| **Field** | **Value** | **Description** |
| --- | --- | --- |
| **fuel\_type\_code** | **Type:** string | The type of alternative fuel the station provides. Fuel types are given as code values as described below:   | **Value** | **Description** | | --- | --- | | **BD** | Biodiesel (B20 and above) | | **CNG** | Compressed Natural Gas | | **E85** | Ethanol (E85) | | **ELEC** | Electric | | **HY** | Hydrogen | | **LNG** | Liquefied Natural Gas | | **LPG** | Liquefied Petroleum Gas (Propane) | |
| **station\_name** | **Type:** string | The name of the station. |
| **street\_address** | **Type:** string | The street address of the station's location. |
| **intersection\_directions** | **Type:** string | Brief additional information about how to locate the station. |
| **city** | **Type:** string | The city of the station's location. |
| **state** | **Type:** string | The two character U.S. state code of the station's location. |
| **zip** | **Type:** string | The ZIP code (postal code) of the station's location. |
| **plus4** | **Type:** string | The plus-4 portion of the station's ZIP code (U.S. ZIP codes only). |
| **station\_phone** | **Type:** string | The phone number of the station. |
| **status\_code** | **Type:** string | The current status of the station, given as code values as described below:   | **Value** | **Description** | | --- | --- | | **E** | Open: The station is open. | | **P** | Planned: The station is not yet open, but plans to carry alternative fuel in the future, or the station is temporarily out of service. See the "Expected Date" field for an anticipated open date. | | **T** | Temporarily unavailable: The station is temporarily unavailable. See the “Expected Date” field for an anticipated open date. | |
| **expected\_date** | **Type:** date | For planned stations, the date the station is expected to open or start carrying alternative fuel. For temporarily unavailable stations, the expected date is the date the station is expected to reopen. This date is estimated but not guaranteed. |
| **groups\_with\_access\_code** | **Type:** string | A description of who is allowed to access the station and other station access information.   | **Value** | **Description** | | --- | --- | | **Private** | Private station. | | **Private - fleet customers only** | Private station that may allow other entities to fuel through a business-to-business arrangement. For more information, fleet customers should refer to the “Access Days Time” field for contact information or contact the station directly. | | **Private – government only** | Private station available only to government vehicles, or some subset of government vehicles. | | **Public** | Publicly available to all customers. | | **Public – call ahead** | Publicly available, but customers should call before visiting the station. See “Station Phone” for more details. | | **Public – credit card at all times** | Publicly available, but only accepts credit cards as payment. The station may also accept fleet cards or station-specific fueling cards. See “Cards Accepted” field for more details. | | **Public – card key at all times** | Publicly available, but only accepts fleet cards or station-specific fueling cards as payment. See “Cards Accepted” field for more details. | | **Public – credit card after hours** | Publicly available, and accepts credit cards 24 hours a day. See “Access Days Time” and “Cards Accepted” fields for more details. | | **Public – card key after hours** | Publicly available, and accepts fleet cards or station-specific fueling cards 24 hours a day. See “Access Days Time” and “Cards Accepted” fields for more details. | | **PLANNED – not yet available** | Not yet open, but plans to carry alternative fuel in the future. See the "Expected Date" field for an anticipated open date. | | **TEMPORARILY UNAVAILBLE** | Temporarily unavailable. See the “Expected Date” field for an anticipated open date. | |
| **access\_days\_time** | **Type:** string | Hours of operation for the station. |
| **cards\_accepted** | **Type:** string | A space-separated list of payment methods accepted. Payment methods are given as code values as described below:   | **Value** | **Description** | | --- | --- | | **A** | American Express | | **D** | Discover | | **M** | MasterCard | | **V** | VISA | | **Cash** | Cash | | **Checks** | Check | | **CFN** | Commercial Fueling Network | | **CleanEnergy** | Clean Energy | | **Comdata** | Comdata | | **EFS** | EFS | | **FleetOne** | Fleet One | | **FuelMan** | Fuelman | | **GasCard** | GASCARD | | **PHH** | PHH | | **PacificPride** | Pacific Pride | | **Speedway** | Speedway | | **Tchek** | T-Chek T-Card | | **TCH** | TCH | | **Trillium** | Trillium | | **Voyager** | Voyager | | **Wright\_Exp** | WEX | |
| **owner\_type\_code** | **Type:** string | The type of organization that owns the fueling infrastructure. Owner types are given as code values as described below:   | **Option** | **Description** | | --- | --- | | **P** | Privately owned | | **T** | Utility owned | | **FG** | Federal government owned | | **LG** | Local government owned | | **SG** | State government owned | | **J** | Jointly owned (combination of owner types) | |
| **federal\_agency** | **Type:** record | If the station is owned by a federal agency, a record for the federal agency that owns this station. See [federal agency record fields](https://www.afdc.energy.gov/data_download/alt_fuel_stations_format#federal-agency-record-fields) for response details. |
| **bd\_blends** | **Type:** string | For biodiesel stations, the level of biodiesel blends the station provides. |
