

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.																		
plus4	Type: string	The plus-4 portion of the station's ZIP code (U.S. ZIP codes only).																		
country	Type: string	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>	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	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>	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.																		

Field	Value	Description																				
access_code	Type: string	<div>A description of who is allowed to access the station, given as code values as described below:</div> <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>	Value	Description	public	Public	private	Private														
Value	Description																					
public	Public																					
private	Private																					
access_detail_code	Type: string	<div>A description of other station access information, given as code values as described below:</div> <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	<div>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)</div> <div>A description of who is allowed to access the station and other station access information.</div>																				
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
		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																																		

Field	Value	Description	
		Value	Description
		FleetOne	Fleet One
		FuelMan	Fuelman
		GasCard	GASCARD
		PacificPride	Pacific Pride
		PHH	PHH
		Proprietor	Proprietor Fleet Card
		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 <u>federal agency record fields</u> for response details.	
bd_blends	Type: string	For biodiesel stations, the level of biodiesel blends the station provides.	
e85_blender_pump	Type: 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.
e85_other_ethanol_blends	Type: array	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:	
		Value	Description
		E15	E15
		E20-E25	E20-E25
		E30-E35	E30-E35
		E40-Plus	E40 and above

Field	Value	Description								
lpg_nozzle_types	Type: array	For LPG stations, an array of strings, identifying the type of nozzles available at the station, given as code values described below: <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									
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.								
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									

Field	Value	Description																		
cng_has_rng	Type: string	<div>For CNG stations, whether the station sells renewable natural gas (RNG), given as code values as described below:</div> <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	<div>For CNG stations, a space separated list of PSI pressures available.</div> <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																			
cng_renewable_source	Type: string	<div>For CNG stations, the type of renewable energy used to generate CNG on-site, given as code values as described below:</div> <table><tr><th>Value</th><th>Description</th></tr><tr><td>GEO THERMAL</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	GEO THERMAL	Geothermal	HYDRO	Hydropower	LANDFILL	Landfill	LIVESTOCK	Livestock Operations	NONE	None	SOLAR	Solar	WASTEWATER	Wastewater Treatment	WIND	Wind
Value	Description																			
GEO THERMAL	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	<div>For CNG stations, the maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:</div> <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 3-5)</td></tr><tr><td>HD</td><td>Heavy-duty (class 6-8)</td></tr></table> <div>Note: This field does not take into account station capacity or other considerations.</div>	Value	Description	LD	Passenger vehicles (class 1-2)	MD	Medium-duty (class 3-5)	HD	Heavy-duty (class 6-8)										
Value	Description																			
LD	Passenger vehicles (class 1-2)																			
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Deprecated: See `maximum_vehicle_class`.
(Note: this field will remain for legacy application support)

Field	Value	Description																		
lng_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																	
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WIND	Wind																			
lng_vehicle_class	Type: string	For LNG stations, the maximum vehicle size that can physically access the fueling infrastructure, given as code values as described below:																		
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lng_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																			
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">SP Inductive - Small paddle inductiveLP Inductive - Large paddle inductiveAvcon 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:																		
		<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>Tesla</td></tr></table>	Value	Description	NEMA1450	NEMA 14-50	NEMA515	NEMA 5-15	NEMA520	NEMA 5-20	J1772	J1772	J1772COMBO	CCS	CHADEMO	CHAdemo	TESLA	Tesla		
		Value	Description																	
		NEMA1450	NEMA 14-50																	
		NEMA515	NEMA 5-15																	
		NEMA520	NEMA 5-20																	
		J1772	J1772																	
		J1772COMBO	CCS																	
		CHADEMO	CHAdemo																	
TESLA	Tesla																			

