

## Data Included in the Alternative Fuel Stations Download

The following data fields are provided in the downloadable files for alternative fuel stations. See the [data download \(/data\\_download\)](#) to download a list of alternative fueling stations.

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:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>BD</td><td>Biodiesel (B20 and above)</td></tr><tr><td>CNG</td><td>Compressed Natural Gas (CNG)</td></tr><tr><td>ELEC</td><td>Electric</td></tr><tr><td>E85</td><td>Ethanol (E85)</td></tr><tr><td>HY</td><td>Hydrogen</td></tr><tr><td>LNG</td><td>Liquefied Natural Gas (LNG)</td></tr><tr><td>LPG</td><td>Propane (LPG)</td></tr><tr><td>RD</td><td>Renewable Diesel (R20 and above)</td></tr></table>	Value	Description	BD	Biodiesel (B20 and above)	CNG	Compressed Natural Gas (CNG)	ELEC	Electric	E85	Ethanol (E85)	HY	Hydrogen	LNG	Liquefied Natural Gas (LNG)	LPG	Propane (LPG)	RD	Renewable Diesel (R20 and above)
		Value	Description																	
		BD	Biodiesel (B20 and above)																	
		CNG	Compressed Natural Gas (CNG)																	
		ELEC	Electric																	
		E85	Ethanol (E85)																	
		HY	Hydrogen																	
		LNG	Liquefied Natural Gas (LNG)																	
		LPG	Propane (LPG)																	
RD	Renewable Diesel (R20 and above)																			
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 code for the U.S. state or Canadian province/territory of the station's location.																		
zip	Type: string	The ZIP code (postal code) of the station's location.																		

Field	Value	Description								
plus4	Type: string	The plus-4 portion of the station's ZIP code (U.S. ZIP codes only).								
country	Type: string	<div>The two character country code of the station's location.<table><tr><th>Value</th><th>Description</th></tr><tr><td>US</td><td>United States</td></tr><tr><td>CA</td><td>Canada</td></tr></table></div>	Value	Description	US	United States	CA	Canada		
Value	Description									
US	United States									
CA	Canada									
station_phone	Type: string	The phone number of the station.								
status_code	Type: string	<div>The current status of the station, given as code values as described below:<table><tr><th>Value</th><th>Description</th></tr><tr><td>E</td><td>Available</td></tr><tr><td>P</td><td>Planned</td></tr><tr><td>T</td><td>Temporarily Unavailable</td></tr></table></div>	Value	Description	E	Available	P	Planned	T	Temporarily Unavailable
Value	Description									
E	Available									
P	Planned									
T	Temporarily Unavailable									
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 date the station is expected to reopen. This date is estimated. For temporarily unavailable electric vehicle charging stations added to the Station Locator through automated data feeds from charging networks, this is the date that the station became temporarily unavailable. See the <a href="https://afdc.energy.gov/stations/#!/find/nearest?show_about=true">About the Alternative Fueling Station Data (https://afdc.energy.gov/stations/#!/find/nearest?show_about=true)</a> page for more information.								
access_code	Type: string	<div>A description of who is allowed to access the station, given as code values as described below:<table><tr><th>Value</th><th>Description</th></tr><tr><td>public</td><td>Public</td></tr><tr><td>private</td><td>Private</td></tr></table></div>	Value	Description	public	Public	private	Private		
Value	Description									
public	Public									
private	Private									

Field	Value	Description																				
access_detail_code	Type: string	A description of other station access information, given as code values as described below:																				
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>CALL</td><td>Call ahead</td></tr><tr><td>KEY_AFTER_HOURS</td><td>Card key after hours</td></tr><tr><td>KEY_ALWAYS</td><td>Card key at all times</td></tr><tr><td>CREDIT_CARD_AFTER_HOURS</td><td>Credit card after hours</td></tr><tr><td>CREDIT_CARD_ALWAYS</td><td>Credit card at all times</td></tr><tr><td>FLEET</td><td>Fleet customers only</td></tr><tr><td>GOVERNMENT</td><td>Government only</td></tr><tr><td>LIMITED_HOURS</td><td>Limited hours</td></tr><tr><td>RESIDENTIAL</td><td>Residential</td></tr></table>	Value	Description	CALL	Call ahead	KEY_AFTER_HOURS	Card key after hours	KEY_ALWAYS	Card key at all times	CREDIT_CARD_AFTER_HOURS	Credit card after hours	CREDIT_CARD_ALWAYS	Credit card at all times	FLEET	Fleet customers only	GOVERNMENT	Government only	LIMITED_HOURS	Limited hours	RESIDENTIAL	Residential
		Value	Description																			
		CALL	Call ahead																			
		KEY_AFTER_HOURS	Card key after hours																			
		KEY_ALWAYS	Card key at all times																			
		CREDIT_CARD_AFTER_HOURS	Credit card after hours																			
		CREDIT_CARD_ALWAYS	Credit card at all times																			
		FLEET	Fleet customers only																			
		GOVERNMENT	Government only																			
		LIMITED_HOURS	Limited hours																			
RESIDENTIAL	Residential																					
groups_with_access_code	Type: string	Deprecated: See the <code>access_code</code> , <code>access_detail_code</code> , and <code>status_code</code> fields for equivalent information in a more structured format. (Note: This field will remain for legacy application support.)																				
		A description of who is allowed to access the station and other station access information.																				
access_days_time	Type: string	Hours of operation for the station.																				

