



California Environmental Protection Agency

# Air Resources Board

## Low Carbon Fuel Standard

### Application Instructions For

#### *Direct Current Fast Charging Infrastructure (FCI) Pathway*

**Release Date: February 11, 2019**

**Updated: August 21, 2020**

*CARB's Low Carbon Fuel Standard 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. Unlike the regulation itself, this user guide 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 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.*

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## Contents

<b>ACRONYMS .....</b>	<b>3</b>
<b>1 INTRODUCTION.....</b>	<b>4</b>
<b>2 LRT-CBTS ACCOUNT REGISTRATION AND MANAGEMENT .....</b>	<b>4</b>
<b>3 APPLICATION FOR DC FAST CHARGING INFRASTRUCTURE .....</b>	<b>4</b>
<b>4 SUBMITTING AN APPLICATION FOR DC FAST CHARGING INFRASTRUCTURE .....</b>	<b>10</b>
<b>5 INFORMING CARB OF APPLICATION CHANGES .....</b>	<b>16</b>
<b>APPENDIX A – ZEV INFRASTRUCTURE REPORTING AND CREDITING TIMELINE .....</b>	<b>18</b>

## Acronyms

CARB	California Air Resources Board
CBTS	Credit Bank & Transfer System
CI	Carbon Intensity
DMS	LCFS Data Management System
EV	Electric Vehicle
FCI	Fast Charging Infrastructure
FEIN	Federal Employer Identification Number
FPC	Fuel Pathway Code
FSE	Fueling Supply Equipment
LCFS	Low Carbon Fuels Standard
LRT	LCFS Reporting Tool
ZEV	Zero Emission Vehicle

## 1 Introduction

The 2018 LCFS amendments added a new crediting mechanism to the LCFS designed to support the deployment of zero emission vehicle (ZEV) infrastructure. That new mechanism<sup>1</sup> bases crediting for ZEV infrastructure on a calculation of capacity of the hydrogen station or direct current (DC) fast charging site, less the actual fuel dispensed. The two categories for ZEV infrastructure are Hydrogen Refueling Infrastructure (HRI) and DC Fast Charging Infrastructure (FCI).

This document is a guide to submitting FCI Applications. A similar guide to submitting an HRI Application can be found here: [https://www.arb.ca.gov/fuels/lcfs/guidance/hri\\_userguide.pdf](https://www.arb.ca.gov/fuels/lcfs/guidance/hri_userguide.pdf)

## 2 LRT-CBTS Account Registration and Management

Organizations that intend to participate in the LCFS program, including the new ZEV fueling infrastructure credit provisions, must register for an account in the LCFS Reporting Tool (LRT) for reporting purposes at: <https://ssl.arb.ca.gov/lcfsrt/Login.aspx>.

For assistance with registering for an account, please see the LRT-CBTS User Guide at: [https://www.arb.ca.gov/fuels/lcfs/reportingtool/userguide\\_lrt\\_cbts\\_v2\\_registration\\_010919.pdf](https://www.arb.ca.gov/fuels/lcfs/reportingtool/userguide_lrt_cbts_v2_registration_010919.pdf).

## 3 Application for DC Fast Charging Infrastructure

An application template for FCI is available for download here: [https://www.arb.ca.gov/fuels/lcfs/guidance/fci\\_application.xlsx](https://www.arb.ca.gov/fuels/lcfs/guidance/fci_application.xlsx). This section describes how to fill out the application template for FCI.

For each DC fast charging station, the Fueling Supply Equipment (FSE) **owner**, who is the regulated entity, should submit an application in the LRT-CBTS that contains the information described below. All fields marked with an asterisk (\*) must be filled out for an application to be complete.

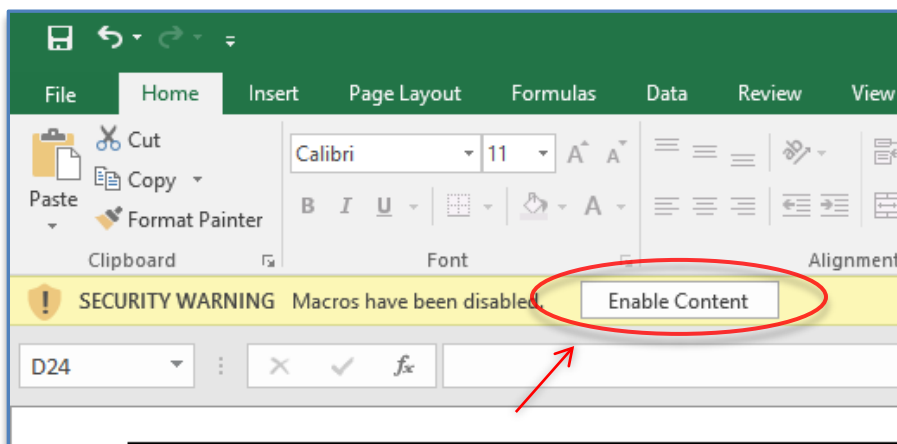
Please note, currently the available application template may only be completed on a Windows computer using Microsoft Excel software because it is **not** supported on Mac computers.

