



Alternative Fuel Corridors





Background

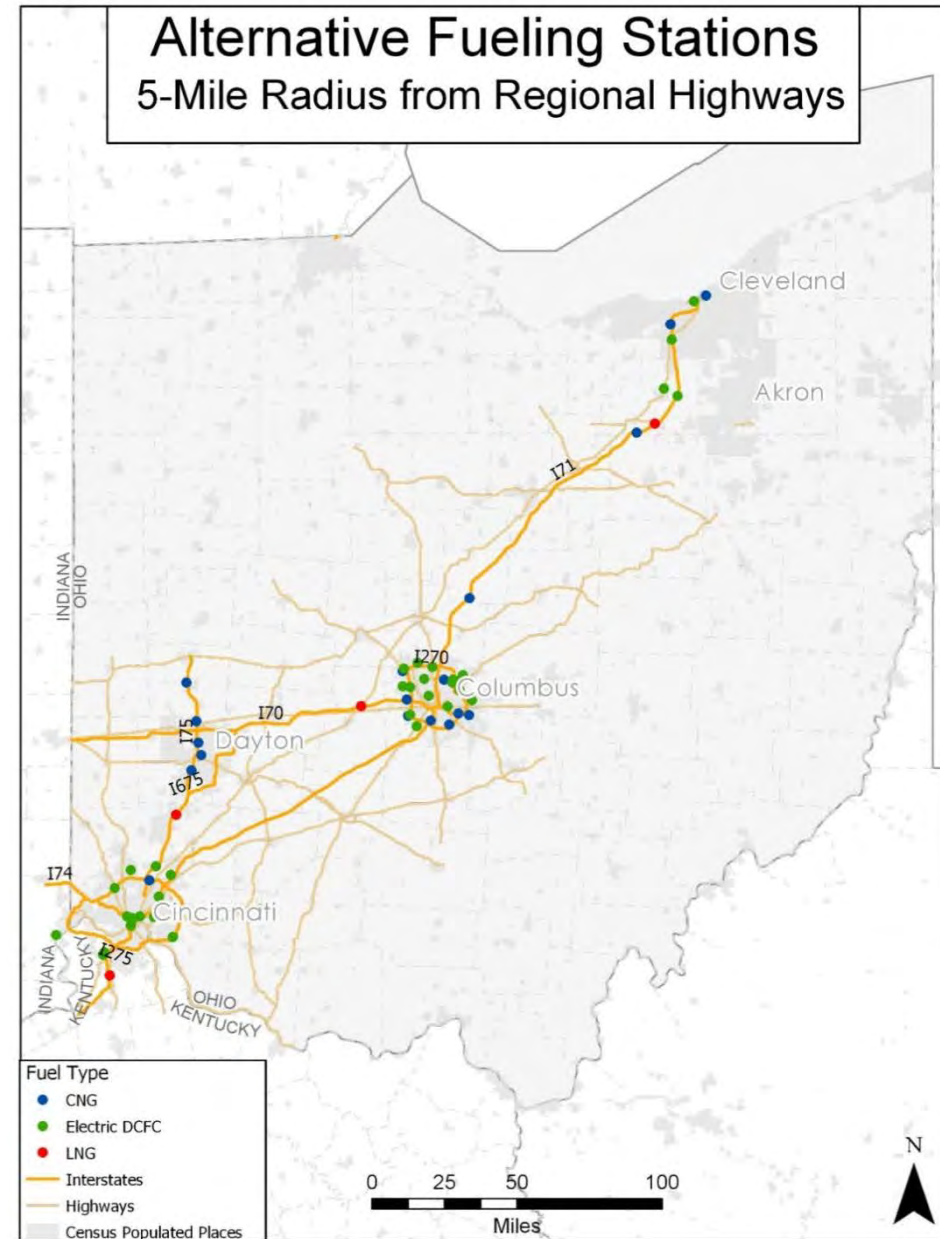
Requires the Secretary to designate national EV charging, hydrogen, propane, and natural gas fueling corridors.

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



- **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?

