Alternative Fuel Corridors

INTERMOUNTAIN WESTERN ALTERNATIVE FUEL CORRIDOR CONVENING
NOVEMBER 6, 2019
SALT LAKE CITY, UT

Diane Turchetta, U.S. Department of Transportation
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
Rounds 1-3

- Designations….
  - 79 nominations
  - Includes portions/segments of 100 Interstates, along with 76 US highways/state roads
  - Comprise 46 states plus D.C.
  - Covers over 135,000 miles of the National Highway System (all fuels combined)
### Corridor-Ready Criteria

<table>
<thead>
<tr>
<th></th>
<th>EV</th>
<th>CNG</th>
<th>LNG</th>
<th>Hydrogen</th>
<th>Propane</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCFC</td>
<td>DCFC only (CHAdemo + CCS)</td>
<td>150 miles between stations</td>
<td>200 miles between stations</td>
<td>100 miles between stations</td>
<td>150 miles between stations</td>
</tr>
<tr>
<td>Stations</td>
<td>50 miles between stations</td>
<td>5 miles from highway</td>
<td>5 miles from highway</td>
<td>5 miles from highway</td>
<td>5 miles from highway</td>
</tr>
<tr>
<td></td>
<td>5 miles from highway</td>
<td>Public stations only</td>
<td>Public stations only</td>
<td>Public stations only</td>
<td>Public stations only</td>
</tr>
<tr>
<td></td>
<td>Public stations only (no Tesla)</td>
<td>Fast fill, 3,600 psi</td>
<td>Public stations only</td>
<td>Primary stations only</td>
<td>Primary stations only</td>
</tr>
</tbody>
</table>
Highway Signage

- MUTCD Memorandum - Signing for Designated Corridors
  - Provides guidance to State DOTs
  - First corridor signs installed on I-94 and I-26
  - FHWA developed FAQs to address commonly asked questions (see AFC website)

Pictured from left, Louisiana Department of Natural Resources Secretary Tom Harris, Louisiana Department of Transportation and Development (DOTD) Secretary Shawn Wilson, Gov. John Bel Edwards and #LDQ Secretary Chuck Carr Brown.
Federal Highway Administration
Regional Alternative Fuel Corridor Convenings

- Team to hold 5 regional convenings:
  - To Date: Midwest (MN), Southeast (SC), South Central (TX), and Northeast/Mid-Atlantic (RI)
  - Next Up: Intermountain (UT) - Nov. 6, 2019

- Strengthen coordination b/w states, public and private partners
- Evaluate regional priorities & needs, programs, and resources to expand corridors
- Identify critical infrastructure gaps
- Discuss a regional strategy to promote clean vehicle adoption and corridor growth
- Foster partnership development

http://altfueltoolkit.org/regional-convenings/

4 Regional Convenings to Date

Midwest AFC
St. Paul, MN
June 12, 2018

Southeast AFC
Charleston, SC
September 25, 2018

South Central AFC
Arlington, TX
April 9, 2019

NE/Mid-Atlantic AFC
Providence, RI
July 10, 2019
Alternative Fuels Data Center

afdc.energy.gov

The premier information resource for alternative fuels and advanced vehicles
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
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:  

DOE/NREL Alternative Fueling Station Locator:  
https://www.afdc.energy.gov/locator/stations/
Rounds 1-3 EV Map - Corridor Ready & Pending
Rounds 1-3 CNG Map - Corridor Ready & Pending
Rounds 1-3 LNG Map - Corridor Ready & Pending
Rounds 1-3 LPG Map - Corridor Ready & Pending