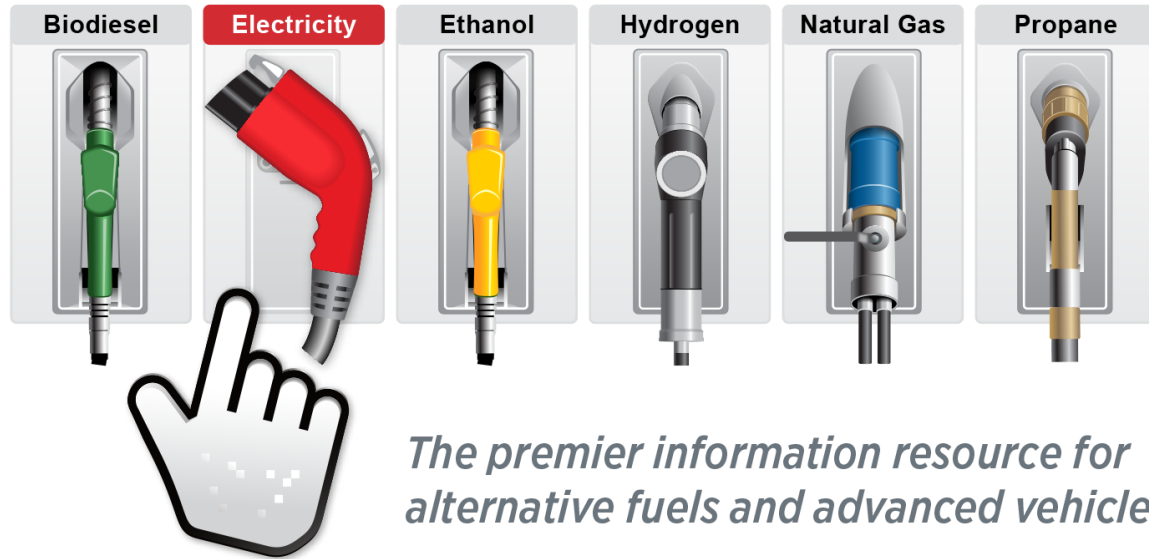




Alternative Fuels Data Center Station Locator and Corridor Tools

Johanna Levene
December 11, 2018

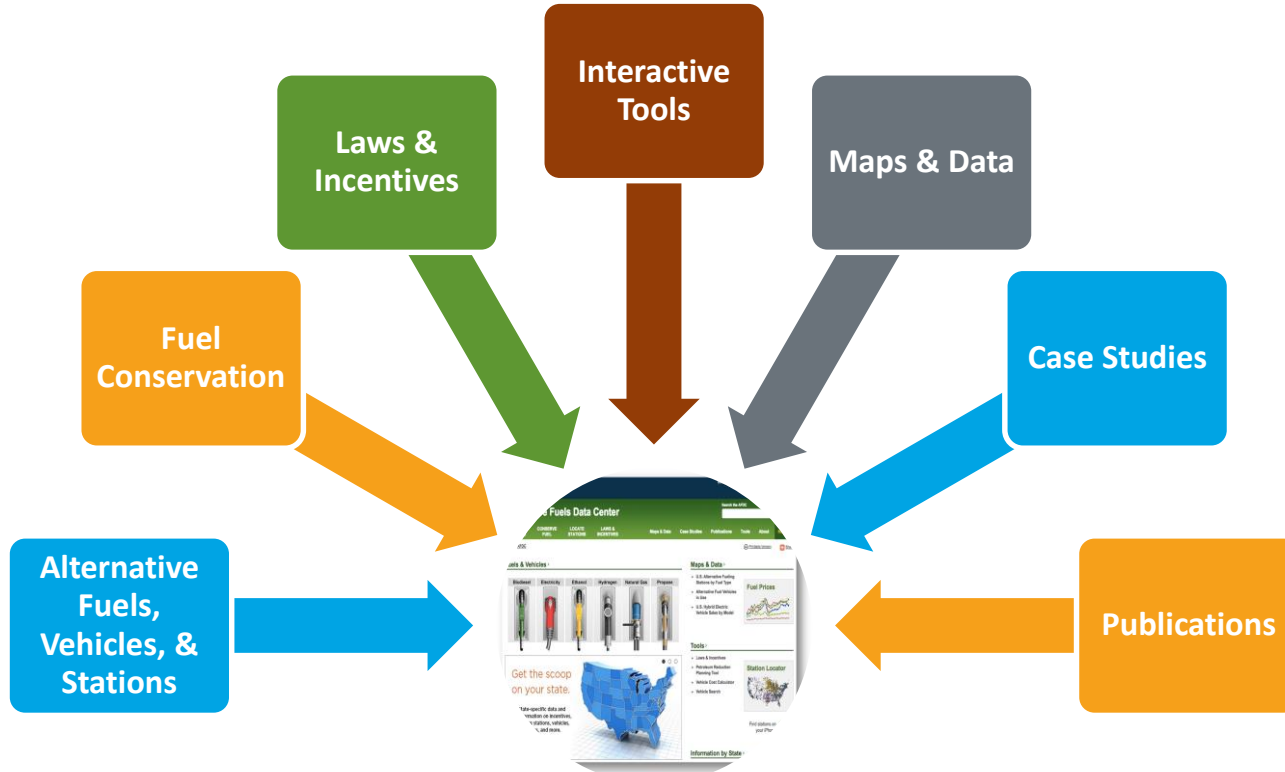
Alternative Fuels Data Center



*The premier information resource for
alternative fuels and advanced vehicles*

afdc.energy.gov

What does the AFDC provide?



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Alternative Fueling Station Locator

Find alternative fueling stations in the United States and Canada. For U.S. stations, see [data by state](#). For Canadian stations in French, see [Natural Resources Canada](#).

Public Stations 29,060 results in

Legend

- Biodiesel
- CNG
- Electric
- Ethanol
- Hydrogen
- LNG
- Propane

Powered by Esri | Esri, HERE, Garmin, NGA, USGS

<http://afdc.energy.gov/stations>

Alternative Fuel Stations

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Alternative Fueling Station Locator

Find alternative fueling stations in the United States and Canada. For U.S. stations, see [data by state](#). For Canadian stations in French, see [Natural Resources Canada](#).

Public Stations **Advanced Filters** 2,466 results in U.S. and Canada

Enter location Electric

Level 1 Level 2 DC Fast Charging CHAdeMO CCS Tesla

© MapTiler © OpenStreetMap contributors

iPhone App for U.S. stations

Android App for U.S. stations

Developer APIs

Embed Tool

Submit New Station

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Alternative Fueling

Find alternative fueling stations in the U.S. and Canada.

Public Stations

Search by Location

Map a Route

Station Data by State

Download Station Data

953 results in U.S. and Canada

Enter location

Compressed Natural Gas

Map a Route

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Data Downloads

To download data related to alternative fuels and advanced vehicles, follow the steps below.

Step 1. Choose data to download

Choose the dataset and file format you want to download.

Dataset: Alternative fuel stations

File Format: CSV (opens in Excel)

Read descriptions of the [data included in the alternative fuel stations download](#).

Data updated monthly. Last updated: 12/07/2018

Just looking for the closest alternative fuel station?

Use our [Alternative Fueling Station Locator](#) to find nearby stations.

Download Options

Fuel type: Compressed Natural Gas

Access: Public

Status: Open

Step 2. Share your information

Provide the following contact and use information to download the data.

First Name

Johanna

Last Name

Levene

E-mail Address

johanna.levene@nrel.gov

How will you use the data? (optional)

Corridor designation

Required fields

I have read and agree to the [terms and conditions](#).