Field	Value	Description																																															
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	CREDIT	Credit	Debit	Debit	D	Discover	M	MasterCard	V	Visa	Cash	Cash	Checks	Check	ACCOUNT_BALANCE	Account Balance	ALLIANCE	Alliance AutoGas	ANDROID_PAY	Android Pay	APPLE_PAY	Apple Pay	ARI	ARI	CleanEnergy	Clean Energy	Comdata	Comdata	CFN	Commercial Fueling Network	EFS	EFS	FleetOne	Fleet One	FuelMan	Fuelman	GasCard	GASCARD	PacificPride	Pacific Pride	PHH	PHH	Proprietor	Proprietor Fleet Card
		Value	Description																																														
		A	American Express																																														
		CREDIT	Credit																																														
		Debit	Debit																																														
		D	Discover																																														
		M	MasterCard																																														
		V	Visa																																														
		Cash	Cash																																														
		Checks	Check																																														
		ACCOUNT_BALANCE	Account Balance																																														
		ALLIANCE	Alliance AutoGas																																														
		ANDROID_PAY	Android Pay																																														
		APPLE_PAY	Apple Pay																																														
		ARI	ARI																																														
		CleanEnergy	Clean Energy																																														
		Comdata	Comdata																																														
		CFN	Commercial Fueling Network																																														
		EFS	EFS																																														
		FleetOne	Fleet One																																														
		FuelMan	Fuelman																																														
		GasCard	GASCARD																																														
		PacificPride	Pacific Pride																																														
		PHH	PHH																																														
Proprietor	Proprietor Fleet Card																																																

Field	Value	Description	
		Value	Description
		Speedway	Speedway
		SuperPass	SuperPass
		TCH	TCH
		Tchek	T-Chek T-Card
		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:	
		Value	Description
		FG	Federal Government Owned
		J	Jointly Owned
		LG	Local/Municipal Government Owned
		P	Privately Owned
		SG	State/Provincial Government Owned
		T	Utility Owned
federal_agency	Type: record	If the station is owned by a federal agency, a record for the federal agency that owns this station. See <a href="#">federal agency record fields</a> for response details.	
bd_blends	Type: string	For biodiesel stations, the level of biodiesel blends the station provides.	

Field	Value	Description										
e85_blender_pump	Type: boolean	<div>For E85 stations, an indication of whether the station has a blender pump on site, given as a boolean:</div> <table><tr><th>Value</th><th>Description</th></tr><tr><td>true</td><td>In addition to E85, the station has a blender pump capable of providing mid-level ethanol blends.</td></tr><tr><td>false</td><td>The station does not have a blender pump.</td></tr></table>	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.				
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.											
e85_other_ethanol_blends	Type: array	<div>For E85 stations, an array of strings identifying the range(s) of blends other than E85 available at the station, given as code values described below:</div> <table><tr><th>Value</th><th>Description</th></tr><tr><td>E15</td><td>E15</td></tr><tr><td>E20-E25</td><td>E20-E25</td></tr><tr><td>E30-E35</td><td>E30-E35</td></tr><tr><td>E40-Plus</td><td>E40 and above</td></tr></table>	Value	Description	E15	E15	E20-E25	E20-E25	E30-E35	E30-E35	E40-Plus	E40 and above
Value	Description											
E15	E15											
E20-E25	E20-E25											
E30-E35	E30-E35											
E40-Plus	E40 and above											
lpg_nozzle_types	Type: array	<div>For LPG stations, an array of strings, identifying the type of nozzles available at the station, given as code values described below:</div> <table><tr><th>Value</th><th>Description</th></tr><tr><td>ACME</td><td>ACME</td></tr><tr><td>QUICK_CONNECT</td><td>Quick-connect</td></tr></table>	Value	Description	ACME	ACME	QUICK_CONNECT	Quick-connect				
Value	Description											
ACME	ACME											
QUICK_CONNECT	Quick-connect											

