ALTERNATIVE FUEL HIGHWAY CORRIDORS

July Public Meeting Update
July 23, 2018

Bailey Muller
Air Quality Planner
AIR QUALITY EMPHASIS AREAS

- High-Emitting Vehicles/Equipment
- Low Speeds
- Idling
- Vehicle Miles of Travel
- Energy and Fuel Use
- Cold Starts
- Hard Accelerations
Section 1413 of the Fixing America’s Surface Transportation Act Through the Federal Highways Administration

**GOAL:** Establish a National Network of Alternative Fueling and Charging Infrastructure Along National Highway System Corridors to Improve Mobility of AFVs

AFV = Alternative Fuel Vehicle  
CNG = Compressed Natural Gas; LNG = Liquefied Natural Gas
Stations Must Be:

- Within 5 Miles of the Highway
- Publically Accessible

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Maximum Allowed Distance Between Stations</th>
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</thead>
<tbody>
<tr>
<td>Electric Charging (DCFC Only)</td>
<td>50 Miles</td>
</tr>
<tr>
<td>Propane</td>
<td>150 Miles</td>
</tr>
<tr>
<td>Natural Gas (CNG / LNG)</td>
<td>150 Miles / 200 Miles</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>100 Miles</td>
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</tbody>
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DCFC = DC Fast Charging Electric Vehicle Charging Infrastructure (Level I and Level II not eligible)
DESIGNATIONS: BY THE NUMBERS

ROUND 1: 2016    ROUND 2: 2017    ROUND 3: Late 2018

Over Round 1 and Round 2 of Designations:

- 58 NOMINATIONS
- 84 INTERSTATES
- 44 STATES

For a complete map of all designated alternative fuel corridors across the country:
https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/maps/
DESIGNATED CORRIDORS: SURROUNDING METRO AREAS
SIGNAGE

Types of Available Signage:
- Specific Services Signage
- General Services Signage
- Corridor Signage

[Images of various signage types, including CNG and alternative fuels]
GENERAL SERVICES SIGNAGE

TxDOT Approved Policy to Guide Signage Implementation
Will Analyze Facility Eligibility Requirements, Signage Placement, & Design

First Installation Phase Comprises 92 CNG or LNG Signs in 51 Locations

Submit Signage Requests to TRF_Signs@txdot.gov

TxDOT = Texas Department of Transportation
UPCOMING NOMINATION CYCLE

Round 3 of Additional Nominations - Late 2018

TxDOT Coordinating Submittal

Remaining Interstate System and Metro Loops
Includes IH 635 and IH 820
Willing to Include Non-Interstates if Compelling Case

NCTCOG Role

Collaborate with TxDOT and Other Regions
Provide Technical Assistance as Needed
Submit Non-Interstate Corridors for Inclusion
SEEKING FEEDBACK

1. Additional Highways That Should be Designated for One or More Fuel Types

2. Specific Locations in Which Additional Fueling Stations Can be Added Near a Highway to Close a Gap
FOR MORE INFORMATION

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