



**MIAMI VALLEY**  
Regional Planning Commission

# Alternative Fuel Corridors





# Background

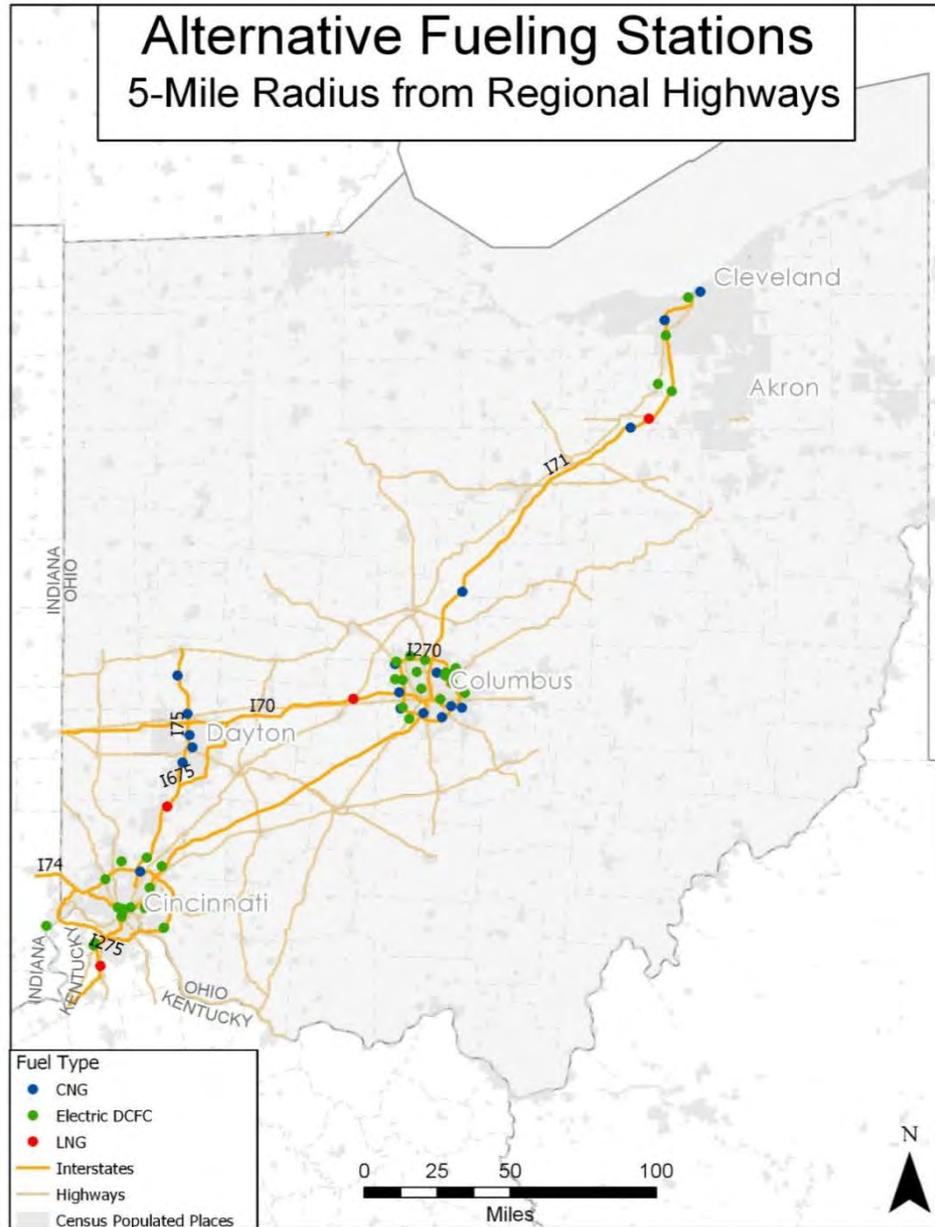
Requires the Secretary to designate national EV charging, hydrogen, propane, and natural gas fueling corridors.

FHWA seeks to create a national network of alternative fueling and charging infrastructure along National Highway System (NHS) corridors.



# Ohio's Nomination

- **Initial concept:**  
Dayton-Cincinnati-Columbus for CNG and EV
- OKI added in all of I-275, incl. IN, KY
- ODOT added in all of I-71
- KYTC added in I-75 to Lexington for LPG



## Signage Ready vs. Signage Pending

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- **Ready** means the corridor has qualified fueling stations at the required frequency:
  - EV DCFC – at least every 50 miles
  - CNG – at least every 150 miles
  - LNG – at least every 200 miles
- **Pending** means the corridor does not meet the frequency requirements, but the nominating agencies are committed to getting it to Ready status.



It's complicated.

## **Signage Ready:**

- CNG – whole designation, except I-275 & I-675
- EV DCFC – all of I-275 & I-270 and segments of I-75 & I-71
- LNG – I-75 south of Vandalia, I-70 from Vandalia to London

Everything else is **Pending**.