Field	Value	Description						
lpg_primary	Type: boolean	For propane stations, the type of station, given as a boolean:						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>true</td><td>Primary: A propane station is considered primary because it meets the following criteria, developed based on feedback from the propane industry:<div><div>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;</div><div>2. The station can fill vehicles at a rate of 8-12 gallons per minute or faster, or at a rate similar to filling a gasoline vehicle; and</div><div>3. The station accepts credit cards or fleet cards.</div></div></td></tr><tr><td>false</td><td>Secondary: The station does not meet the criteria to be considered primary.</td></tr></table>	Value	Description	true	Primary: A propane station is considered primary because it meets the following criteria, developed based on feedback from the propane industry: <div><div>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;</div><div>2. The station can fill vehicles at a rate of 8-12 gallons per minute or faster, or at a rate similar to filling a gasoline vehicle; and</div><div>3. The station accepts credit cards or fleet cards.</div></div>	false	Secondary: The station does not meet the criteria to be considered primary.
		Value	Description					
		true	Primary: A propane station is considered primary because it meets the following criteria, developed based on feedback from the propane industry: <div><div>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;</div><div>2. The station can fill vehicles at a rate of 8-12 gallons per minute or faster, or at a rate similar to filling a gasoline vehicle; and</div><div>3. The station accepts credit cards or fleet cards.</div></div>					
false	Secondary: The station does not meet the criteria to be considered primary.							
ng_fill_type_code	Type: string	Deprecated: See <code>cng_fill_type_code</code> . (Note: This field will remain for legacy application support.)						
ng_psi	Type: string	Deprecated: See <code>cng_psi</code> . (Note: This field will remain for legacy application support.)						
ng_vehicle_class	Type: string	Deprecated: See <code>maximum_vehicle_class</code> . (Note: This field will remain for legacy application support.)						
rd_blends	Type: string	For renewable diesel stations, the level of renewable diesel blends the station provides.						
rd_blends_fr	Type: string	For renewable diesel stations, the level of renewable diesel blends the station provides, in French, if available.						
rd_blended_with_biodiesel	Type: string	For renewable diesel stations, whether the station provides renewable diesel blended with biodiesel, given as code values as described below:						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>Y</td><td>Yes</td></tr><tr><td>N</td><td>No</td></tr></table>	Value	Description	Y	Yes	N	No
		Value	Description					
		Y	Yes					
N	No							
rd_max_biodiesel_level	Type: string	For renewable diesel stations, the maximum biodiesel level if blended with biodiesel.						
cng_dispenser_num	Type: integer	For CNG stations, the number of CNG dispensers installed.						

Field	Value	Description								
cng_fill_type_code	Type: string	For CNG stations, the type of dispensing capability available, given as code values as described below:								
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>B</td><td>Fast-fill and time-fill</td></tr><tr><td>Q</td><td>Fast-fill</td></tr><tr><td>T</td><td>Time-fill</td></tr></table>	Value	Description	B	Fast-fill and time-fill	Q	Fast-fill	T	Time-fill
		Value	Description							
		B	Fast-fill and time-fill							
		Q	Fast-fill							
T	Time-fill									
cng_has_rng	Type: string	For CNG stations, whether the station sells renewable natural gas (RNG), given as code values as described below:								
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>Y</td><td>CNG station sells RNG</td></tr><tr><td>N</td><td>CNG station doesn't sell RNG</td></tr></table>	Value	Description	Y	CNG station sells RNG	N	CNG station doesn't sell RNG		
		Value	Description							
		Y	CNG station sells RNG							
N	CNG station doesn't sell RNG									
cng_psi	Type: string	For CNG stations, a space separated list of PSI pressures available.								
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>2400</td><td>2400 psi</td></tr><tr><td>3000</td><td>3000 psi</td></tr><tr><td>3600</td><td>3600 psi</td></tr></table>	Value	Description	2400	2400 psi	3000	3000 psi	3600	3600 psi
		Value	Description							
		2400	2400 psi							
		3000	3000 psi							
3600	3600 psi									