Alternative Fuels Data Center

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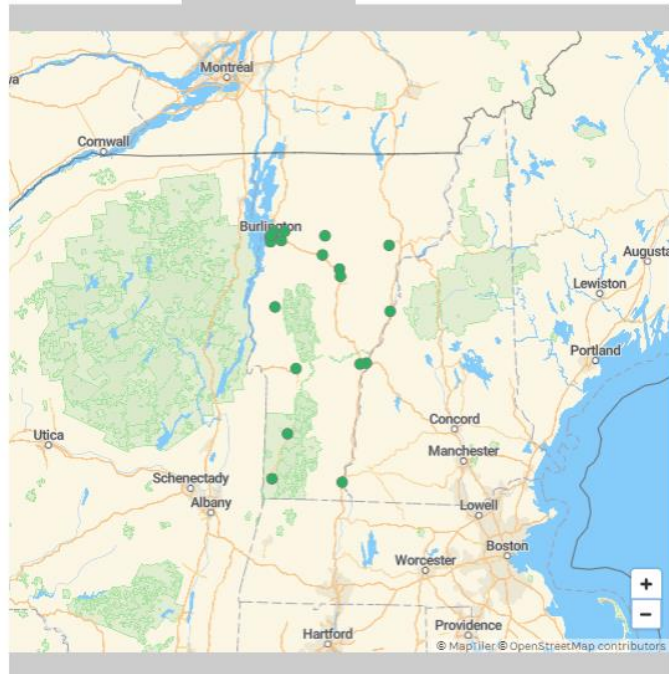
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Alternative Fueling Station Locator

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Public Stations

Advanced Filters



Edit Filters

20 stations
31 charging outlets

Filters chosen:

Vermont

Electric

Types: DC Fast
Connectors/outlets:
CHAdMo, SAE CCS

Access: Public

Download Results

Alternative Fuel Stations

Public Stations

Advanced Filters

U.S. and Canada

Enter location

Q

All Fuels

Map a Route

Submit New Station

Use this form to suggest adding a station.

* Required field

Your Contact Information

* First Name

* Last Name

* Email

* Phone

Station Information

* Available Fuel(s)

Biodiesel (B20 and above)

Compressed Natural Gas (CNG)

Electric

Ethanol (E85)

Hydrogen

Liquefied Natural Gas (LNG)

Legend

Biodiesel

CNG

Electric

Ethanol

Hydrogen

LNG

Propane

[iPhone App for U.S. stations](#)

[Android App for U.S. stations](#)

[Developer APIs](#)

[Embed Tool](#)

[Submit New Station](#)

[About the Data](#)

Goals for the Mapping Tools



Ease Nomination
of Alternative
Fuel Corridors



Plan Fueling
Infrastructure
Development

Resources for Nominating Corridors

Alternative Fuels Data Center

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Station Data for Nominating Alternative Fuel Corridors

The table below provides station data and shapefiles by state and fuel type. These datasets include public stations with the following filters applied to meet the criteria for nominating alternative fuel corridors:

- **EV charging** – only DC fast electric vehicle (EV) charging stations, excluding Tesla
- **Hydrogen** – only retail stations (Non-retail stations may be used in corridor nominations if the stations are compliant with SAE J2601 standards and meet all of the criteria for a hydrogen corridor.)
- **Propane** – only “primary” liquefied petroleum gas (LPG) stations, which have fuel for vehicles and vehicle-specific fueling services that are consistently offered during business hours
- **CNG** – only fast-fill compressed natural gas (CNG) stations that offer a fill pressure of 3,600 psi
- **LNG** – all liquefied natural gas (LNG) stations

The data downloads are CSVs with current station data pulled automatically from the [Alternative Fueling Station Locator](#). The shapefiles are ZIP downloads with a static snapshot of the stations as of Sept. 5, 2018, including stations outside state borders within 25 miles.




































Learn more about corridor designations from the [Federal Highway Administration](#).