Field	Value	Description																																																																																						
ev_network	Type: string	For electric stations, the name of the EV charging network, if applicable.																																																																																						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>7CHARGE</td><td>7Charge</td></tr><tr><td>AddÉnergie Technologies</td><td>AddÉnergie</td></tr><tr><td>AMPUP</td><td>AmpUp</td></tr><tr><td>BCHYDRO</td><td>BC Hydro</td></tr><tr><td>Blink Network</td><td>Blink</td></tr><tr><td>CHARGELAB</td><td>ChargeLab</td></tr><tr><td>ChargePoint Network</td><td>ChargePoint</td></tr><tr><td>CHARGEUP</td><td>ChargeUp</td></tr><tr><td>CHARGIE</td><td>Chargie</td></tr><tr><td>CIRCLE_K</td><td>CircleK Charge</td></tr><tr><td>COUCHE_TARD</td><td>CircleK/Couche-Tard Recharge</td></tr><tr><td>Circuit électrique</td><td>Circuit électrique</td></tr><tr><td>eCharge Network</td><td>eCharge Network</td></tr><tr><td>Electrify America</td><td>Electrify America</td></tr><tr><td>Electrify Canada</td><td>Electrify Canada</td></tr><tr><td>EVCS</td><td>EV Charging Solutions</td></tr><tr><td>EV Connect</td><td>EV Connect</td></tr><tr><td>EVGATEWAY</td><td>evGateway</td></tr><tr><td>eVgo Network</td><td>EVgo</td></tr><tr><td>EVRANGE</td><td>EV Range</td></tr><tr><td>FLASH</td><td>FLASH</td></tr><tr><td>FLO</td><td>FLO</td></tr><tr><td>FPLEV</td><td>FPL EVolution</td></tr><tr><td>FCN</td><td>Francis</td></tr><tr><td>GRAVITI_ENERGY</td><td>Graviti Energy</td></tr><tr><td>IVY</td><td>Ivy</td></tr><tr><td>LIVINGSTON</td><td>Livingston Energy Group</td></tr><tr><td>Non-Networked</td><td>Non-Networked</td></tr><tr><td>NOODOE</td><td>Noodoe</td></tr><tr><td>OpConnect</td><td>OpConnect</td></tr><tr><td>PETROCAN</td><td>Petro-Canada</td></tr><tr><td>POWERFLEX</td><td>PowerFlex</td></tr><tr><td>RED_E</td><td>Red E Charging</td></tr><tr><td>RIVIAN_ADVENTURE</td><td>Rivian Adventure Network</td></tr><tr><td>RIVIAN_WAYPOINTS</td><td>Rivian Waypoints</td></tr><tr><td>SemaCharge Network</td><td>SemaConnect</td></tr><tr><td>SHELL_RECHARGE</td><td>Shell Recharge</td></tr><tr><td>Sun Country Highway</td><td>Sun Country Highway</td></tr><tr><td>SWTCH</td><td>Swtch Energy</td></tr><tr><td>Tesla Destination</td><td>Tesla Destination</td></tr><tr><td>Tesla</td><td>Tesla Supercharger</td></tr><tr><td>UNIVERSAL</td><td>Universal EV Chargers</td></tr></table>	Value	Description	7CHARGE	7Charge	AddÉnergie Technologies	AddÉnergie	AMPUP	AmpUp	BCHYDRO	BC Hydro	Blink Network	Blink	CHARGELAB	ChargeLab	ChargePoint Network	ChargePoint	CHARGEUP	ChargeUp	CHARGIE	Chargie	CIRCLE_K	CircleK Charge	COUCHE_TARD	CircleK/Couche-Tard Recharge	Circuit électrique	Circuit électrique	eCharge Network	eCharge Network	Electrify America	Electrify America	Electrify Canada	Electrify Canada	EVCS	EV Charging Solutions	EV Connect	EV Connect	EVGATEWAY	evGateway	eVgo Network	EVgo	EVRANGE	EV Range	FLASH	FLASH	FLO	FLO	FPLEV	FPL EVolution	FCN	Francis	GRAVITI_ENERGY	Graviti Energy	IVY	Ivy	LIVINGSTON	Livingston Energy Group	Non-Networked	Non-Networked	NOODOE	Noodoe	OpConnect	OpConnect	PETROCAN	Petro-Canada	POWERFLEX	PowerFlex	RED_E	Red E Charging	RIVIAN_ADVENTURE	Rivian Adventure Network	RIVIAN_WAYPOINTS	Rivian Waypoints	SemaCharge Network	SemaConnect	SHELL_RECHARGE	Shell Recharge	Sun Country Highway	Sun Country Highway	SWTCH	Swtch Energy	Tesla Destination	Tesla Destination	Tesla	Tesla Supercharger	UNIVERSAL	Universal EV Chargers
		Value	Description																																																																																					
		7CHARGE	7Charge																																																																																					
		AddÉnergie Technologies	AddÉnergie																																																																																					
		AMPUP	AmpUp																																																																																					
		BCHYDRO	BC Hydro																																																																																					
