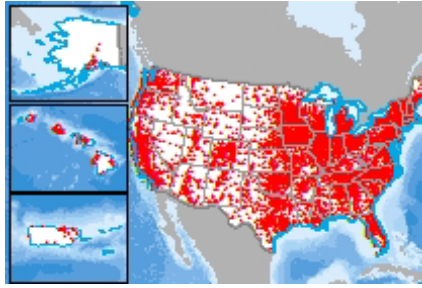


# Alternative Fuel Stations



## Tags

biofuel, alternative fuel, transportation

## Summary

The source date of this Alternative Fueling Stations dataset is **November 8, 2023**. It was obtained from the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Alternative Fuels Data Center data download page ([https://afdc.energy.gov/data\\_download](https://afdc.energy.gov/data_download)).

**All records are included, including planned and inactive stations.**

Through a nationwide network of local coalitions, Clean Cities provides project assistance to help stakeholders in the public and private sectors deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies. The Department of Energy collects these data as part of the projects undertaken by Clean Cities coalitions and stakeholders to ensure customers' access to clean alternative energy.

## Description

The source date of this Alternative Fueling Stations dataset is **November 8, 2023**. It was obtained from the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Alternative Fuels Data Center data download page ([https://afdc.energy.gov/data\\_download](https://afdc.energy.gov/data_download)).

**All records are included except planned and inactive stations.**

Through a nationwide network of local coalitions, Clean Cities provides project assistance to help stakeholders in the public and private sectors deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies. The Department of Energy collects these data as part of the projects undertaken by Clean Cities coalitions and stakeholders to ensure customers' access to clean alternative energy.

## Credits

U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Alternative Fuels Data Center

## Use limitations

There are no access and use limitations for this item.

## Extent

**West** -159.584847    **East** -65.973633  
**North** 63.447419    **South** 18.375313

## Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:20,000,000

## Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE transportation  
\* CONTENT TYPE Downloadable Data  
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

## Citation

TITLE Alternative Fuel Stations  
PUBLICATION DATE 2022-11-08  
PRESENTATION FORMATS \* digital map

## Resource Details

DATASET LANGUAGES \* English (UNITED STATES)  
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format  
STATUS on-going  
SPATIAL REPRESENTATION TYPE \* vector  
\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.0.12790  
CREDITS

U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Alternative Fuels Data Center

ARCGIS ITEM PROPERTIES  
\* NAME alternative\_fuel\_station\_site\_v17

## Extents

EXTENT  
DESCRIPTION  
Publication date  
GEOGRAPHIC EXTENT  
BOUNDING RECTANGLE  
EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -159.584847  
\* EAST LONGITUDE -65.973633  
\* NORTH LATITUDE 63.447419  
\* SOUTH LATITUDE 18.375313  
\* EXTENT CONTAINS THE RESOURCE Yes  
TEMPORAL EXTENT  
DATE AND TIME 2022-11-08  
EXTENT IN THE ITEM'S COORDINATE SYSTEM  
\* WEST LONGITUDE -17764903.906400  
\* EAST LONGITUDE -7344151.210500  
\* SOUTH LATITUDE 2081525.378600  
\* NORTH LATITUDE 9210809.565500  
\* EXTENT CONTAINS THE RESOURCE Yes

## Resource Maintenance

RESOURCE MAINTENANCE  
UPDATE FREQUENCY unknown

## Spatial Reference

ARCGIS COORDINATE SYSTEM  
\* TYPE Projected  
\* GEOGRAPHIC COORDINATE REFERENCE GCS\_WGS\_1984  
\* PROJECTION WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
\* COORDINATE REFERENCE DETAILS  
PROJECTED COORDINATE SYSTEM  
WELL-KNOWN IDENTIFIER 102100  
X ORIGIN -22041257.77387803

Y ORIGIN -30241100  
XY SCALE 144148035.89861274  
Z ORIGIN -100000  
Z SCALE 10000  
M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 0.001  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true  
LATEST WELL-KNOWN IDENTIFIER 3857  
WELL-KNOWN TEXT PROJCS["WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere",GEOGCS  
["GCS\_WGS\_1984",DATUM["D\_WGS\_1984",SPHEROID  
["WGS\_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT  
["Degree",0.0174532925199433]],PROJECTION["Mercator\_Auxiliary\_Sphere"],PARAMETER  
["False\_Easting",0.0],PARAMETER["False\_Northing",0.0],PARAMETER  
["Central\_Meridian",0.0],PARAMETER["Standard\_Parallel\_1",0.0],PARAMETER  
["Auxiliary\_Sphere\_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

#### REFERENCE SYSTEM IDENTIFIER

- \* VALUE 3857
- \* CODESPACE EPSG
- \* VERSION 8.8(9.3.1.2)