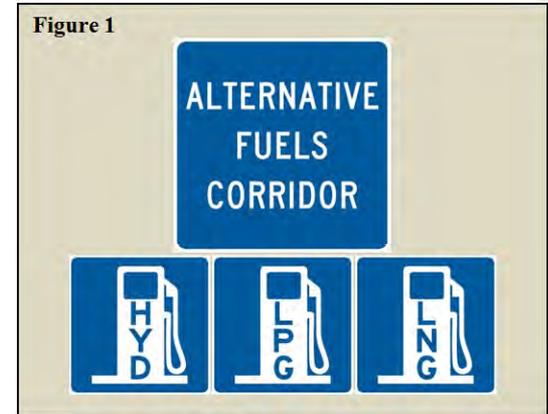




# What's Next?

## Future Steps

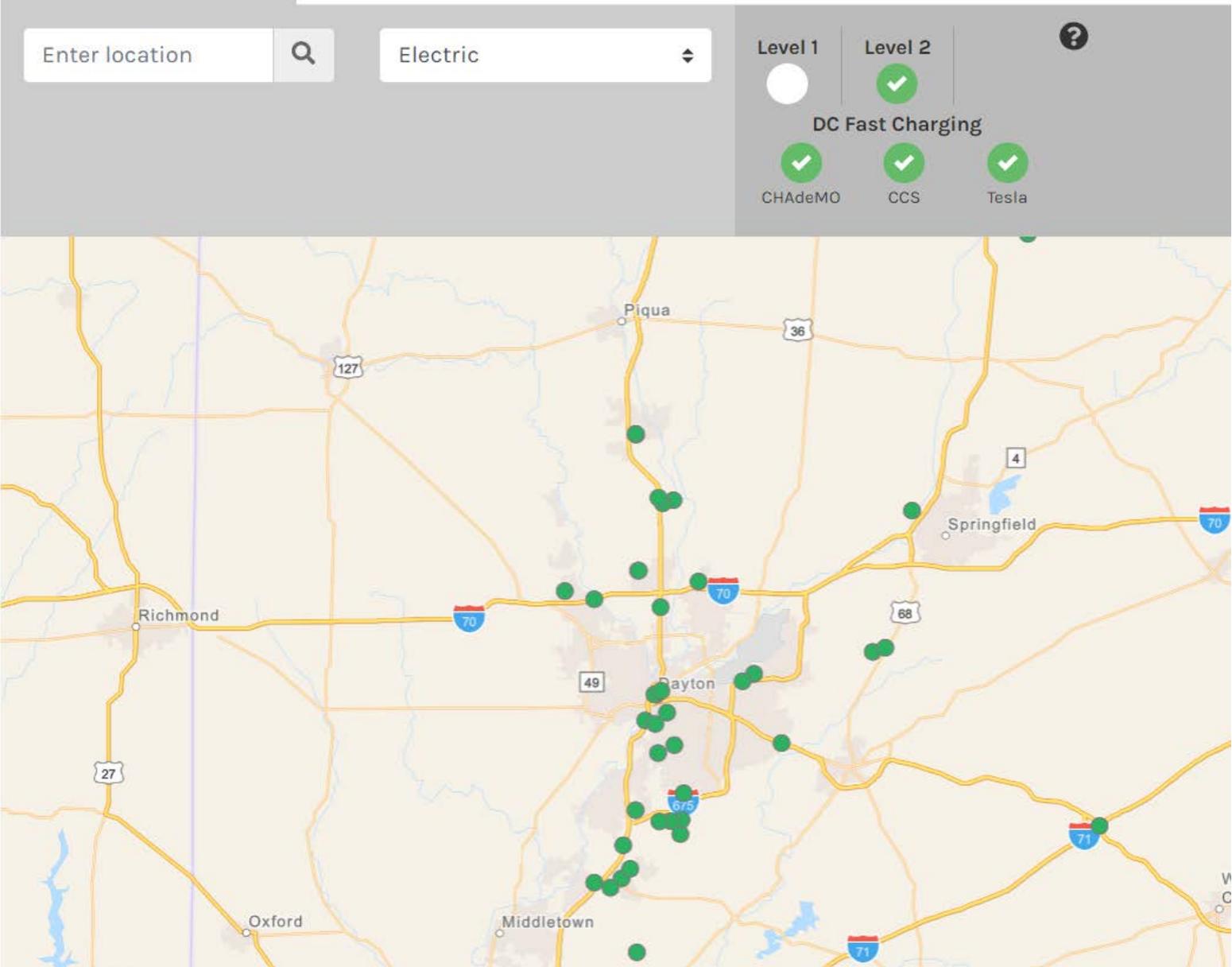
- Whole state is **Signage Ready** for CNG – future nomination
- FHWA Ohio Division has scheduled a meeting about signage – August 10



- Getting our region **Signage Ready** for DC Fast Charging.
- Major Gaps:
  - Entire Miami Valley region has no qualified DCFC (Tesla doesn't count). Minimum of three needed to meet frequency requirements
  - 50 mile frequency means we also need DCFC in Springfield, Jeffersonville
- Partner with DP&L; work closely with Ohio EPA (VW\$), monitor Electrify America; consider CMAQ opportunities.



# Our Regional Challenge



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The image shows a screenshot of an electric vehicle (EV) charging application interface. At the top, there is a search bar with the text "Enter location" and a magnifying glass icon. To the right of the search bar is a dropdown menu currently set to "Electric". Further right are two radio buttons for "Level 1" and "Level 2", with "Level 2" selected. Below these are three green checkmarks in circles, each with a label underneath: "CHAdeMO", "CCS", and "Tesla". A question mark icon is visible in the top right corner of the filter area.

The main part of the image is a map of the Dayton, Ohio region. A blue arrow points from a blue box containing the word "Tesla" to a green dot on the map, which is located on Interstate 75 near the Dayton area. A red diagonal line is drawn across the "Tesla" box, indicating that this charging option is not available or is being highlighted as a challenge.



# Our Regional Challenge



<b>Table 10: Potential DC Fast Charging Locations in the Dayton Region</b>	
<b>Location Name</b>	<b>Interstate / Exit Number</b>
Austin Landing Area	I-75 / Exit 41
Downtown Dayton Area	I-75 / Exit 52
Miller Lane Area	I-75 / Exit 59
Downtown Troy/West Main	I-75 / Exit 73/74
The Greene Area	I-675 / Exit 10
Downtown Fairborn Area	I-675 / Exit 22/24





**Thank You**