### **STEP 1**

Make sure that the macros are enabled in the Excel file by clicking the “Enable Content” button.

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<sup>1</sup> 95486.2



**STEP 2**

Complete the Station Owner Details section with the name and address of the proposed site and the Applicant Representative section with the information of the contact person for the owner entity.

The Federal Employee Identification Number (FEIN) must be the same nine-digit number as currently registered by the entity in the LRT.

<b>Station Owner Details</b>	
Organization Name * <input type="text"/> Address Line 1 * <input type="text"/> City * <input type="text"/> Zip Code * <input type="text"/>	Federal Employee Identification Number (FEIN) * <input type="text"/> Address Line 2 <input type="text"/> State or Province * <input type="text"/> Country * <input type="text"/>
<p><b>Must be same FEIN as entity that is already registered in the LRT</b></p>	
<b>Applicant Representative</b>	
Primary Contact Name * <input type="text"/> Business Phone * <input type="text"/> Email * <input type="text"/>	Title Position * <input type="text"/> Mobile Phone * <input type="text"/>

**STEP 3**

Complete the Station Details with information for the proposed site. To more accurately locate the site, the latitude and longitude must be provided with at least 5 decimal places. However, if the fifth decimal place is a 0, we suggest providing at least 6 decimal places if available.

**Station Details**

Station Name \*

Address Line 1 \*

Address Line 2 \*

City \*

Zip Code \*

Location \*  Latitude  Longitude

Expected Date of Station Operation Start \*  (mm/dd/yyyy)

## STEP 4

Complete the daily permitted hours of operation for the proposed station.

Expected Daily Permitted Hours \*

24 hours

Less than 24 hours

If the daily permitted hours are less than 24 hours, indicate the hours of operation using the 24-hour clock. For example, if the station is permitted between 6 am and 8 pm, enter 06:00 and 20:00. Once entered, the format of the time will automatically shift to regular time. If less than 24 hours, the applicant must attach documentation in pdf format provided by the applicable permitting authority demonstrating permitted hours for the site.

Expected Daily Permitted Hours \*

Hours of Operation  to  24 hours

Make sure to include supporting documentation **Attach pdf file** →  Hour of operation information

Attach File

Not Included

## STEP 5

Provide a description of the site the total number of DCFCs (FSEs) at the site, and the maximum total site power that can be delivered to all fast chargers at the site when they are operating simultaneously. For the site description, we suggest including details that will help CARB understand the nature of the site. For example, it is helpful to indicate if it is a stand-alone site or part of a store parking lot, if the expected purpose of the site is to serve as a connector station for long trips or these are in-city chargers, if the site is a developed partnership with other companies or agencies, etc.

Description of Site

Maximum Total Site Power \*  kW

Number of FSEs at Site \*

## STEP 6

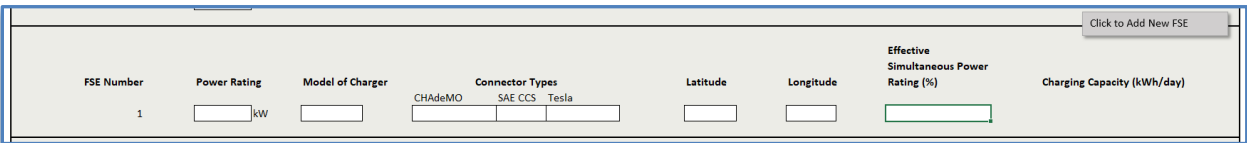
For each FSE, indicate the power rating and model of charger. Choose the applicable connector type(s) using the drop-down menu for each category and include the effective simultaneous power rating. If the FSE is registered in the LRT, include the FSEID and the location associated with the registered FSE (latitude and longitude). If the FSE is not yet

registered, these fields may be left blank, but please include a note in the LRT correspondence at the time of application submission that you have read and understood the post-application FSE registration instructions provided in the section 5 below.