Field	Value	Description																		
cng_renewable_source	Type: string	For CNG stations, the type of renewable energy used to generate CNG on-site, given as code values as described below:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>GEOTHERMAL</td><td>Geothermal</td></tr><tr><td>HYDRO</td><td>Hydropower</td></tr><tr><td>LANDFILL</td><td>Landfill</td></tr><tr><td>LIVESTOCK</td><td>Livestock Operations</td></tr><tr><td>NONE</td><td>None</td></tr><tr><td>SOLAR</td><td>Solar</td></tr><tr><td>WASTEWATER</td><td>Wastewater Treatment</td></tr><tr><td>WIND</td><td>Wind</td></tr></table>	Value	Description	GEOTHERMAL	Geothermal	HYDRO	Hydropower	LANDFILL	Landfill	LIVESTOCK	Livestock Operations	NONE	None	SOLAR	Solar	WASTEWATER	Wastewater Treatment	WIND	Wind
		Value	Description																	
		GEOTHERMAL	Geothermal																	
		HYDRO	Hydropower																	
		LANDFILL	Landfill																	
		LIVESTOCK	Livestock Operations																	
		NONE	None																	
		SOLAR	Solar																	
		WASTEWATER	Wastewater Treatment																	
WIND	Wind																			
cng_total_compression	Type: integer	For CNG stations, the total compressor capacity per compressor, measured in standard cubic feet per minute (scfm).																		
cng_total_storage	Type: integer	For CNG stations, the total storage capacity, measured in standard cubic feet (scf).																		
cng_vehicle_class	Type: string	Deprecated: See <code>maximum_vehicle_class</code> . (Note: This field will remain for legacy application support.)																		
		For CNG stations, the maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>LD</td><td>Passenger vehicles (class 1-2)</td></tr><tr><td>MD</td><td>Medium-duty (class 3-6)</td></tr><tr><td>HD</td><td>Heavy-duty (class 7-8)</td></tr></table>	Value	Description	LD	Passenger vehicles (class 1-2)	MD	Medium-duty (class 3-6)	HD	Heavy-duty (class 7-8)										
		Value	Description																	
		LD	Passenger vehicles (class 1-2)																	
MD	Medium-duty (class 3-6)																			
HD	Heavy-duty (class 7-8)																			
Note: This field does not take into account station capacity or other considerations.																				

Field	Value	Description																		
Ing_renewable_source	Type: string	For LNG stations, the type of renewable energy used to generate LNG on-site, given as code values as described below:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>GEOTHERMAL</td><td>Geothermal</td></tr><tr><td>HYDRO</td><td>Hydropower</td></tr><tr><td>LANDFILL</td><td>Landfill</td></tr><tr><td>LIVESTOCK</td><td>Livestock Operations</td></tr><tr><td>NONE</td><td>None</td></tr><tr><td>SOLAR</td><td>Solar</td></tr><tr><td>WASTEWATER</td><td>Wastewater Treatment</td></tr><tr><td>WIND</td><td>Wind</td></tr></table>	Value	Description	GEOTHERMAL	Geothermal	HYDRO	Hydropower	LANDFILL	Landfill	LIVESTOCK	Livestock Operations	NONE	None	SOLAR	Solar	WASTEWATER	Wastewater Treatment	WIND	Wind
		Value	Description																	
		GEOTHERMAL	Geothermal																	
		HYDRO	Hydropower																	
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		LIVESTOCK	Livestock Operations																	
		NONE	None																	
		SOLAR	Solar																	
		WASTEWATER	Wastewater Treatment																	
WIND	Wind																			
Ing_vehicle_class	Type: string	Deprecated: See <code>maximum_vehicle_class</code> . (Note: This field will remain for legacy application support.)																		
		For LNG stations, the maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>LD</td><td>Passenger vehicles (class 1-2)</td></tr><tr><td>MD</td><td>Medium-duty (class 3-6)</td></tr><tr><td>HD</td><td>Heavy-duty (class 7-8)</td></tr></table>	Value	Description	LD	Passenger vehicles (class 1-2)	MD	Medium-duty (class 3-6)	HD	Heavy-duty (class 7-8)										
		Value	Description																	
		LD	Passenger vehicles (class 1-2)																	
		MD	Medium-duty (class 3-6)																	
HD	Heavy-duty (class 7-8)																			
Note: This field does not take into account station capacity or other considerations.																				
Ing_has_rng	Type: string	For LNG stations, whether the station sells renewable natural gas (RNG), given as code values as described below:																		
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>Y</td><td>LNG station sells RNG</td></tr><tr><td>N</td><td>LNG station doesn't sell RNG</td></tr></table>	Value	Description	Y	LNG station sells RNG	N	LNG station doesn't sell RNG												
		Value	Description																	
		Y	LNG station sells RNG																	
N	LNG station doesn't sell RNG																			