		Blink Network	Blink																																																																																					
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		CHARGIE	Chargie																																																																																					
		CIRCLE_K	CircleK Charge																																																																																					
		COUCHE_TARD	CircleK/Couche-Tard Recharge																																																																																					
		Circuit électrique	Circuit électrique																																																																																					
		eCharge Network	eCharge Network																																																																																					
		Electrify America	Electrify America																																																																																					
		Electrify Canada	Electrify Canada																																																																																					
		EVCS	EV Charging Solutions																																																																																					
		EV Connect	EV Connect																																																																																					
		EVGATEWAY	evGateway																																																																																					
		eVgo Network	EVgo																																																																																					
		EVRANGE	EV Range																																																																																					
		FLASH	FLASH																																																																																					
		FLO	FLO																																																																																					
		FPLEV	FPL EVolution																																																																																					
		FCN	Francis																																																																																					
		GRAVITI_ENERGY	Graviti Energy																																																																																					
		IVY	Ivy																																																																																					
		LIVINGSTON	Livingston Energy Group																																																																																					
		Non-Networked	Non-Networked																																																																																					
		NOODOE	Noodoe																																																																																					
		OpConnect	OpConnect																																																																																					
		PETROCAN	Petro-Canada																																																																																					
		POWERFLEX	PowerFlex																																																																																					
		RED_E	Red E Charging																																																																																					
		RIVIAN_ADVENTURE	Rivian Adventure Network																																																																																					
		RIVIAN_WAYPOINTS	Rivian Waypoints																																																																																					
		SemaCharge Network	SemaConnect																																																																																					
		SHELL_RECHARGE	Shell Recharge																																																																																					
		Sun Country Highway	Sun Country Highway																																																																																					
		SWTCH	Swtch Energy																																																																																					
		Tesla Destination	Tesla Destination																																																																																					
		Tesla	Tesla Supercharger																																																																																					
		UNIVERSAL	Universal EV Chargers																																																																																					

