



LCFS Guidance



Low Carbon Fuel Standard (LCFS) Guidance 19-04

Fueling Supply Equipment Registration

Revised: August 2020

INTRODUCTION

California Air Resources Board's (CARB) Low Carbon Fuel Standard (LCFS) regulation, which appears at sections 95480 to 95503 of title 17, California Code of Regulations, is designed to reduce greenhouse gas emissions associated with the life cycle of transportation fuels used in California. CARB staff has prepared this guidance document to describe the regulatory requirements in a user-friendly format. Unlike the regulation itself, this document does not have the force of law. It is not intended to and cannot establish new mandatory requirements beyond those that are already in the LCFS Regulation, nor can it supplant, replace or amend any of the legal requirements of the regulation. Conversely, any omission or truncation of regulatory requirements does not relieve entities of their legal obligation to fully comply with all requirements of the regulation.

BACKGROUND

The LCFS Regulation¹ requires fuel reporting entities for natural gas, electricity, propane, and hydrogen to register Fueling Supply Equipment (FSE) in the LCFS Reporting Tool and Credit Bank & Transfer System (LRT-CBTS) before they may report fuel quantities. FSE registration must be completed as required by section 95483.2(b)(8) of the LCFS Regulation. Reporting entities must upload the completed FSE registration template with any necessary supporting documents in the LRT-CBTS.² It is recommended that FSE registration requests be submitted in the same quarter in which the fuel is dispensed. This allows for timely review by CARB staff and approval of FSE registrations to facilitate timely reporting for that quarter.

¹ All citations to the LCFS Regulation are found in Title 17, California Code of Regulations (CCR), sections 95480-95503.

² The most updated FSE registration template is available on the LRT-CBTS home page.

<https://arb.ca.gov/lcfsrt/Login.aspx>

The completed FSE registration template with supporting documents must be uploaded into the LRT-CBTS. Upon FSE registration, the applicant will receive a unique LCFS FSE ID that must be used for reporting fuel quantities in the LRT-CBTS pursuant to section 95491.

This guidance document is designed to summarize and describe requirements for FSE registration and fuel reporting by FSE. This guidance also describes the process for FSE de-activation request.

FSE REGISTRATION BY CATEGORY

1. Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG)

For CNG and LNG, each fueling location with multiple fueling positions is considered a single FSE. If multiple fuels (CNG, LNG, propane, etc.) are being dispensed at the same facility then the FSE must be registered separately for each fuel.

- a) FSE Registration Template: For CNG and LNG, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
J	CNG Utility Meter# / LNG Fueling Station ID
K	CNG Utility Name—Fuel Name / LNG Station Owner-Fuel Name.

Column J:

- For CNG, provide the number of the utility meter associated with that FSE as shown on the utility bill.
- For LNG, provide the unique identifier associated with the FSE assigned for fuel accounting or financial accounting or other purposes.

Column K:

- For CNG, provide the name of the utility supplying the natural gas to be dispensed at the FSE as shown on the utility bill. In addition, please add the fuel name (i.e. Name of NG Utility Company – CNG).

- For LNG or L-CLNG facilities, enter the name of the owner of the LNG/L-CNG facility and the fuel name (i.e. Name of LNG/L-CNG Station owner– LNG/L-CNG).

b) Supporting Information: Please provide the following with the FSE template:

- For CNG, upload a copy of most recent utility bill for each FSE. For an FSE dispensing L-CNG, a copy of recent bill of lading must also be uploaded.
- For LNG, upload a copy of most recent invoice or bill of lading for the fuel delivered to the fueling facility.
- If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.

2. Propane

For propane, each fueling location with multiple fueling positions is considered a single FSE. If multiple fuels (CNG, LNG, propane, etc.) are being dispensed at the same facility then the FSE must be registered separately for each fuel.

a) FSE Registration Template: For propane, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
L	Fueling Station ID (Propane)
M	Fueling Station Owner (Propane)

Column L: Provide the unique identifier associated with the FSE assigned for fuel accounting or financial accounting or other purposes.

