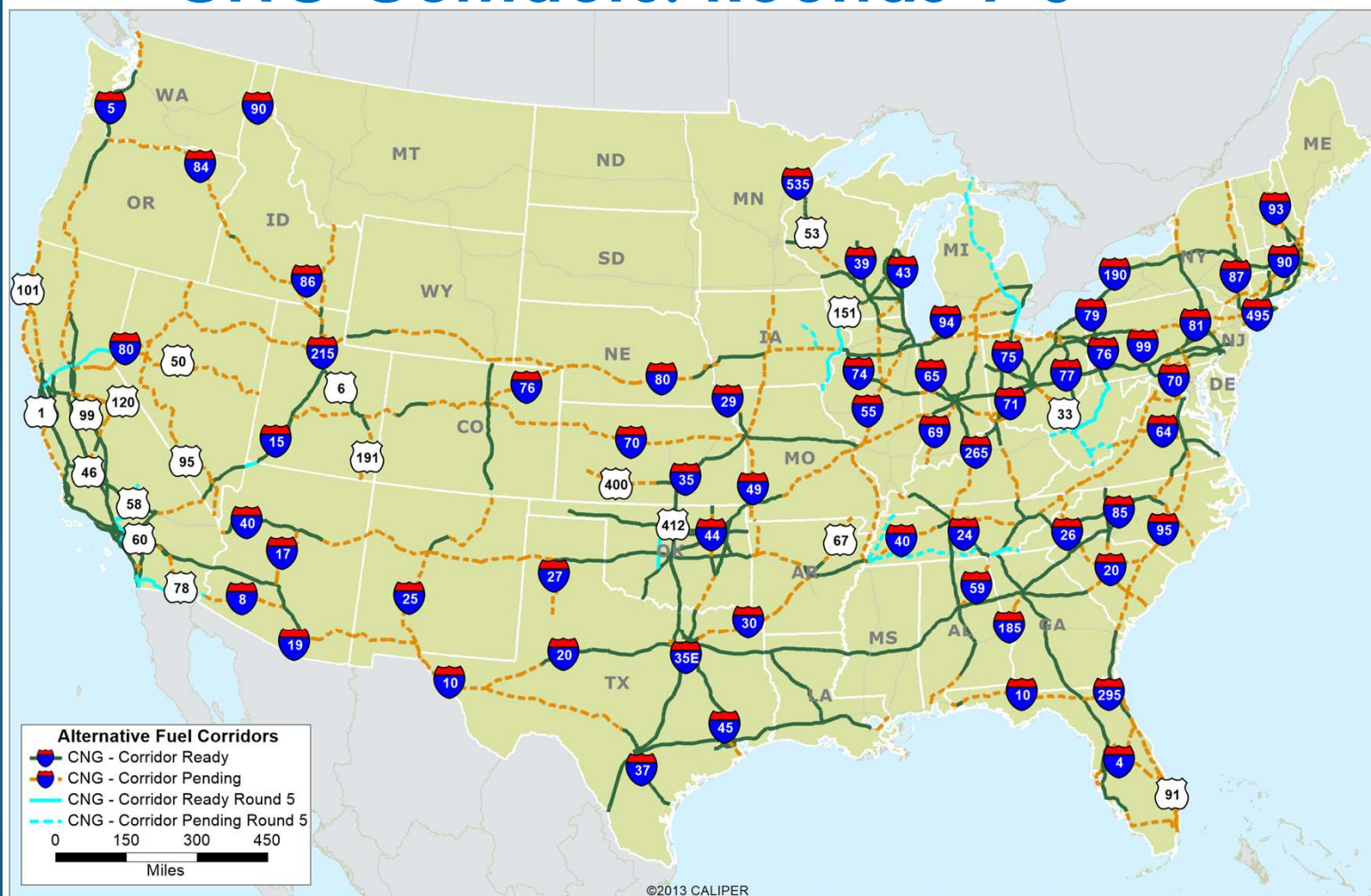
# EV Corridors: Rounds 1-5 (HI)