| **e85\_blender\_pump** | **Type:** boolean | For E85 stations, an indication of whether the station has a blender pump on site, given as a boolean:   | **Value** | **Description** | | --- | --- | | **true** | In addition to E85, the station has a blender pump capable of providing mid-level ethanol blends. | | **false** | The station does not have a blender pump. | |
| **lpg\_primary** | **Type:** boolean | For propane stations, the type of station, given as a boolean:   | **Value** | **Description** | | --- | --- | | **true** | Primary: A propane station is considered primary because it meets the following criteria, developed based on feedback from the propane industry:   1. The station is staffed and able to fuel vehicles during normal business hours (e.g., 8am-5pm M-F), and does not require drivers to call ahead; 2. The station is equipped with a dedicated or purpose-built fuel dispenser for vehicle fueling; and 3. The station accepts credit cards or fleet cards. | | **false** | Secondary: The station does not meet the criteria to be considered primary. | |
| **ng\_fill\_type\_code** | **Type:** string | For CNG stations, the type of dispensing capability available, given as code values as described below:   | **Value** | **Description** | | --- | --- | | **Q** | Quick fill | | **T** | Timed fill | | **B** | Both: quick fill and timed fill | |
| **ng\_psi** | **Type:** string | For CNG stations, a space separated list of PSI pressures available. |
| **ng\_vehicle\_class** | **Type:** string | For CNG and LNG stations, the maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:   | **Value** | **Description** | | --- | --- | | **LD** | Station can only accommodate light-duty vehicles (Classes 1-2). | | **MD** | Station can accommodate light- and medium-duty vehicles (Classes 1-5). | | **HD** | Station can accommodate light-, medium-, and heavy-duty vehicles (Classes 1-8). |   Note: This field does not take into account station capacity or other considerations. |
| **ev\_level1\_evse\_num** | **Type:** integer | For electric stations, the number of Level 1 EVSE (standard 110V outlet). |
| **ev\_level2\_evse\_num** | **Type:** integer | For electric stations, the number of Level 2 EVSE (J1772 connector). |
| **ev\_dc\_fast\_num** | **Type:** integer | For electric stations, the number of DC Fast Chargers. |
| **ev\_other\_evse** | **Type:** string | For electric stations, the number and type of additional EVSE, such as:   * SP Inductive - Small paddle inductive * LP Inductive - Large paddle inductive * Avcon Conductive |
| **ev\_connector\_types** | **Type:** array | For electric stations, an array of strings identifying the connector types available at this station. Valid connector types are:   | **Value** | **Description** | | --- | --- | | **NEMA515** | NEMA 5-15 (Level 1) | | **NEMA520** | NEMA 5-20 (Level 1) | | **NEMA1450** | NEMA 14-50 (Level 1) | | **J1772** | J1772 (Level 2) | | **CHADEMO** | CHAdeMO (DC fast charging) | | **J1772COMBO** | SAE J1772 Combo (DC fast charging) | | **TESLA** | Tesla (DC fast charging and Level 2) | |
| **ev\_network** | **Type:** string | For electric stations, the name of the EVSE network, if applicable. |
| **ev\_network\_web** | **Type:** string | For electric stations, the EVSE network Web site, if applicable. |
| **hy\_status\_link** | **Type:** string | For hydrogen stations, a link to a website that provides up-to-date information about the current status of this hydrogen station. |
| **geocode\_status** | **Type:** string | A rating indicating the approximate accuracy of the latitude and longitude for the station's address, given as code values as described below:   | **Value** | **Description** | | --- | --- | | **GPS** | The location is from a real GPS readout at the station. | | **200-9** | Premise (building name, property name, shopping center, etc.) level accuracy. | | **200-8** | Address level accuracy. | | **200-7** | Intersection level accuracy. | | **200-6** | Street level accuracy. | | **200-5** | ZIP code (postal code) level accuracy. | | **200-4** | Town (city, village) level accuracy. | | **200-3** | Sub-region (county, municipality, etc.) level accuracy. | | **200-2** | Region (state, province, prefecture, etc.) level accuracy. | | **200-1** | Country level accuracy. | | **200-0** | Unknown accuracy. | |
| **latitude** | **Type:** decimal  **Range:** *-90* to *90* | The latitude of the station's address (see the "Geocode Status" field for details on the latitude's accuracy). |
| **longitude** | **Type:** decimal  **Range:** *-180* to *180* | The longitude of the station's address (see the "Geocode Status" field for details on the longitude's accuracy). |
| **open\_date** | **Type:** date | The date that the station began offering the fuel. Please note that most LPG (propane) stations do not have open dates. Some open dates are approximate. Also note that electric station records that are imported to the Station Locator on a daily basis through a network API do not have open dates. See the [About the Alternative Fueling Station Data](http://www.afdc.energy.gov/fuels/data_methods_stations.html) page for more information. |
| **date\_last\_confirmed** | **Type:** date | The date the station's details were last confirmed. |
| **updated\_at** | **Type:** datetime | The time the station's details were last updated ([ISO 8601](http://en.wikipedia.org/wiki/ISO_8601) format). |
| **id** | **Type:** integer | A unique identifier for this specific station. |

**Federal Agency Record Fields**

| **Field** | **Value** | **Description** |
| --- | --- | --- |
| **id** | **Type:** integer | A unique identifier for the federal agency. |
| **name** | **Type:** string | The name of the federal agency. |