## Spatial Data Properties

#### VECTOR

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

#### GEOMETRIC OBJECTS

- FEATURE CLASS NAME alternative\_fuel\_station\_site\_v17
- \* OBJECT TYPE point

#### ARCGIS FEATURE CLASS PROPERTIES

- FEATURE CLASS NAME alternative\_fuel\_station\_site\_v17
- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Point
- \* HAS TOPOLOGY FALSE
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

## Distribution

#### DISTRIBUTION FORMAT

- \* NAME File Geodatabase Feature Class

## Fields

#### DETAILS FOR OBJECT alternative\_fuel\_station\_site\_v17

- \* TYPE Feature Class

#### FIELD OBJECTID

- \* ALIAS OBJECTID
- \* DATA TYPE OID
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Internal feature number.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Sequential unique whole numbers that are automatically generated.

#### FIELD Shape

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Feature geometry.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Coordinates defining the features.

#### FIELD OBJECTID

- \* ALIAS Object ID
- \* DATA TYPE Integer
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD FuelTypeCode

- \* ALIAS Fuel Type Code
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD StationName

- \* ALIAS Station Name
- \* DATA TYPE String
- \* WIDTH 116
- \* PRECISION 0
- \* SCALE 0

#### FIELD StreetAddress

- \* ALIAS Street Address
- \* DATA TYPE String
- \* WIDTH 97
- \* PRECISION 0
- \* SCALE 0

#### FIELD IntersectionDirections

- \* ALIAS Intersection Directions
- \* DATA TYPE String
- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

#### FIELD City

- \* ALIAS City
- \* DATA TYPE String
- \* WIDTH 33
- \* PRECISION 0
- \* SCALE 0

#### FIELD State

- \* ALIAS State
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

#### FIELD ZIP

- \* ALIAS ZIP
- \* DATA TYPE String
- \* WIDTH 9
- \* PRECISION 0
- \* SCALE 0

#### FIELD Plus4

- \* ALIAS Plus4
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

#### FIELD StationPhone

- \* ALIAS Station Phone
- \* DATA TYPE String
- \* WIDTH 40
- \* PRECISION 0
- \* SCALE 0

#### FIELD StatusCode

- \* ALIAS Status Code
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

#### FIELD ExpectedDate

- \* ALIAS Expected Date
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

#### FIELD GroupsWithAccessCode

- \* ALIAS Groups with Access Code
- \* DATA TYPE String
- \* WIDTH 64
- \* PRECISION 0
- \* SCALE 0

#### FIELD AccessDaysTime

- \* ALIAS Access Days Time
- \* DATA TYPE String
- \* WIDTH 236
- \* PRECISION 0
- \* SCALE 0

#### FIELD CardsAccepted

- \* ALIAS Cards Accepted
- \* DATA TYPE String
- \* WIDTH 135
- \* PRECISION 0
- \* SCALE 0

FIELD **BD\_Blends**

- \* ALIAS BD Blends
- \* DATA TYPE String
- \* WIDTH 34
- \* PRECISION 0
- \* SCALE 0

FIELD **NG\_FillTypeCode**

- \* ALIAS NG Fill Type Code
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD **NG\_PSI**

- \* ALIAS NG PSI
- \* DATA TYPE String
- \* WIDTH 9
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_Level1\_EVSE\_Num**

- \* ALIAS EV Level1 EVSE Num
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_Level2\_EVSE\_Num**

- \* ALIAS EV\_Level2 EVSE Num
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_DC\_FastCount**

- \* ALIAS EV DC Fast Count
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_OtherInfo**

- \* ALIAS EV Other Info
- \* DATA TYPE String
- \* WIDTH 70
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_Network**

- \* ALIAS EV\_Network
- \* DATA TYPE String
- \* WIDTH 19
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_NetworkWeb**

- \* ALIAS EV\_Network Web
- \* DATA TYPE String
- \* WIDTH 48
- \* PRECISION 0
- \* SCALE 0

FIELD GeocodeStatus

- \* ALIAS Geocode Status
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD Latitude

- \* ALIAS Latitude
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD Longitude

- \* ALIAS Longitude
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DateLastConfirmed

- \* ALIAS Date Last Confirmed
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD ID

- \* ALIAS ID
- \* DATA TYPE Integer
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

FIELD UpdatedAt

- \* ALIAS Updated At
- \* DATA TYPE Date
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD OwnerTypeCode

- \* ALIAS Owner Type Code
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD FederalAgencyId

- \* ALIAS Federal Agency ID
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD FederalAgencyName

- \* ALIAS Federal Agency Name
- \* DATA TYPE String
- \* WIDTH 45
- \* PRECISION 0
- \* SCALE 0

