Alternative Fuel Corridors

SOUTHEAST ALTERNATIVE FUEL CORRIDORS REGIONAL CONVENING

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

- 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)
<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Distance Between Stations</th>
<th>Distance from Highway</th>
<th>Station Access</th>
<th>Additional Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EV</strong></td>
<td>50 miles</td>
<td>5 miles</td>
<td>Public only</td>
<td>DCFC only</td>
</tr>
<tr>
<td><strong>CNG</strong></td>
<td>150 miles</td>
<td>5 miles</td>
<td>Public only</td>
<td></td>
</tr>
<tr>
<td><strong>LNG</strong></td>
<td>200 miles</td>
<td>5 miles</td>
<td>Public only</td>
<td></td>
</tr>
<tr>
<td><strong>Hydrogen</strong></td>
<td>100 miles</td>
<td>5 miles</td>
<td>Public only</td>
<td></td>
</tr>
<tr>
<td><strong>Propane</strong></td>
<td>150 miles</td>
<td>5 miles</td>
<td>Public only</td>
<td></td>
</tr>
</tbody>
</table>

- **EV**: Electric Vehicles can be charged at DCFC (Direct Current Fast Charging) stations. Stations should be located 50 miles apart and 5 miles from the highway. Public stations are preferred, but Tesla stations are not included.
- **CNG**: Compressed Natural Gas stations should be 150 miles apart and 5 miles from the highway. Public stations only are preferred.
- **LNG**: Liquid Natural Gas stations should be 200 miles apart and 5 miles from the highway. Public stations only are preferred.
- **Hydrogen**: Hydrogen stations should be 100 miles apart and 5 miles from the highway. Public stations only are preferred.
- **Propane**: Propane stations should be 150 miles apart and 5 miles from the highway. Public stations only are preferred.
FY 2018 Request for Nominations

- Anticipate issuing Round 3 request for nominations in September 2018
- Distributed through FHWA Division Offices
- Nominations due the end of January 2019
- Designations made in spring 2019
- No anticipated change in designation criteria
- Some changes in shapefile submissions
Regional Alternative Fuel Corridor Convening's

- The purpose is to help state and local agencies identify Interstate corridors that are potential candidates for designation or need additional facilities to change the designation from Corridor-Pending to Corridor-Ready.

- Representatives from states in the targeted region will be invited and multiple cross-state corridors will be discussed and analyzed for designation potential.
Regional Alternative Fuel Corridor Convening's

- Midwest – June 12 (St. Paul, MN)
- Southeast – Sept. 25 (Charleston, SC)
- REV West States – Spring/Summer 2019
- NE/Mid-Atlantic – Fall 2019
- Texas and surrounding states - 2019
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
CMAQ Funding for AFV Infrastructure

- MAP – 21: Priority for EV & CNG AFV infrastructure
- EV & CNG infrastructure may be located anywhere in a state as long as it does not compete with existing private facilities, or violate Title 23 Section 111 (placement on interstate rights-of-way for profit)
- FASTAct: Priority for CMAQ funding on designated corridors (EV & CNG)
- AFC signage is now eligible under the CMAQ Program
For More Information

DOT Alternative Fuel Corridor Team Contact Information

<table>
<thead>
<tr>
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<tbody>
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Federal Highway Administration
Volpe Center

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

Map - Corridor Ready and Pending

May Layers
Alternative Fuel Corridors
- Hydrogen - Corridor Ready
- Hydrogen - Corridor Pending

0 150 300 450 Miles
Prepared by FHWA

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