Field	Value	Description																
ev_level1_evse_num	Type: integer	For electric stations, the number of Level 1 EVSE ports.																
ev_level2_evse_num	Type: integer	For electric stations, the number of Level 2 EVSE ports.																
ev_dc_fast_num	Type: integer	For electric stations, the number of DC Fast EVSE ports.																
ev_other_evse	Type: string	For electric stations, the number and type of additional EVSE ports, such as: <ul style="list-style-type: none"><li>• SP Inductive - Small paddle inductive</li><li>• LP Inductive - Large paddle inductive</li><li>• Avcon Conductive</li></ul>																
ev_connector_types	Type: array	<div>For electric stations, an array of strings identifying the connector types available at this station. Valid connector types are:</div> <table><tr><th>Value</th><th>Description</th></tr><tr><td>NEMA1450</td><td>NEMA 14-50</td></tr><tr><td>NEMA515</td><td>NEMA 5-15</td></tr><tr><td>NEMA520</td><td>NEMA 5-20</td></tr><tr><td>J1772</td><td>J1772</td></tr><tr><td>J1772COMBO</td><td>CCS</td></tr><tr><td>CHADEMO</td><td>CHAdemo</td></tr><tr><td>TESLA</td><td>J3400</td></tr></table>	Value	Description	NEMA1450	NEMA 14-50	NEMA515	NEMA 5-15	NEMA520	NEMA 5-20	J1772	J1772	J1772COMBO	CCS	CHADEMO	CHAdemo	TESLA	J3400
Value	Description																	
NEMA1450	NEMA 14-50																	
NEMA515	NEMA 5-15																	
NEMA520	NEMA 5-20																	
J1772	J1772																	
J1772COMBO	CCS																	
CHADEMO	CHAdemo																	
TESLA	J3400																	

Field	Value	Description																																															
ev_network	Type: string	For electric stations, the name of the EV charging network, if applicable.																																															
		Value	Description	7CHARGE	7Charge	ABM	ABM	AMPED_UP	AmpedUp! Networks	AMPUP	AmpUp	APPLEGREEN	applegreen electric	AUTEL	Autel	BCHYDRO	BC Hydro	Blink Network	Blink	BP_PULSE	bp pulse	CHARGELAB	ChargeLab	CHARGENET	ChargeNet	ChargePoint Network	ChargePoint	CHARGESMART_EV	ChargeSmart EV	CHARGEUP	ChargeUP	CHARGIE	Chargie	CIRCLE_K	CircleK Charge	COUCHE_TARD	CircleK/Couche-Tard Recharge	Circuit électrique	Circuit électrique	eCharge Network	eCharge Network	ELECTRIC_ERA	Electric Era	Electrify America	Electrify America	Electrify Canada	Electrify Canada	Enel X Way	Enel X Way
		Value	Description																																														
		7CHARGE	7Charge																																														
		ABM	ABM																																														
		AMPED_UP	AmpedUp! Networks																																														
		AMPUP	AmpUp																																														
		APPLEGREEN	applegreen electric																																														
		AUTEL	Autel																																														
		BCHYDRO	BC Hydro																																														
		Blink Network	Blink																																														
		BP_PULSE	bp pulse																																														
		CHARGELAB	ChargeLab																																														
		CHARGENET	ChargeNet																																														
		ChargePoint Network	ChargePoint																																														
		CHARGESMART_EV	ChargeSmart EV																																														
		CHARGEUP	ChargeUP																																														
		CHARGIE	Chargie																																														
		CIRCLE_K	CircleK Charge																																														
		COUCHE_TARD	CircleK/Couche-Tard Recharge																																														
		Circuit électrique	Circuit électrique																																														
		eCharge Network	eCharge Network																																														
		ELECTRIC_ERA	Electric Era																																														
		Electrify America	Electrify America																																														
		Electrify Canada	Electrify Canada																																														
		Enel X Way	Enel X Way																																														

Field	Value	Description	
		Value	Description
		ENVIROSPARK	EnviroSpark
		EV BOLT	EV BOLT
		EV Connect	EV Connect
		EVCS	EVCS
		EVGATEWAY	evGateway
		eVgo Network	EVgo
		EVMATCH	EVmatch
		EVOKE	Evoke Systems
		EVPASSPORT	EVPassport
		EVPOWER	eVPower
		EVRANGE	EV Range
		FLASH	FLASH
		FLO	FLO
		FORD_CHARGE	Ford Charge
		FPLEV	FPL EVolution
		FCN	Francis Energy
		GRAVITI_ENERGY	Graviti Energy
		GRAVITY_CHARGING_CENTER	Gravity Charging Center
		HONEY_BADGER	HoneyBadger Charging
		Hwisel	Hwisel
		IN_CHARGE	InCharge
		IVY	Ivy
		JULE	Jule
		KWIK_CHARGE	Kwik Charge by Kwik Trip