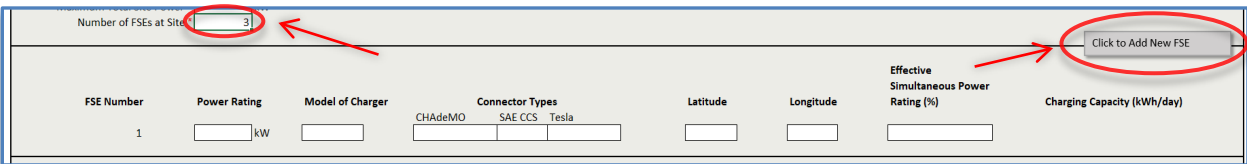
Please see section 5 of this document for instructions on updating the FSEID upon registration of FSE after submitting the FCI application.

The FCI Charging Capacity will automatically be calculated based on the FSE power rating.



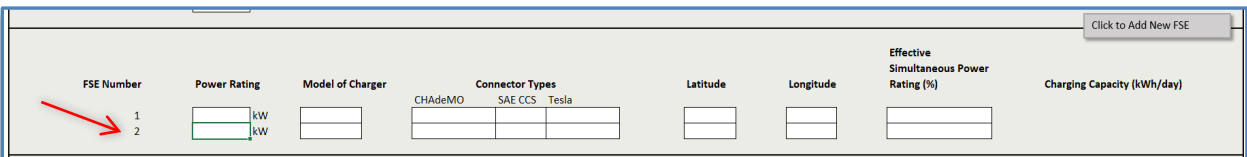
FSE Number	Power Rating	Model of Charger	Connector Types	Latitude	Longitude	Effective Simultaneous Power Rating (%)	Charging Capacity (kWh/day)
1	<input type="text"/> kW	<input type="text"/>	CHAdcMO SAE CCS Tesla	<input type="text"/>	<input type="text"/>	<input type="text"/>	

To add a new FSE, click on the “Click to Add New FSE” button. Ensure that the number of FSEs does not exceed the number of FSEs at the site indicated in the previous section.



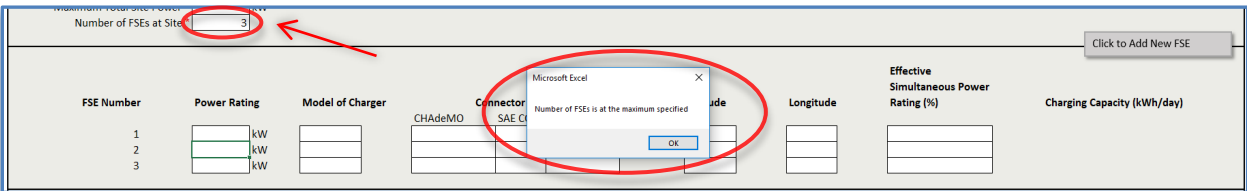
FSE Number	Power Rating	Model of Charger	Connector Types	Latitude	Longitude	Effective Simultaneous Power Rating (%)	Charging Capacity (kWh/day)
1	<input type="text"/> kW	<input type="text"/>	CHAdcMO SAE CCS Tesla	<input type="text"/>	<input type="text"/>	<input type="text"/>	

After clicking the “Click to Add New FSE” button, another row will appear for the next FSE. Fill in the information for the next FSE and repeat until the information for all FSEs on the site are included.



FSE Number	Power Rating	Model of Charger	Connector Types	Latitude	Longitude	Effective Simultaneous Power Rating (%)	Charging Capacity (kWh/day)
1	<input type="text"/> kW	<input type="text"/>	CHAdcMO SAE CCS Tesla	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	<input type="text"/> kW	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

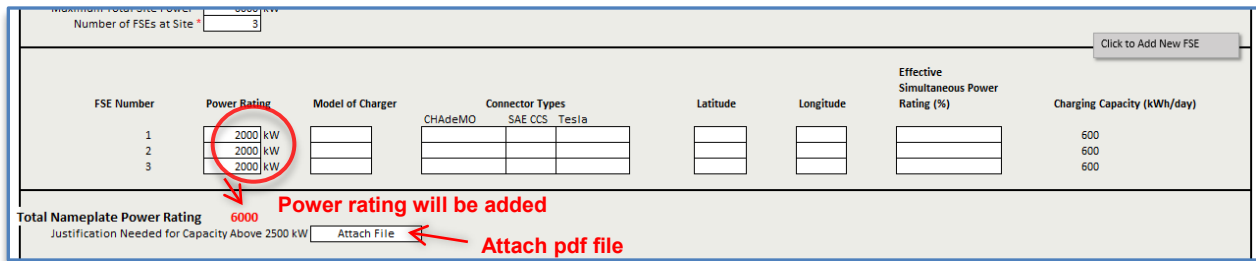
If the applicant tries to add an additional FSE that exceeds the number of FSEs indicated in the section above, a message will appear indicating that the number of FSEs is already at the maximum specified by the applicant.



