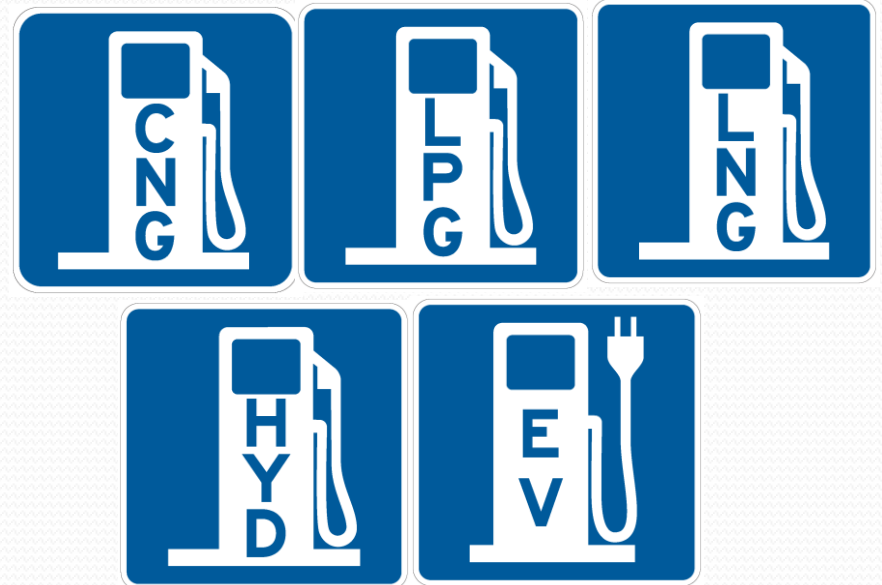


# **FAST Act - Section 1413: Alternative Fuels Corridor Designations**





# Alternative Fuels Corridor Designations

- The Secretary is required to designate corridors to improve mobility of passenger and commercial vehicles that employ electric vehicle charging, hydrogen, propane, and natural gas fueling technologies across the U.S. within one year of enactment (Dec. 2016):
  - ✓ Identify near and long-term need for infrastructure;
  - ✓ At strategic locations along major national highways;
- Solicit nominations from state and local officials;
- Incorporate existing infrastructure (demand and location)
- Stakeholder involvement (on a voluntary basis)
- No funding authorized

# Results of 1<sup>st</sup> Round

- 34 nomination packages received, with nominated corridors separated into two designation categories:
  - ✓ **Signage-ready** – sufficient facilities on the corridor to warrant highway signage;
  - ✓ **Signage-pending** – currently insufficient facilities on the corridor to warrant highway signage.
- Designations....
  - ✓ Include portions/segments of 55 Interstates and a few state roads/highways
  - ✓ Comprise 35 states plus D.C.
  - ✓ Cover ~85,000 miles of the National Highway System
- This initial phase focused on interstate highway designations (many state highways and roads were nominated)
- Decisions based on DOE's *Alternative Fuel Station Locator* database.

# “Signage-Ready” Criteria for 2017 Nominations

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	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

# 2017 Request for Nominations

## ■ Process

- Defined in FHWA Request for Nominations (RFN) notice (released Sept. 22, 2017)
- Distributed through **FHWA Division Offices**
- Provides ability to nominate new corridors or add fuel types to existing corridors
- Due date is November 30, 2017

## ■ Request for Nominations Posted on AFC website at:

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

# 2017 Request for Nominations (cont.)

- Can be submitted by ANY state or local official.
- Focus is on **Interstate highways** but allows for a compelling case to be made for other highways
- **State DOT** with jurisdiction over corridor must be aware and supportive of nomination
- **Multi-state and regional** applications/approaches are encouraged
- A **plan for signage** on the corridor is required
- **GIS Shapefile** information
  - ✓ Should be available from your State DOT
  - ✓ Additional guidance in RFN