Field	Value	Description	
		Value	Description
		LOOP	Loop
		MATCHA	Matcha Electric
		Non-Networked	Non-Networked
		NOODOE	Noodoe
		ON_THE_RUN_EV	On the Run EV
		OpConnect	OpConnect
		PETROCAN	Petro-Canada
		POWERFLEX	PowerFlex
		POWERPORT_EVC	PowerPort EVC
		POWERPUMP	PowerPump
		RED_E	Red E Charging
		REVEL	Revel
		REVITALIZE	Revitalize Charging Solutions
		RIVIAN_ADVENTURE	Rivian Adventure Network
		RIVIAN_WAYPOINTS	Rivian Waypoints
		SHELL_RECHARGE	Shell Recharge
		STAY_N_CHARGE	Stay-N-Charge
		Sun Country Highway	Sun Country Highway
		SWTCH	SWTCH Energy
		Tesla Destination	Tesla Destination
		Tesla	Tesla Supercharger
		TURNONGREEN	TurnOnGreen
		UNIVERSAL	Universal EV Chargers
		VIALYNK	ViaLynk

Field	Value	Description																			
		Value	Description																		
		WATT_EV	WattEV																		
		WAVE	WAVE																		
		ZEFNET	ZEF Network																		
ev_network_ids	Type: record	For electric stations, if the station belongs to an EV charging network, a record describing the network-specific IDs for this station. See <a href="#">EV network ID record fields</a> for response details.																			
ev_network_web	Type: string	For electric stations, the EV charging network Web site, if applicable.																			
ev_pricing	Type: string	For electric stations, information about whether and how much users must pay to use the EVSE port.																			
ev_renewable_source	Type: string	For electric stations, the type of renewable energy used to generate electricity on-site, given as code values as described below: <table><tr><th>Value</th><th>Description</th></tr><tr><td>GEOTHERMAL</td><td>Geothermal</td></tr><tr><td>HYDRO</td><td>Hydropower</td></tr><tr><td>LANDFILL</td><td>Landfill</td></tr><tr><td>LIVESTOCK</td><td>Livestock Operations</td></tr><tr><td>NONE</td><td>None</td></tr><tr><td>SOLAR</td><td>Solar</td></tr><tr><td>WASTEWATER</td><td>Wastewater Treatment</td></tr><tr><td>WIND</td><td>Wind</td></tr></table>		Value	Description	GEOTHERMAL	Geothermal	HYDRO	Hydropower	LANDFILL	Landfill	LIVESTOCK	Livestock Operations	NONE	None	SOLAR	Solar	WASTEWATER	Wastewater Treatment	WIND	Wind
Value	Description																				
GEOTHERMAL	Geothermal																				
HYDRO	Hydropower																				
LANDFILL	Landfill																				
LIVESTOCK	Livestock Operations																				
NONE	None																				
SOLAR	Solar																				
WASTEWATER	Wastewater Treatment																				
WIND	Wind																				

Field	Value	Description						
hy_is_retail	Type: boolean	For hydrogen stations, whether a station offers the retail sale of hydrogen by accepting payment at the point of sale, given as code values as described below:						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>true</td><td>Station meets the criteria to be considered retail.</td></tr><tr><td>false</td><td>Station does not meet the criteria to be considered retail.</td></tr></table>	Value	Description	true	Station meets the criteria to be considered retail.	false	Station does not meet the criteria to be considered retail.
		Value	Description					
		true	Station meets the criteria to be considered retail.					
		false	Station does not meet the criteria to be considered retail.					
hy_pressures	Type: array	For hydrogen stations, any array of strings identifying the pressures of the hydrogen available (in bar), given as code values as described below:						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>350</td><td>350</td></tr><tr><td>700</td><td>700</td></tr></table>	Value	Description	350	350	700	700
		Value	Description					
		350	350					
		700	700					
hy_standards	Type: array	For hydrogen stations, any array of strings identifying which SAE International fueling protocol standard(s) the infrastructure meets, given as code values as described below:						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>J2601</td><td>J2601</td></tr><tr><td>J2601-2</td><td>J2601-2</td></tr></table>	Value	Description	J2601	J2601	J2601-2	J2601-2
		Value	Description					
		J2601	J2601					
		J2601-2	J2601-2					
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.						



Field	Value	Description																												
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:																												
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>GPS</td><td>GPS</td></tr><tr><td>200-9</td><td>Point</td></tr><tr><td>200-8</td><td>Address</td></tr><tr><td>200-7</td><td>Intersection</td></tr><tr><td>200-6</td><td>Street</td></tr><tr><td>200-5</td><td>Neighborhood</td></tr><tr><td>200-5</td><td>Postal Code - Extended</td></tr><tr><td>200-5</td><td>Postal Code</td></tr><tr><td>200-4</td><td>City/Town</td></tr><tr><td>200-3</td><td>County</td></tr><tr><td>200-2</td><td>State/Province</td></tr><tr><td>200-1</td><td>Country</td></tr><tr><td>200-0</td><td>Unknown</td></tr></table>	Value	Description	GPS	GPS	200-9	Point	200-8	Address	200-7	Intersection	200-6	Street	200-5	Neighborhood	200-5	Postal Code - Extended	200-5	Postal Code	200-4	City/Town	200-3	County	200-2	State/Province	200-1	Country	200-0	Unknown
		Value	Description																											
		GPS	GPS																											
		200-9	Point																											
		200-8	Address																											
		200-7	Intersection																											
		200-6	Street																											
		200-5	Neighborhood																											
		200-5	Postal Code - Extended																											
		200-5	Postal Code																											
		200-4	City/Town																											
		200-3	County																											
		200-2	State/Province																											
		200-1	Country																											
200-0	Unknown																													
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).																												