Field	Value	Description																			
		Value	Description																		
		Volta	Volta																		
		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 EV network ID record fields 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																				
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NONE	None																				
SOLAR	Solar																				
WASTEWATER	Wastewater Treatment																				
WIND	Wind																				
hy_is_retail	Type: array	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	<div>A rating indicating the approximate accuracy of the latitude and longitude for the station's address, given as code values as described below:</div> <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																													
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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).																												
open_date	Type: date	<div>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 About the Alternative Fueling Station Data (https://afdc.energy.gov/stations/#/find/nearest?show_about=true) page for more information.</div> <div>For planned and temporarily unavailable stations, see <code>expected_date</code> for the date when the station is expected to open or reopen</div>																												
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.																												

Field	Value	Description																																																																																						
facility_type	Type: string	The type of facility at which the station is located, given as code values as described below:																																																																																						
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>AIRPORT</td><td>Airport</td></tr><tr><td>ARENA</td><td>Arena</td></tr><tr><td>AUTO_REPAIR</td><td>Auto Repair Shop</td></tr><tr><td>BANK</td><td>Bank</td></tr><tr><td>B_AND_B</td><td>B&B</td></tr><tr><td>BREWERY_DISTILLERY_WINERY</td><td>Brewery/Distillery/Winery</td></tr><tr><td>CAMPGROUND</td><td>Campground</td></tr><tr><td>CAR_DEALER</td><td>Car Dealer</td></tr><tr><td>CARWASH</td><td>Carwash</td></tr><tr><td>COLLEGE_CAMPUS</td><td>College Campus</td></tr><tr><td>CONVENIENCE_STORE</td><td>Convenience Store</td></tr><tr><td>CONVENTION_CENTER</td><td>Convention Center</td></tr><tr><td>COOP</td><td>Co-Op</td></tr><tr><td>FACTORY</td><td>Factory</td></tr><tr><td>FED_GOV</td><td>Federal Government</td></tr><tr><td>FIRE_STATION</td><td>Fire Station</td></tr><tr><td>FLEET_GARAGE</td><td>Fleet Garage</td></tr><tr><td>FUEL_RESELLER</td><td>Fuel Reseller</td></tr><tr><td>GROCERY</td><td>Grocery Store</td></tr><tr><td>HARDWARE_STORE</td><td>Hardware Store</td></tr><tr><td>HOSPITAL</td><td>Hospital</td></tr><tr><td>HOTEL</td><td>Hotel</td></tr><tr><td>INN</td><td>Inn</td></tr><tr><td>LIBRARY</td><td>Library</td></tr><tr><td>MIL_BASE</td><td>Military Base</td></tr><tr><td>MOTOR_POOL</td><td>Motor Pool</td></tr><tr><td>MULTI_UNIT_DWELLING</td><td>Multi-Family Housing</td></tr><tr><td>MUNI_GOV</td><td>Municipal Government</td></tr><tr><td>MUSEUM</td><td>Museum</td></tr><tr><td>NATL_PARK</td><td>National Park</td></tr><tr><td>OFFICE_BLDG</td><td>Office Building</td></tr><tr><td>OTHER</td><td>Other</td></tr><tr><td>OTHER_ENTERTAINMENT</td><td>Other Entertainment</td></tr><tr><td>PARK</td><td>Park</td></tr><tr><td>PARKING_GARAGE</td><td>Parking Garage</td></tr><tr><td>PARKING_LOT</td><td>Parking Lot</td></tr><tr><td>PAY_GARAGE</td><td>Pay-Parking Garage</td></tr><tr><td>PAY_LOT</td><td>Pay-Parking Lot</td></tr><tr><td>PHARMACY</td><td>Pharmacy</td></tr><tr><td>PLACE_OF_WORSHIP</td><td>Place of Worship</td></tr><tr><td>PRISON</td><td>Prison</td></tr><tr><td>PUBLIC</td><td>Public</td></tr></table>	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	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
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Field	Value	Description	
		Value	Description
		REC_SPORTS_FACILITY	Recreational Sports Facility
		REFINERY	Refinery
		RENTAL_CAR_RETURN	Rental Car Return
		RESEARCH_FACILITY	Research Facility/Laboratory
		RESTAURANT	Restaurant
		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.	
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	For public stations, an indication of whether the station has restricted access, given as a boolean:	
		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.

Field	Value	Description								
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 3-5)</td></tr><tr><td>HD</td><td>Heavy-duty (class 6-8)</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 3-5)	HD	Heavy-duty (class 6-8)
Value	Description									
LD	Passenger vehicles (class 1-2)									
MD	Medium-duty (class 3-5)									
HD	Heavy-duty (class 6-8)									

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.



(mailto:technicalresponse@icf.com) **Need project assistance?**
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The AFDC is a resource of the U.S. Department of Energy's [Vehicle Technologies Office \(https://energy.gov/eere/vehicles/technology-integration\)](https://energy.gov/eere/vehicles/technology-integration).

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