FIELD **OpenDate**

- \* ALIAS Open Date
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD **HydrogenStatusLink**

- \* ALIAS Hydrogen Status Link
- \* DATA TYPE String
- \* WIDTH 52
- \* PRECISION 0
- \* SCALE 0

FIELD **NG\_VehicleClass**

- \* ALIAS NG Vehicle Class
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD **LPG\_Primary**

- \* ALIAS LPG Primary
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD **E85\_BlenderPump**

- \* ALIAS E85 Blender Pump
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD **EV\_ConnectorTypes**

- \* ALIAS EV\_ConnectorTypes
- \* DATA TYPE String
- \* WIDTH 32
- \* PRECISION 0
- \* SCALE 0

FIELD **Country**

- \* ALIAS Country
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD **IntersectionDirectionsFrench**

- \* ALIAS Intersection Directions French
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD **AccessDaysTimeFrench**

- \* ALIAS Access Days Time French
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0



FIELD [BD\\_BlendsFrench](#)

- \* ALIAS BD Blends French
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD [GroupsWithAccessCodeFrench](#)

- \* ALIAS Groups with Access Code French
- \* DATA TYPE String
- \* WIDTH 85
- \* PRECISION 0
- \* SCALE 0

FIELD [HydrogenIsRetail](#)

- \* ALIAS Hydrogen is Retail
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD [AccessCode](#)

- \* ALIAS Access Code
- \* DATA TYPE String
- \* WIDTH 7
- \* PRECISION 0
- \* SCALE 0

FIELD [AccessDetailCode](#)

- \* ALIAS Access Detail Code
- \* DATA TYPE String
- \* WIDTH 23
- \* PRECISION 0
- \* SCALE 0

FIELD [FederalAgencyCode](#)

- \* ALIAS Federal Agency Code
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

FIELD [FacilityType](#)

- \* ALIAS Facility Type
- \* DATA TYPE String
- \* WIDTH 25
- \* PRECISION 0
- \* SCALE 0

FIELD [CNG\\_DispenserNum](#)

- \* ALIAS CNG Dispenser Num
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD [CNG\\_OnSiteRenewableSource](#)

- \* ALIAS CNG On Site Renewable Source
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD CNG\_TotalCompressionCapacity

- \* ALIAS CNG Total Compression Capacity
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

FIELD CNG\_StorageCapacity

- \* ALIAS CNG Storage Capacity
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

FIELD LNG\_OnSiteRenewableSource

- \* ALIAS LNG On Site Renewable Source
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD E85\_OtherEthanolBlends

- \* ALIAS E85 Other Ethanol Blends
- \* DATA TYPE String
- \* WIDTH 41
- \* PRECISION 0
- \* SCALE 0

FIELD EV\_Pricing

- \* ALIAS EV Pricing
- \* DATA TYPE String
- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

FIELD EV\_PricingFrench

ALIAS EV Pricicing French

- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

FIELD LPG\_NozzleTypes

- \* ALIAS LPG Nozzle Types
- \* DATA TYPE String
- \* WIDTH 25
- \* PRECISION 0
- \* SCALE 0

FIELD HydrogenPressures

- \* ALIAS Hydrogen Pressures
- \* DATA TYPE String
- \* WIDTH 14
- \* PRECISION 0
- \* SCALE 0

FIELD HydrogenStandards

- \* ALIAS Hydrogen Standards
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

#### FIELD CNG\_FillTypeCode

- \* ALIAS CNG Fill Type Code
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

#### FIELD CNG\_PSI

- \* ALIAS CNG PSI
- \* DATA TYPE String
- \* WIDTH 9
- \* PRECISION 0
- \* SCALE 0

#### FIELD CNG\_VehicleClass

- \* ALIAS CNG Vehicle Class
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

#### FIELD LNG\_VehicleClass

- \* ALIAS LNG Vehicle Class
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

#### FIELD EV\_OnSiteRenewableSource

- \* ALIAS EV On Site Renewable Source
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

## Metadata Details

- \* METADATA LANGUAGE English (UNITED STATES)
- \* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
- URI OF THE DATA DESCRIBED BY THE METADATA [https://afdc.energy.gov/data\\_download](https://afdc.energy.gov/data_download)
- SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset
- SCOPE NAME \* dataset
- LAST UPDATE 2022-11-10
- ARCGIS METADATA PROPERTIES
  - METADATA FORMAT ArcGIS 1.0
  - METADATA STYLE FGDC CSDGM Metadata
  - STANDARD OR PROFILE USED TO EDIT METADATA FGDC
  - CREATED IN ARCGIS FOR THE ITEM 2022-07-22
  - LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-07-22
- AUTOMATIC UPDATES
  - HAVE BEEN PERFORMED Yes
  - LAST UPDATE 2022-11-10