Field	Value	Description
<b>open_date</b>	<b>Type:</b> date	<p>The date that the station began offering the fuel. Note that most propane (LPG) stations do not have open dates. Some open dates are approximate. For electric vehicle charging stations added to the Station Locator through automated data feeds from charging networks, this is either the date provided by the charging network or the date it appeared in the Station Locator if the charging network does not provide an open date. See the <a href="https://afdc.energy.gov/stations/#/find/nearest?show_about=true">About the Alternative Fueling Station Data (https://afdc.energy.gov/stations/#/find/nearest?show_about=true)</a> page for more information.</p> <p>For planned and temporarily unavailable stations, see <code>expected_date</code> for the date when the station is expected to open or reopen</p>
<b>date_last_confirmed</b>	<b>Type:</b> date	The date the station's details were last confirmed.
<b>updated_at</b>	<b>Type:</b> datetime	The time the station's details were last updated (ISO 8601 ( <a href="http://en.wikipedia.org/wiki/ISO_8601">http://en.wikipedia.org/wiki/ISO_8601</a> ) format).
<b>id</b>	<b>Type:</b> integer	A unique identifier for this specific station.

Field	Value	Description																																															
facility_type	Type: string	The type of facility at which the station is located, given as code values as described below:																																															
		Value	Description	AIRPORT	Airport	ARENA	Arena	AUTO_REPAIR	Auto Repair Shop	BANK	Bank	B_AND_B	B&B	BREWERY_DISTILLERY_WINERY	Brewery/Distillery/Winery	CAMPGROUND	Campground	CAR_DEALER	Car Dealer	CARWASH	Carwash	COLLEGE_CAMPUS	College Campus	CONVENIENCE_STORE	Convenience Store	CONVENTION_CENTER	Convention Center	COOP	Co-Op	FACTORY	Factory	FED_GOV	Federal Government	FIRE_STATION	Fire Station	FLEET_GARAGE	Fleet Garage	FUEL_RESELLER	Fuel Reseller	GROCERY	Grocery Store	HARDWARE_STORE	Hardware Store	HOSPITAL	Hospital	HOTEL	Hotel	INN	Inn
		Value	Description																																														
		AIRPORT	Airport																																														
		ARENA	Arena																																														
		AUTO_REPAIR	Auto Repair Shop																																														
		BANK	Bank																																														
		B_AND_B	B&B																																														
		BREWERY_DISTILLERY_WINERY	Brewery/Distillery/Winery																																														
		CAMPGROUND	Campground																																														
		CAR_DEALER	Car Dealer																																														
		CARWASH	Carwash																																														
		COLLEGE_CAMPUS	College Campus																																														
		CONVENIENCE_STORE	Convenience Store																																														
		CONVENTION_CENTER	Convention Center																																														
		COOP	Co-Op																																														
		FACTORY	Factory																																														
		FED_GOV	Federal Government																																														
		FIRE_STATION	Fire Station																																														
		FLEET_GARAGE	Fleet Garage																																														
		FUEL_RESELLER	Fuel Reseller																																														
		GROCERY	Grocery Store																																														
		HARDWARE_STORE	Hardware Store																																														
		HOSPITAL	Hospital																																														
		HOTEL	Hotel																																														
		INN	Inn																																														

Field	Value	Description	
		Value	Description
		LIBRARY	Library
		MIL_BASE	Military Base
		MOTOR_POOL	Motor Pool
		MULTI_UNIT_DWELLING	Multi-Family Housing
		MUNI_GOV	Municipal Government
		MUSEUM	Museum
		NATL_PARK	National Park
		OFFICE_BLDG	Office Building
		OTHER	Other
		OTHER_ENTERTAINMENT	Other Entertainment
		PARK	Park
		PARKING_GARAGE	Parking Garage
		PARKING_LOT	Parking Lot
		PAY_GARAGE	Pay-Parking Garage
		PAY_LOT	Pay-Parking Lot
		PHARMACY	Pharmacy
		PLACE_OF_WORSHIP	Place of Worship
		PRISON	Prison
		PUBLIC	Public
		REC_SPORTS_FACILITY	Recreational Sports Facility
		REFINERY	Refinery
		RENTAL_CAR_RETURN	Rental Car Return
		RESEARCH_FACILITY	Research Facility/Laboratory
		RESTAURANT	Restaurant