13



# CNG Corridors: Rounds 1-5

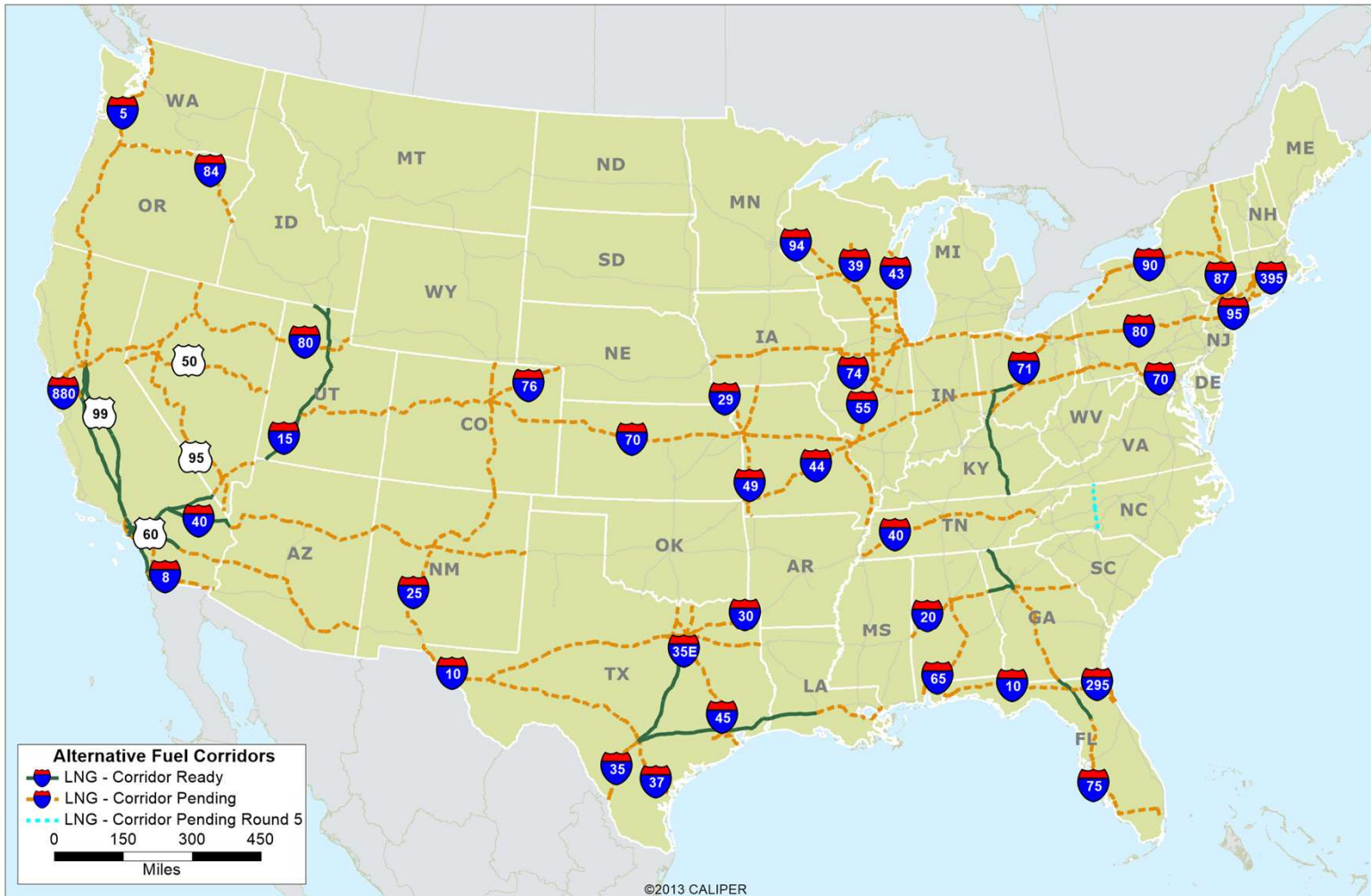
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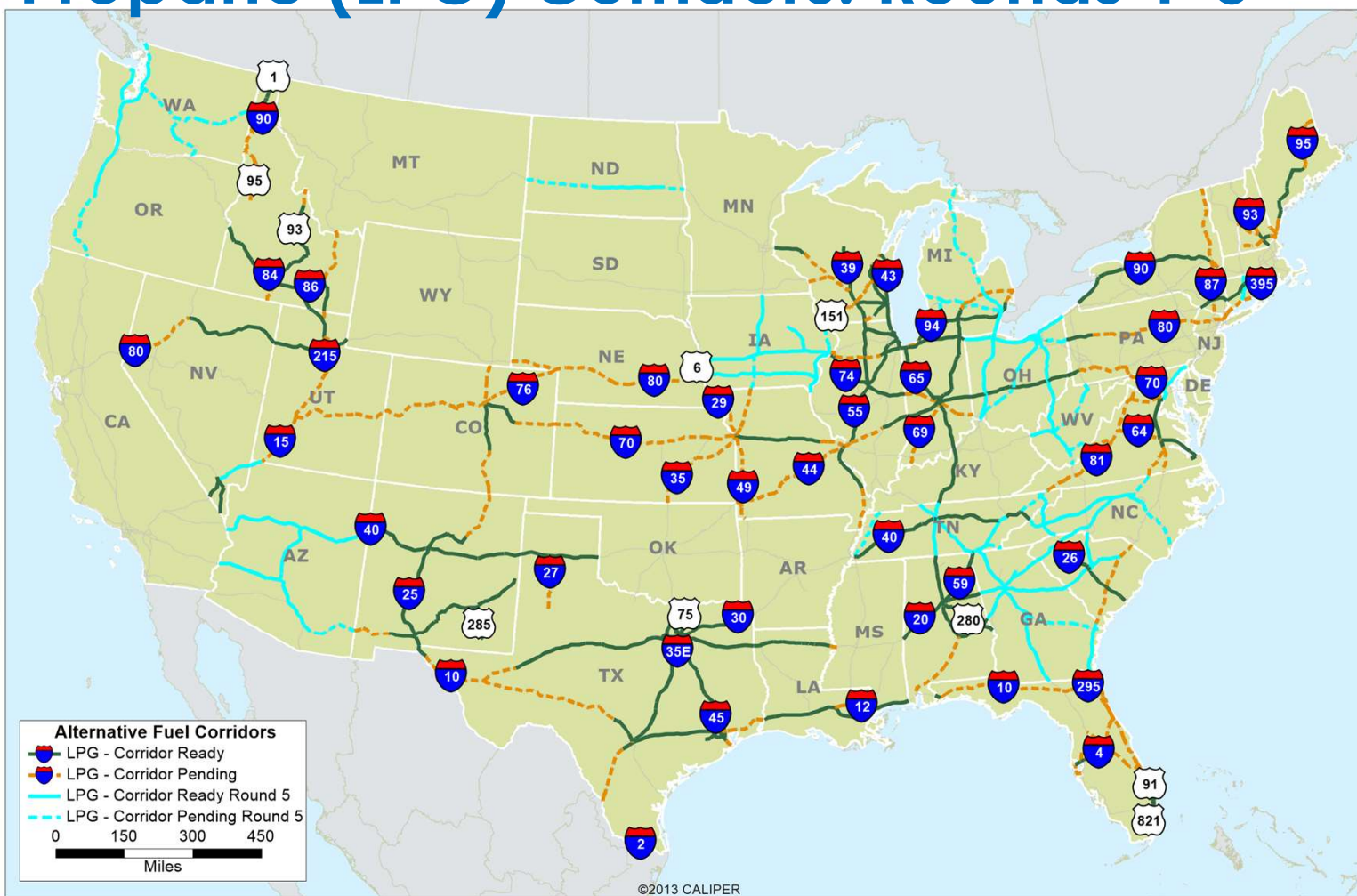
# LNG Corridors: Rounds 1-5

15



# Propane (LPG) Corridors: Rounds 1-5

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# Hydrogen Corridors: Rounds 1-5

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