Column M: Provide the name of the owner of the FSE.

- b) Supporting Information: Please provide the following with the FSE template:
- i. Upload a copy of most recent invoice or bill of lading for the fuel delivered to the fueling facility.
 - ii. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.

3. Hydrogen

For hydrogen, each fueling station with multiple dispensers is considered a single FSE.

- a) FSE Registration Template: For hydrogen, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
N	SOSS Hydrogen Fueling Station ID

Column N: Provide the unique identifier assigned to the hydrogen station by the Station Operational Status System (SOSS) maintained by California Fuel Cell Partnership. For a facility dispensing hydrogen that is not registered in SOSS, please enter “000” as the default ID.

- b) Supporting Information: Please provide the following with the FSE template:
- i. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.

- ii. If the FSE submitted for registration is associated with a HRI application, please include the following note under the Remarks section that will appear in the LRT at the time of submitting FSE registration:

“FSE under consideration are part of a HRI application submitted for the <site name> with the <Correspondence Reference ID>.”

Please include the name of the site as provided in the HRI application and the Correspondence Reference ID through which the HRI application was submitted. It is preferred if any such FSE registration request is received as a separate batch, if possible.

4. Non-residential EV Charging

For non-residential EV charging, FSE refers to each piece of equipment capable of measuring the electricity dispensed for EV charging. This includes FSE used for charging eligible on-road electric Light and Medium Duty Vehicle (LDV/MDV) and Heavy-duty Vehicle (HDV). If there are multiple FSEs at the same location, each FSE must be registered separately.

- a) FSE Registration Template: For non-residential EV charging, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
O	Charging Type
P	EV-FSE Serial #
Q	EV-FSE Manufacturer

Column H and I: To ensure that the location of each FSE is accurately included with FSE registration, please measure and provide latitude and longitude for each FSE with a precision of 10 meters or less (use of a Global Positioning System (GPS) device is likely necessary in order to achieve precision up to at least five decimal places on each geo-coordinate).

Column O: This column helps identify the type of charging and the Electric Vehicle Fueling Supply Equipment (EV-FSE) type used for charging.

- Select **Non-Residential (Level 2)** if the FSE is associated with a level-2 (SAE J1772)³ charger used for non-residential charging of electric LDV/MDV.
- Select **Non-Residential (DCFC – CHAdeMO)** if the FSE is associated with a Direct Current Fast Charger (DCFC) supporting only CHAdeMO⁴ charging protocol used for non-residential charging of electric LDV/MDV.
- Select **Non-Residential (DCFC – CCS)** if the FSE is associated with a Direct Current Fast Charger (DCFC) supporting only CCS⁵ charging protocol used for non-residential charging of electric LDV/MDV.
- Select **Non-Residential (DCFC – Tesla)** if the FSE is associated with a Direct Current Fast Charger (DCFC) supporting only Tesla charging protocol used for non-residential charging of electric LDV/MDV.
- Select **On-road Heavy Duty EV Charging** if the FSE is associated with a charging equipment for on-road electric HDV.

Column P: Provide the serial number assigned to each EV-FSE by the Original Equipment Manufacturer (OEM).

Column Q: Provide the name of the OEM of the EV-FSE.

b) Supporting Information: Please provide the following with the FSE template:

- i. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.
- ii. If the FSE submitted for registration are associated with a FCI application, please include the following note under the Remarks section that will appear in the LRT at the time of submitting FSE registration:

“FSE under consideration are part of a FCI application submitted for the <site name> with the <Correspondence Reference ID>.”

³ Level-2 charger refers to the SAE J1772 standard, Electric Vehicle and Plug in Hybrid Electric Vehicle Conductive Charge Coupler. https://www.sae.org/standards/content/j1772_201001/

⁴ CHAdeMO refers the fast charging protocol developed and maintained by CHAdeMO association. <https://www.chademo.com/>

⁵ CCS refers to Combined Charging System (CCS) developed and maintained by the association Charging Interface Initiative (CharIN). <https://www.charinev.org/about-us/who-is-behind-charin/>

Please include the name of the site as provided in the FCI application and the Correspondence Reference ID through which the FCI application was submitted. It is preferred if any such FSE registration request is received as a separate batch, if possible.