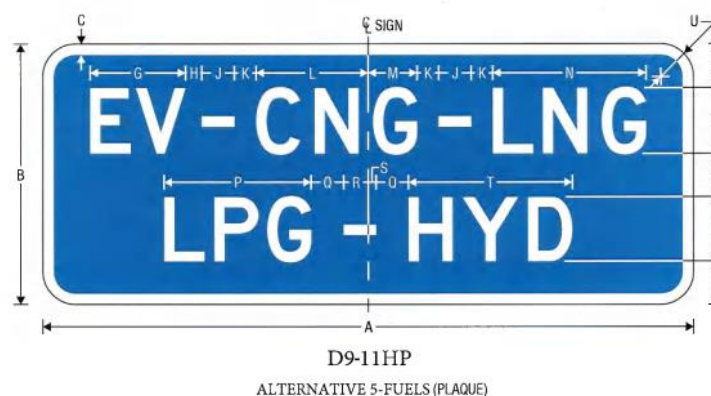
# 2017 Request for Nominations (cont.)

- **Signage-ready** corridors should have 2-3 stations and be at least 150 miles in length – or entire length of corridor in a State, if less (final classifications will be made on a case-by-case basis)
- **Signage-pending** corridors – if no facilities, then must submit a plan/timeline for build-out
- EV corridor nominations – encourages coordination with **Electrify America** on targeted Interstates
- **Public and private sector coordination** – working with state and local agencies, Clean Cities Coordinators, and other stakeholders
- Coordinate with **state freight plans and/or long-range transportation plans**



# 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 additional guidance (FAQs)





# First Corridor Signs Installed



I-26 (South Carolina)

I-94 (Minnesota)

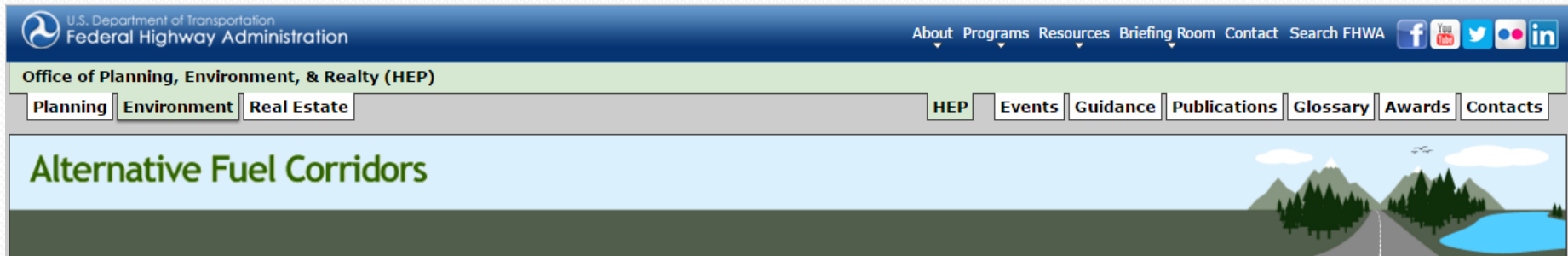


# Other Alternative Fuel Corridor Resources

- A set of **Frequently Asked Questions** has been developed and posted on the AFC web site.
  - ✓ Covers both the designation process and signage related questions
- **Alternative Fuels “Toolkit”** – Tools for state and local agencies to help accelerate alternative fuel vehicle and infrastructure deployment: <http://altfueltoolkit.org/>
- Development & Implementation of **5 Regional Alternative Fuel Convening's** in 2018/2019



# AFC Website



[http://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/](http://www.fhwa.dot.gov/environment/alternative_fuel_corridors/)

- Frequently Asked Questions
- Interactive GIS maps for each fuel
- List of State DOT signage contacts
- MUTCD Memorandum – Signing for Designated Alternative Fuel Corridors
- “Sign Up” for Alternative Fuel Corridors Updates

# For More Information

## DOT Alt Fuel Corridor Team Contact Information

### **Diane Turchetta**

U.S. Department of Transportation  
Federal Highway Administration  
202-493-0158

[diane.turchetta@dot.gov](mailto:diane.turchetta@dot.gov)

### **Mike Scarpino**

U.S. Department of Transportation  
Volpe Center  
617-494-3373

[michael.scarpino@dot.gov](mailto:michael.scarpino@dot.gov)

### **Stephen Costa**

U.S. Department of Transportation  
Volpe Center  
617-494-3852

[stephen.costa@dot.gov](mailto:stephen.costa@dot.gov)

## 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/>