Explore Potential Corridors

Use the prototype mapping tool to explore potential corridors by fuel:

- EV charging
- Hydrogen
- Propane
- CNG
- LNG

Stations by State and Fuel Type					
State	EV Charging	Hydrogen	Propane	CNG	LNG
Alabama	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
Alaska	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
Arizona	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
Arkansas	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
California	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
Colorado	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile
Connecticut	 data shapefile	 data shapefile	 data shapefile	 data shapefile	 data shapefile

- CSV downloads
- Shapefiles
- Interactive maps

afdc.energy.gov/corridors

Interactive Maps

Legend

Propane Stations (09/05/2018)

•

Alternative Fuel Corridors (09/10/2018)

— Corridor Ready

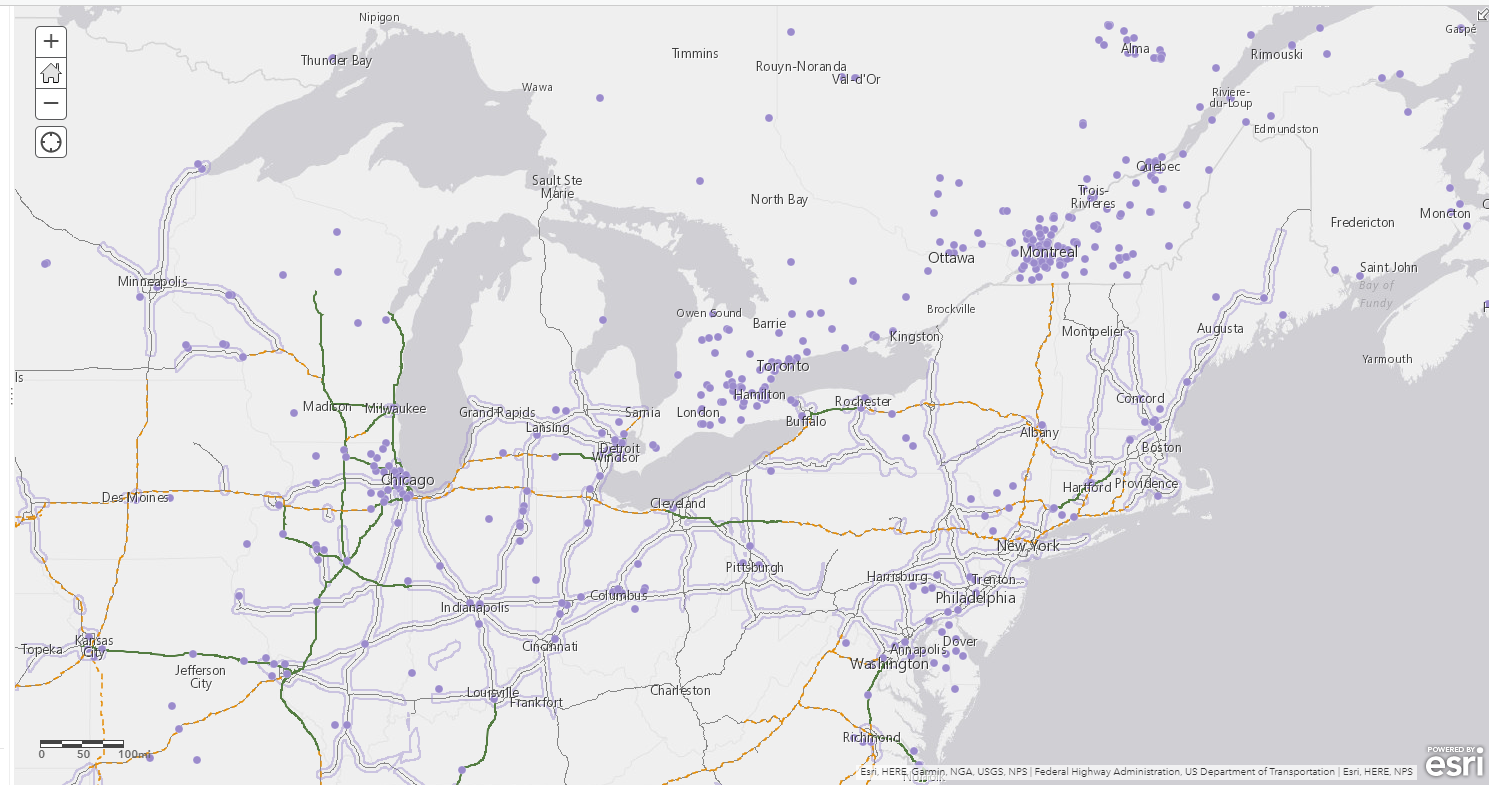
- - - Corridor Pending

Potential Propane Corridors - Areas with enough stations to nominate new corridors or where a single station would lead to an extension of an existing corridor or a new corridor.

National Highway Network

— Interstates

—

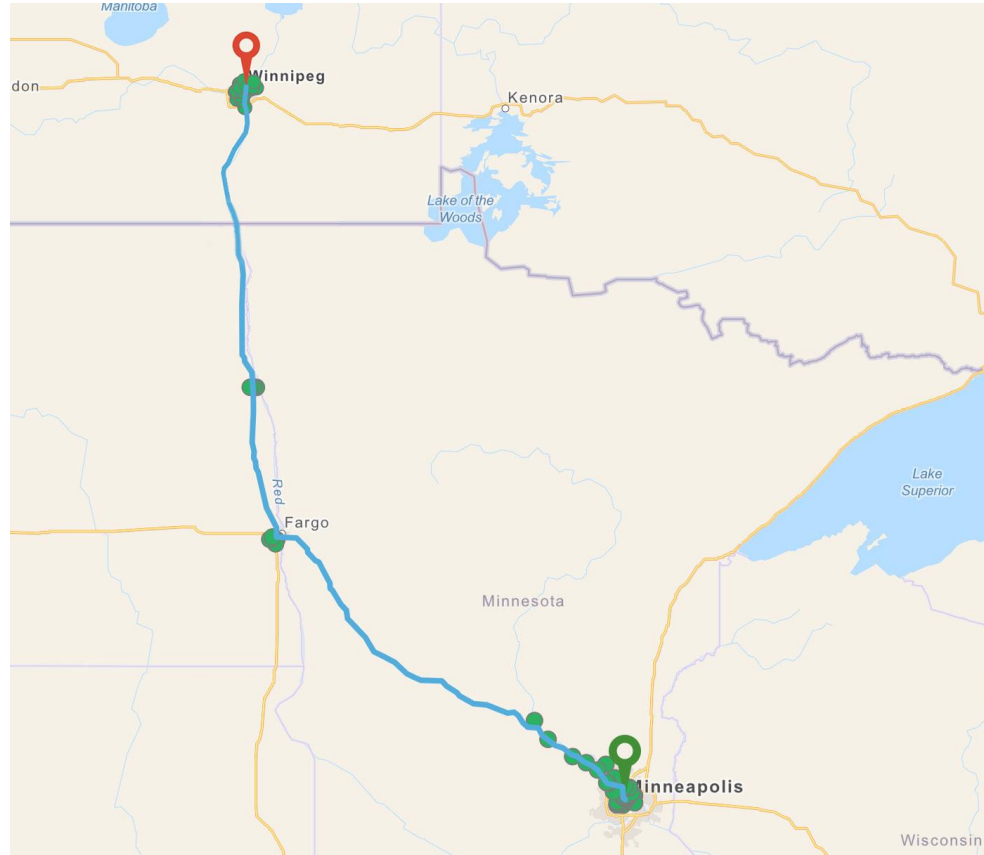


Corridor Nomination Tools

Demo



Future International Corridors



Need Help?

For more information about station information email johanna.levene@nrel.gov.

Resources

Station Locator: <https://afdc.energy.gov/stations>

Station Data for Corridors: <https://afdc.energy.gov/corridors>