5. Metered Residential EV Charging

For metered residential EV charging, FSE refers to each piece of equipment or on-vehicle telematics capable of measuring the electricity dispensed for EV charging.

- a) Incremental Crediting Hierarchy: Any entity can request FSE registration for metered residential EV charging. Pursuant to section 95483(c)(1)(B)2, multiple claims for incremental credits for metered residential EV charging associated with a particular FSE will be resolved pursuant to the following hierarchy:
- **First Priority:** The Load Serving Entity (LSE) supplying electricity to the EV associated with the FSE ID that has metered charging data.
 - **Second Priority:** The manufacturer of the EV associated with the FSE ID providing metered charging data.
 - **Third Priority:** Any entity, not covered above, that can provide metered charging data. If two or more entities with third priority register for the same FSE, incremental credits will be issued to the first entity to register, unless or until the second entity is able to demonstrate a superior claim.



For non-metered residential EV charging, an Electrical Distribution Utility (EDU) is eligible to generate incremental credits for supplying low-CI electricity to an EV in its service territory if a VIN for that EV is not registered as FSE for metered residential charging. To generate incremental credits for non-metered residential charging for a given quarter, the EDU must provide the list of all VINs and residing ZIP codes for eligible EVs by the end of every quarter using the template provided on the [LCFS Guidance Documents and FAQs](#) webpage. CARB staff will notify each EDU which VINs are not claimed for metered residential charging and are available for non-metered residential EV charging before crediting incremental credits.

Upon CARB request, the EDU must provide evidence of EV registration and low-carbon electricity supply at the residential location.

For metered residential EV charging, if an entity submits registration request for a FSE that is already registered in the LRT-CBTS by another entity, the following applies:

- If the new registration is from an entity with lower priority in the hierarchy than the entity holding the FSE registration, the new FSE registration will

be denied and the entity with higher priority in hierarchy retains the FSE registration.

- If the new registration is from an entity with higher priority in the hierarchy than the entity holding the FSE registration, the FSE registration will be approved, and it is made available to the entity with higher priority in hierarchy for reporting the quarter of approval. The entity holding the prior registration will be notified in the same quarter.

b) *FSE Registration Template*: For metered residential EV charging, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
O	Charging Type
P (if off-vehicle meter is used as FSE)	EV-FSE Serial #
Q	EV-FSE Manufacturer
R	VIN

Column O: This column helps identify the type of charging and the EV-FSE type used for charging.

- Select **Residential Incremental – Off-Vehicle (Level 2)** if the FSE is associated with a level-2 (SAE J1772)⁶ charger used for residential EV charging.
- Select **Residential Incremental – Off-Vehicle (Level 1)** if the FSE is associated with a level-1 charger used for residential EV charging.
- Select **Residential incremental – On-Vehicle (telematics)** if the FSE is associated with on-vehicle telemetry capable of metering residential EV charging.

Column P: If off-vehicle meter is used as FSE, provide the serial number assigned to each equipment by the OEM. If on-vehicle telemetry is used as FSE, this column can be left blank (the template allows entry up to 35 characters in this field).

Column Q: If off-vehicle meter is used as FSE, provide the name of OEM. If on-vehicle telemetry is used as FSE, provide name of the automaker for the EV.

⁶ Level-2 charger refers to the SAE J1772 standard, Electric Vehicle and Plug in Hybrid Electric Vehicle Conductive Charge Coupler. https://www.sae.org/standards/content/j1772_201001/

Column R: Provide Vehicle Identification Number (VIN) of the EV that is expected for residential charging.



Prior to requesting FSE registration, a prospective metered residential incremental credit generator must update their **Organization Profile** in the LRT-CBTS to identify themselves as applicable for **Residential EV Charging** under Registration Categories.