Field	Value	Description	
		Value	Description
		REST_STOP	Rest Stop
		RETAIL	Retail
		RV_PARK	RV Park
		SCHOOL	School
		GAS_STATION	Service/Gas Station
		SHOPPING_CENTER	Shopping Center
		SHOPPING_MALL	Shopping Mall
		STADIUM	Stadium
		STANDALONE_STATION	Standalone Station
		STATE_GOV	State/Provincial Government
		STORAGE	Storage Facility
		STREET_PARKING	Street Parking
		TNC	Transportation Network Company
		TRAVEL_CENTER	Travel Center
		TRUCK_STOP	Truck Stop
		UTILITY	Utility
		WORKPLACE	Workplace
intersection_directions_fr	Type: string	Brief additional information about how to locate the station, in French, if available.	
access_days_time_fr	Type: string	Hours of operation for the station, in French, if available.	
bd_blends_fr	Type: string	For biodiesel stations, the level of biodiesel blends the station provides, in French, if available.	

Field	Value	Description								
groups_with_access_code_fr	Type: string	<p>Deprecated: See the <code>access_code</code> , <code>access_detail_code</code> , and <code>status_code</code> fields for equivalent information in a more structured format. (Note: This field will remain for legacy application support.)</p> <p>A description of who is allowed to access the station and other station access information, in French, if available.</p>								
ev_pricing_fr	Type: string	For electric stations, information about whether and how much users must pay to use the EVSE port, in French, if available.								
restricted_access	Type: boolean	<p>For public stations, an indication of whether the station has restricted access, given as a boolean:</p> <table><tr><th>Value</th><th>Description</th></tr><tr><td>true</td><td><p>The station is reserved for patrons of a business, such as guests of a hotel, visitors of a museum, or customers of a retail store.</p><p>These stations differ from private stations. Private stations are those that are strictly reserved for fleets, workplaces, and multi-family housing, and may include stations that are physically inaccessible to the public, such as behind a gate.</p></td></tr><tr><td>false</td><td>The station is open to any driver.</td></tr></table>	Value	Description	true	<p>The station is reserved for patrons of a business, such as guests of a hotel, visitors of a museum, or customers of a retail store.</p> <p>These stations differ from private stations. Private stations are those that are strictly reserved for fleets, workplaces, and multi-family housing, and may include stations that are physically inaccessible to the public, such as behind a gate.</p>	false	The station is open to any driver.		
Value	Description									
true	<p>The station is reserved for patrons of a business, such as guests of a hotel, visitors of a museum, or customers of a retail store.</p> <p>These stations differ from private stations. Private stations are those that are strictly reserved for fleets, workplaces, and multi-family housing, and may include stations that are physically inaccessible to the public, such as behind a gate.</p>									
false	The station is open to any driver.									
maximum_vehicle_class	Type: string	<p>The maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:</p> <table><tr><th>Value</th><th>Description</th></tr><tr><td>LD</td><td>Passenger vehicles (class 1-2)</td></tr><tr><td>MD</td><td>Medium-duty (class 3-6)</td></tr><tr><td>HD</td><td>Heavy-duty (class 7-8)</td></tr></table> <p>Note: This field does not take into account station capacity or other considerations.</p>	Value	Description	LD	Passenger vehicles (class 1-2)	MD	Medium-duty (class 3-6)	HD	Heavy-duty (class 7-8)
Value	Description									
LD	Passenger vehicles (class 1-2)									
MD	Medium-duty (class 3-6)									
HD	Heavy-duty (class 7-8)									
ev_workplace_charging	Type: boolean	<p>For electric stations, an indication of whether the station is available for employees at a workplace, given as a boolean:</p> <table><tr><th>Value</th><th>Description</th></tr><tr><td>true</td><td>The station is at a workplace and primarily used for employee charging.</td></tr><tr><td>false</td><td>The station is not used for employee charging.</td></tr></table>	Value	Description	true	The station is at a workplace and primarily used for employee charging.	false	The station is not used for employee charging.		
Value	Description									
true	The station is at a workplace and primarily used for employee charging.									
false	The station is not used for employee charging.									

**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.

**EV Network ID Record Fields**

Field	Value	Description
station	Type: string	The identifier for the station provided by the EV network, if available.
posts	Type: array	An array of strings containing the identifier(s) for the post(s) provided by the EV network, if available.
ports	Type: array	An array of strings containing the identifier(s) for the port(s) provided by EV network, if available.



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(tel:800-254-6735).

The AFDC is a resource of the U.S. Department of Energy's Vehicle Technologies Office (<https://energy.gov/eere/vehicles/technology-integration>).

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