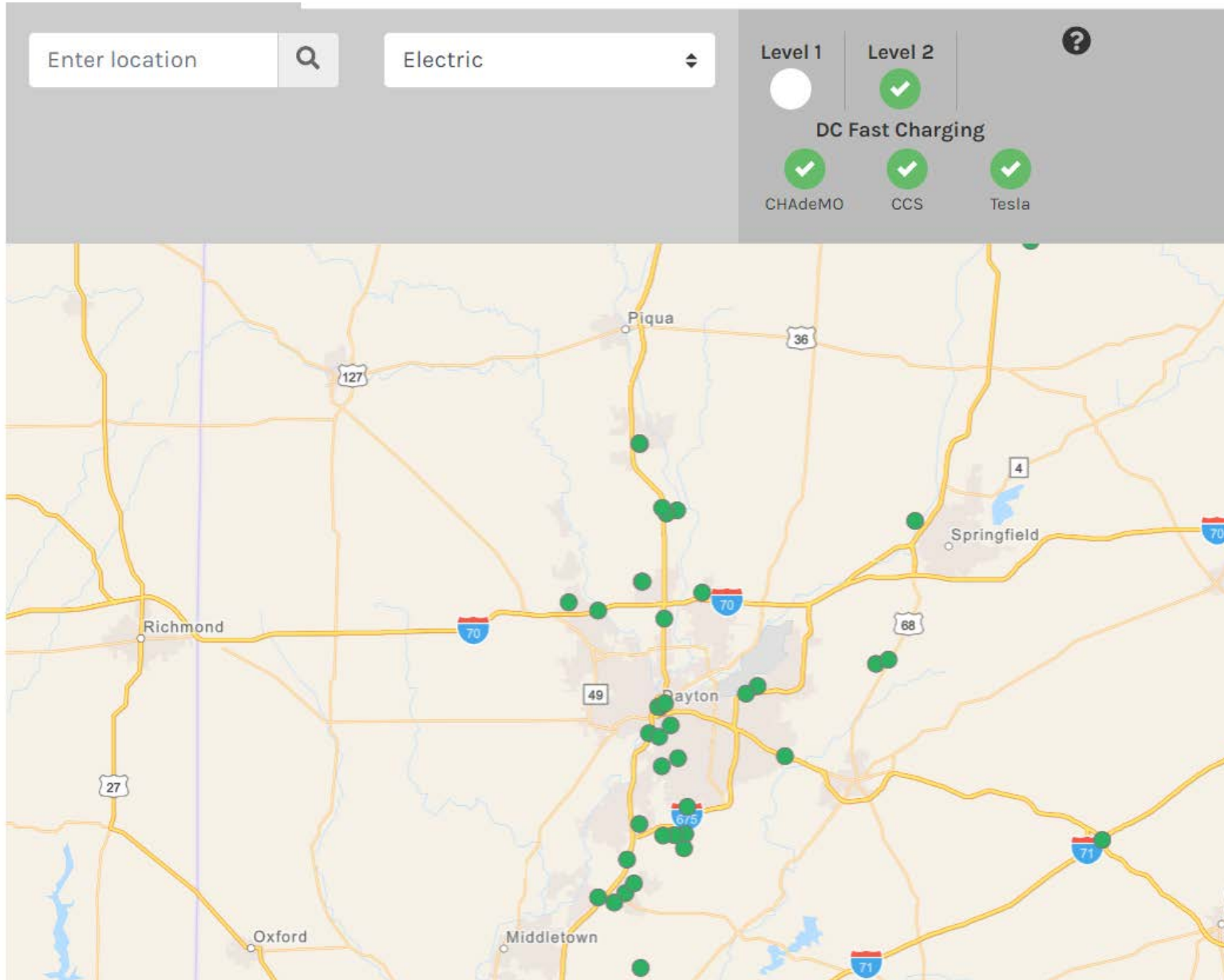
- Figure 1**
-



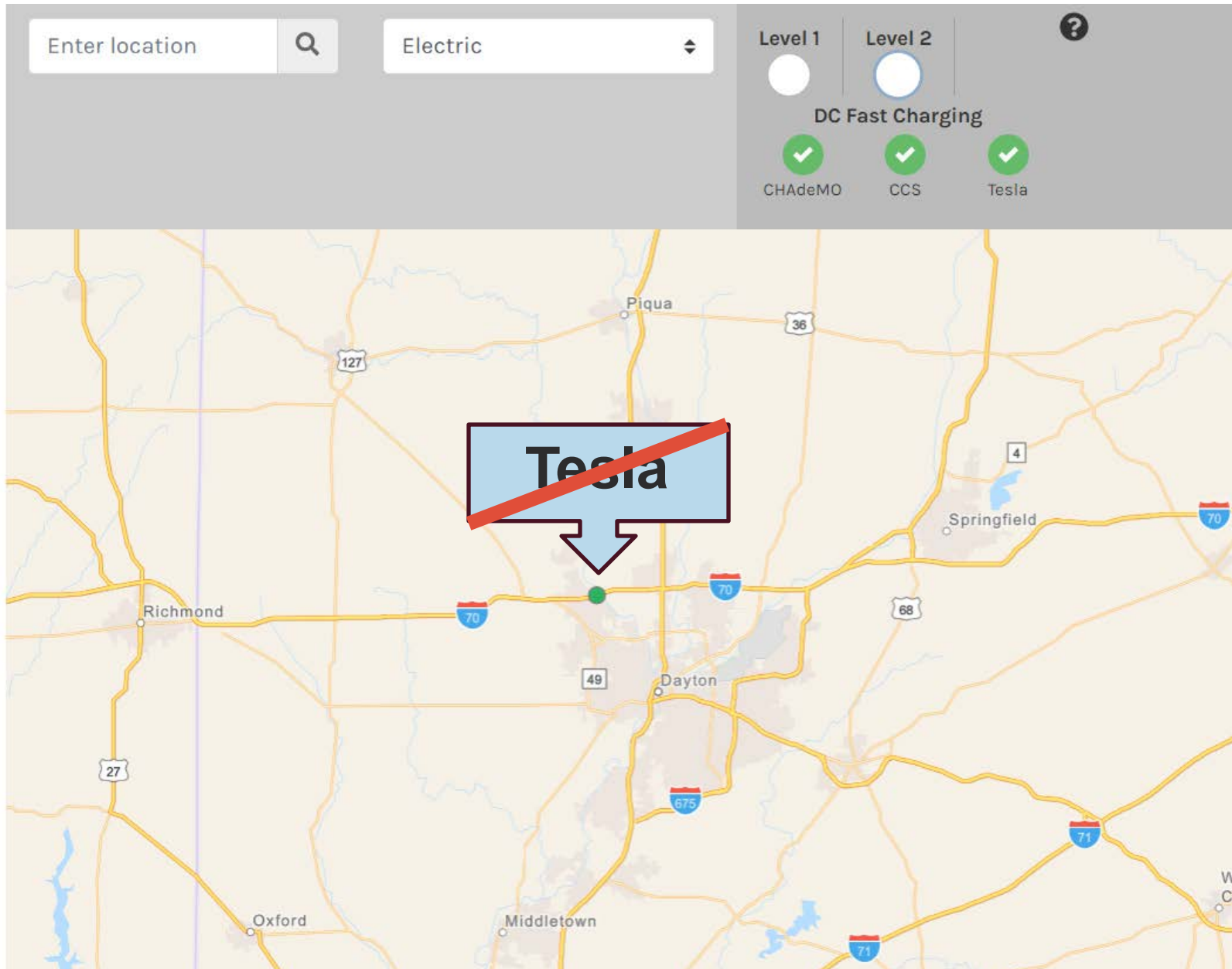
- Getting our region **Signage Ready** for DC Fast Charging.
- Major Gaps:
 - Entire Miami Valley region has no qualified DCFC (Tesla doesn't count). Minimum of three needed to meet frequency requirements
 - 50 mile frequency means we also need DCFC in Springfield, Jeffersonville
- Partner with DP&L;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



Our Regional Challenge



Our Regional Challenge



Our Regional Challenge



Table 10: Potential DC Fast Charging Locations in the Dayton Region	
Location Name	Interstate / Exit Number
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