6. Electric Cargo Handling Equipment (eCHE)

For eCHE, FSE refers to the facility or location where electricity is dispensed for fueling. If there are multiple equipment capable of measuring the electricity dispensed to eligible transport applications at the facility or location, each independent piece of equipment may be registered as FSE.

- a) FSE Registration Template: For eCHE, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
O	Charging Type
P	EV-FSE Serial #
Q	EV-FSE Manufacturer

Column O: Select eCHE as the charging type.

Column P: Provide the OEM assigned serial number to the metering equipment used to measure the electricity supplied to eligible eCHE. If there are multiple equipment capable of measuring the electricity dispensed to eligible transportation application at the facility or location, each piece of equipment can be registered as a separate FSE.

Column Q: Provide the name of the OEM of the metering equipment referred to in Column P.

- b) Eligible eCHE: The list of eligible eCHE cargo handling equipment qualified for LCFS crediting as per the LCFS Regulation is available on the [LCFS Guidance Documents and FAQs](#) webpage. If an equipment is not covered in the list, please contact LCFS staff.



For the purpose of LCFS crediting an electric yard truck is considered a heavy-duty truck and will be reported as electric truck with an Energy Economy Ratio (EER) value of 5.0.

- c) Supporting Information: Please provide the following with the FSE template:
- i. Documentation demonstrating that the applicant entity is the owner of the FSE. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.
 - ii. To support prevention of duplicate claims for LCFS crediting at the same facility or location, please provide a list of equipment being charged at the registered facility or location using the **eCHE, eOGV, eTRU, Forklift, Equipment Detail Template** available on the [LCFS Guidance Documents and FAQs](#) webpage. This information should include Equipment Type, OEM if applicable, OEM unique identifier, or other unique equipment identifier.

7. Electric Power for Ocean-Going Vessels (eOGV)

For eOGV, FSE refers to the facility or location where electricity is dispensed for fueling. If there are multiple equipment capable of measuring the electricity dispensed to eligible transport applications at the facility or location, then each independent piece of equipment may be registered as FSE.

- a) FSE Registration Template: For eOGV, the following columns must be completed as applicable in the FSE registration template per FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code

Column	Column Title
H	Latitude
I	Longitude
O	Charging Type
P	EV-FSE Serial #
Q	EV-FSE Manufacturer

Column O: Select eOGV as the charging type.

Column P: Provide the OEM assigned serial number to the metering equipment used to measure the electricity supplied to eligible eOGV. If there are multiple pieces of equipment capable of measuring the electricity dispensed to eligible transportation applications at the facility or location, each piece of equipment may be registered as a separate FSE.

Column Q: Provide the name of the OEM of the metering equipment referred to in Column P.

b) Supporting Information: Please provide the following with the FSE template:

- i. Documentation demonstrating that the applicant entity is the owner of the FSE. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.
- ii. To support prevention of duplicate claims for LCFS crediting at the same facility or location, please provide a list of equipment being charged at the registered facility or location using the eCHE, eOGV, eTRU, Forklift, Equipment Detail Template available on the LCFS Guidance Documents and FAQs webpage. This information should include Equipment Type, OEM if applicable, OEM unique identifier, or other unique equipment identifier.

8. Electric Transportation Refrigeration Unit (eTRU)

For eTRU, FSE refers to each transportation refrigeration unit and each unit must be registered as FSE for reporting purposes. If same eTRU is being operated at multiple locations, it may be registered as a different FSE for each location.


- a) FSE Registration Template: For eTRU, the following columns must be completed in the FSE registration template as applicable. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
O	Charging Type
P	EV-FSE Serial #
Q	EV-FSE Manufacturer

Column O: Select eTRU as the charging type.

Column P: Provide the OEM assigned serial number to each eTRU.

Column Q: Provide the name of the OEM of the eTRU.

