Interstate Highway 45 Zero-Emission Vehicle Corridor Plan Update

Public Input Meeting
August 10, 2020

Bethany Hyatt
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
Response To FHWA Alternative Fuel Corridors Deployment Plan Goals

FHWA Goals:

- Develop an Infrastructure Deployment Plan
- Transition Designated Corridors from “Pending” to “Ready”
- Identify Public-Private Partnerships

NCTCOG Proposal:

- Develop Electric and Hydrogen corridor along IH-45
- Expand Infrastructure Needs Suitable for Medium and Heavy-duty Electric Trucks and Buses
- Support Future Strategic Initiatives in the Corridor, such as AV Technology Deployment and Truck Platooning
Corridor Profile

290-Mile Corridor

Nearly half of truck freight in Texas is moved through this corridor.

Over 10,000 ton-miles of cargo traveled between Dallas and Houston in 2017, totally over $62.6 billion.
Current State of Electric Vehicle Supply Equipment (EVSE)

One Gap Remaining to Meet “Corridor-Ready” Status per FHWA Criteria: 111 Mile Gap from Ennis to Madisonville

For the corridor to be classified as ready, a station must be placed every 50 miles within 5 miles of IH-45.

Possible Focus Areas for Additional Sites:
1. Corsicana, Texas
2. Fairfield, Texas
3. Buffalo, Texas
4. Centerville, Texas
Current State of Hydrogen Fueling Stations

There are currently no publicly available hydrogen stations currently in Texas.

For the corridor to be classified as ready, a station must be placed every 100 miles within 5 miles of IH-45.
Through the Plan, NCTCOG Will…

- Identify best technologies suitable for vocational needs
- Identify best market development opportunities
- Develop and convene stakeholder groups including stakeholder perspectives from:
  - TxDOT
  - Utilities
  - Fleets
  - Fueling Providers
  - Consumer Interest Groups
- Solicit infrastructure needs from industry
Deliverables

Stakeholder Lists
Stakeholder Meetings
Corridor Workshops

Case Studies
May 2021

Infrastructure Deployment Plan
May 2021
Stakeholder’s Role

- **Infrastructure Development**
  - Solicit Infrastructure Needs and Criteria
  - Identify and Contact Property Owners

- **Vehicle Availability**
  - Identify Best Technologies Suitable for Vocational Needs
  - Evaluate Commercialization Status of Suitable Vehicles

- **Customer Identification**
  - Identify and Engage End-User Fleets
  - Match User Needs to Vehicle Availability

- **Policy/Incentives**
  - Identify and Prioritize Non-Monetary Policies/Incentives
  - Assess Existing and Needed Monetary Incentives
For More Information:

Bethany Hyatt
Air Quality Planner
(817) 704 5663
Bhyatt@nctcog.org

Lori Clark
Program Manager and
DFW Clean Cities Coordinator
(817) 695-9232
Lclark@nctcog.org

cleancities@nctcog.org
dfwcleancities.org/altfuelcorridors