

Alternative Fuels Data Center Station Locator Redesign and Corridor Tool

Marie

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Session Outline



- 2 Station Locator Tool
- **3** Data Analysis for Corridors
- 4 Corridor Mapping Tool
- **5** Questions and Feedback

Alternative Fuels Data Center



afdc.energy.gov

What does the AFDC provide?



Who uses the AFDC?



1.5 million users annually

5.5 million station searches annually

How do people use the AFDC tools and data?





- Search for stations by city, state, or ZIP code
- Filter by fuel type and station details
 - Map a driving route

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Alternative Fueling Station Locator

Find alternative fueling stations near an address or ZIP code or along a route in the United States. For state information, see stations data by state.



United States

afdc.energy.gov/stations



Canada

nrcan.gc.ca/energy/transportation/personal/20487

U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy					EERE Home Programs & Offices Consumer Information					
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Find alternative fueling stations near an address or ZIP code or along a route in the United States. For state information, see stations data by state.



U.S. and Canada coming soon

Are you interested in driving across borders?





- States proposed corridors
- Corridors evaluated against AFDC stations
 - Corridors designated as signage ready, signage pending, or non-corridor

Future Work: EV Resiliency Analysis



- Evaluate factors that impact corridor usability
 - Connector type
 - CHAdeMO or J1772 Combo
 - Single charger stations
 - Charger utilization

– Level

- DC Fast included in round 1 and 2
- Level 2 included in round 1

Future Work: EV Resiliency Analysis



ALTERNATIVE FUELS CORRIDOR

CORRIDOR

Corridor Mapping Tool

Goals for the Tool

With the corridor mapping tool, transportation planners can:



Monitor the system and watch for unanticipated gaps and new corridors



View fueling stations along corridors

NTERSTATE	4
3	

Determine where to invest in fueling infrastructure

Features for Phase One



Embeddable Application



Alternative Fueling Station Locator

Find alternative fueling stations near an address or ZIP code or along a route in the United States. Enter a state to see a station count or see stations data by state.



Eveloper APis </>
Embed Tool About the Data



1

Alternative Fuels Data Center

The corridor mapping tool will be available as a third tab on the Alternative Fueling Station Locator. 2

Federal Highway Administration

The corridor mapping tool can be embedded as a standalone application on the FHWA website or any other website.

National Map



State Maps



Stations Layer



Station Details



Corridor Summary



Corridor Details



Proposed Station



Results for Proposed Station



Features for Phase Two



Menu Bar

Developer APIs </>
Embed Tool 1 About the Data

Layers

Questions and Feedback

Thank You

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