 The LCFS Regulation requires the quantity of electricity dispensed to eTRU to be reported per FSE, i.e., eTRU. However, if each eTRU is not equipped to measure electricity consumption or separate measuring devices are not available to measure electricity per eTRU, an average value of electricity based on total electricity measured for a fleet of eTRU in a given quarter can be reported per FSE.

b) Supporting Information: Please provide the following with the FSE template:

- i. Documentation demonstrating that the applicant entity is the owner of the FSE. If the applicant is not the FSE owner, documentation must be provided demonstrating that the FSE owner designated the applicant entity to register the FSE and act as the fuel reporting entity and credit generator on its behalf. This documentation must include the name and address of the entity that owns the FSE.
- ii. To support prevention of duplicate claims for LCFS crediting at the same facility or location, please provide a list of equipment being charged at the registered facility or location using the **eCHE, eOGV, eTRU, Forklift, Equipment Detail Template** available on the [LCFS Guidance Documents and FAQs](#) webpage. This information should include Equipment Type, OEM if applicable, OEM unique identifier, or other unique equipment identifier.

9. Electric Forklifts

For electric forklifts, FSE refers to the facility or location where electricity is dispensed for fueling. If there are multiple pieces of equipment capable of measuring the electricity dispensed to eligible transport applications at the facility or location, each piece of equipment may be registered as FSE.

- a) FSE Registration Template: For electric forklifts, the following columns must be completed as applicable in the FSE registration template for each FSE. See Appendix A for description of each column in the FSE registration template.

Column	Column Title
A	Company FEIN
B (if applicable)	Designee Role, Yes or No?
C (if applicable)	Designator FEIN
D	Facility Name
E	Facility Street Address
F	City Name
G	Zip Code
H	Latitude
I	Longitude
O	Charging Type
P	EV-FSE Serial #
Q	EV-FSE Manufacturer

Column O: Select eForklifts as the charging type.

- b) Supporting Information: Please provide the following with the FSE template:
- i. If the applicant entity is not the electric forklift fleet owner, documentation must be provided demonstrating that the forklift fleet owner has designated the applicant entity to be the fuel reporting entity and credit generator on its behalf.
 - ii. To support prevention of duplicate claims for LCFS crediting for the same forklift, please provide a list of forklifts charged at the registered facility or location using the **eCHE, eOGV, eTRU, Forklift, Equipment Detail Template** available on the [LCFS Guidance Documents and FAQs](#) webpage. The supplemental information must include equipment type, OEM name, OEM issued unique identifier, DMV or DOT Issued VIN (if applicable), forklift model year, equipment location (physical address and geographic coordinates). Each FSE Registration Upload should contain a single facility with one equipment template covering all the forklifts in that facility.
 - iii. If information contained in the forklift equipment list changes, the fuel reporting entity must notify CARB with an updated Equipment Detail

Template for each FSE, and submitted prior to the quarterly report deadline.

10. Electric Fixed Guideway Systems

Please contact CARB staff. CARB assigns FSE IDs for reporting electricity supplied to fixed guideway systems based on the information provided by the registrant in the LRT-CBTS account registration form.

11. Other

If a fuel reporting entity does not find any of the above 10 categories suitable for FSE registration and intends to submit the registration under “Other” category, then it must specify type of equipment in the “Description” of file upload.

a) Supporting Information: Please provide the following with the FSE template:

- i. To prevent duplicate claims for LCFS crediting for the same equipment that is not capable of measuring the electricity, please provide a list of equipment charged at the registered facility or location using the **Template** available on the [LCFS Guidance Documents and FAQs](#) webpage. Each FSE Registration Upload should contain a single facility with one equipment template

The information for the equipment should also be entered in the forklift template.

FSE DE-ACTIVATION

The request for de-activation of an existing FSE should include the following steps:

- Submit the request via LRT-CBTS correspondence;
- In a cover letter (on the company’s letterhead), provide the FSE and LFF ID for FSE to be de-activated and the last reporting quarter; and
- If more than five FSE are on the list, then also provide an excel spreadsheet with the following columns: LFF ID, FSE ID, and the last reporting quarter.

CONTACT

If you have questions regarding the above information, please visit the LCFS Contacts webpage: <https://www.arb.ca.gov/fuels/lcfs/contact.htm>.

APPENDIX A

Below table provides a description of columns available in the FSE registration template.

Column	Column Title	Description
A	Company FEIN	The Federal Employer Identification Number (FEIN) for the reporting entity submitting the Fueling Supply Equipment (FSE) Registration Template. FEIN is a nine-digit number e.g., 12-3456789).
B	Designee Role (Yes or No)	Please enter "Yes" or "No" in this field to specify if you are designated by another entity to register each FSE. The Designee Role must be specified for each line item of FSE registration. Please note that the information under the "Designee Role" and "Designator FEIN" must be consistent with the LRT-CBTS registration regarding Designators. A designator must be added into the LRT-CBTS registration prior to the FSE registration.
C	Designator FEIN	If you enter "Yes" in the "Designee Role Yes or No?" column, include the Federal Employer Identification Number (FEIN) for the designator in the Designator FEIN field. Please note that the information under the "Designee Role" and "Designator FEIN" must be consistent with the LRT-CBTS registration regarding Designators. A designator must be added into your LRT-CBTS registration prior to the FSE registration.
D	Facility Name	The name used to identify the fueling facility in California where the FSE is located (e.g., name of the CNG station, name of the H2 station, and name of the location where EV charger is located).
E	Facility Street Address	The street address of the FSE in California.
F	City Name	The name of the city in California where the FSE is located.
G	Zip Code	The zip code in California where the FSE is located.
H	Latitude	Provide latitude coordinate for the FSE in units of decimal degrees up to at least 5 decimal digits with a precision of 10 meters or less. For a larger facility, greater than 10 meters precision is acceptable as long the coordinate does not overlap with any other nearby FSE. Use of GPS devices for locating geo-coordinates with adequate precision is recommended. <i>(Note: Latitude coordinate north of equator is always positive and that south of equator is always negative)</i>

Column	Column Title	Description
I	Longitude	Provide longitude coordinate for the FSE in units of decimal degrees up to at least 5 decimal digits with a precision of 10 meters or less. For a larger facility greater than 10 meters precision is acceptable as long it does not overlap with any nearby FSE. Use of GPS devices for locating geo-coordinates with adequate precision is recommended. <i>(Note: Longitude coordinate west of prime meridian is always negative and that east of prime meridian is always positive)</i>
J	CNG Utility Meter #/LNG Facility ID	The identifier for the CNG fueling facility FSE meters as shown on the utility bills, which may be an alphanumeric identifier. If there are multiple CNG facilities being registered, provide a new record in the spreadsheet with a CNG Utility Meter # for each facility. LNG and L-CNG providers submit a unique identifier associated with the FSE used for their own fuel accounting or financial accounting or other purposes and a copy of invoice or bill of lading for the most recent LNG delivery.
K	CNG Utility Name/LNG Facility Owner	For CNG, the name of the utility company providing the natural gas (NG) for the fueling facility FSE meter as shown on the utility bills and the fuel name. (i.e. Name of NG Utility company – CNG). For LNG or L-CLNG facilities, enter the name of the owner of the LNG/L-CNG facility and the fuel name (i.e. Name of LNG/L-CNG Station owner– LNG/L-CNG).
L	Propane Fueling Station ID	The unique identifier for the Propane Fueling Station.
M	Propane Fueling Station Owner	The name of the company that owns the Propane Fueling Station.
N	SOSS Hydrogen Fueling Station ID	Unique Identifier assigned to a hydrogen station in California by the Station Operational Status System (SOSS) which is a software database tool developed and maintained by California Fuel Cell Partnership to publicly monitor the operational status of hydrogen stations.
O	Charging Type	Electric transportation charging types and the Electric Vehicle Fueling Supply Equipment (EV-FSE) type used for charging

Column	Column Title	Description
P	EV-FSE Serial #	The serial number of the Electric Vehicle Fueling Supply Equipment (EV-FSE) assigned by OEM.
Q	EV-FSE Manufacturer	The name of the OEM of the Electric Vehicle Fueling Supply Equipment (EV-FSE).
R	VIN (For Residential Incremental Crediting Only)	The Vehicle Identification Number (VIN) for the vehicle expected to be charged at the residential location.