FSE Number	Power Rating	Model of Charger	Connector Types	Latitude	Longitude	Effective Simultaneous Power Rating (%)	Charging Capacity (kWh/day)
1	<input type="text"/> kW	<input type="text"/>	CHAdcMO SAE CCS Tesla	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	<input type="text"/> kW	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	<input type="text"/> kW	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

## STEP 7

Typically, the total nameplate power rating of a single site that is eligible to receive FCI credits cannot exceed 2,500 kW. However, applicants may request a higher nameplate power rating to be eligible for FCI credits (up to 6,000 kW). Applicants who request a higher nameplate power rating must provide a document justifying the request, and approval is subject to CARB's discretion. The total number of FSEs receiving FCI credits at sites with total nameplate power rating greater than 2,500 kW cannot exceed 10 percent of the total number of FSEs receiving FCI credits.

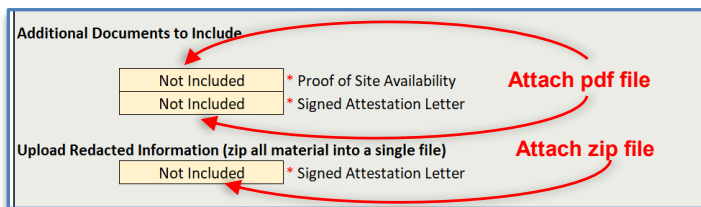


FSE Number	Power Rating	Model of Charger	Connector Types			Latitude	Longitude	Effective Simultaneous Power Rating (%)	Charging Capacity (kWh/day)
			CHAdeMO	SAE CCS	Tesla				
1	2000 kW							600	
2	2000 kW							600	
3	2000 kW							600	

Total Nameplate Power Rating: 6000  
 Justification Needed for Capacity Above 2500 kW:  Attach File

## STEP 8

Attach a document showing proof of site availability and a signed attestation letter using the drop-down menu. For the proof of site availability, submit documentation showing that the applicant owns the site or proof of correspondence with the site owner regarding use of the site (for example, a conditional agreement with the site owner or land survey of the site conducted by the applicant). The signed attestation letter from the applicant must attest to the veracity of the information in the application packet. If necessary, upload appropriate files in redacted form as a single zip file using the drop-down menu.



**Additional Documents to Include**

- Not Included \* Proof of Site Availability **Attach pdf file**
- Not Included \* Signed Attestation Letter **Attach pdf file**

**Upload Redacted Information (zip all material into a single file)**

- Not Included \* Signed Attestation Letter **Attach zip file**

The attachments will be indicated in the Attachment Box, as shown below. Note that the attachments are in .pdf or .zip format. If the applicant has additional supporting documentation that cannot be converted to .pdf, then refer to this information in the uploaded .pdf document and submit the additional documentation as separate attachments in the same LRT correspondence.



Expected Daily Permitted Hours \*  Hours of Operation  to  14:00 Hours  
 Make sure to include supporting documentation  Hour of Operation Information

Description of Site

Maximum Total Site Power \*  kW  
 Number of FSEs at Site \*

Entry Number	Power Rating	Model of Charger	Connector Types			Latitude	Longitude	Effective Simultaneous Power Rating (kW)	Charging Capacity (kWh/day)
			CHAdeMO	SAE CCS	Tesla				
1	2000 kW							600	
2	2000 kW							600	
3	2000 kW							600	

**Total Nameplate Power Rating 6000**  
 Justification Needed for Capacity Above 2500 kW

Additional Documents to Include

\* Proof of Site Availability  
 \* Signed Attestation Letter

Upload Redacted information (zip all material into a single file)  
 \* -file Containing Any Redacted Material

I certify that the station meets the following requirements:

No \* Station under consideration will be open to the public  
 No \* Station under consideration is not receiving funding pursuant to any settlement related to any California or Federal regulation enforcement

Attachment Box

Site Availability  
 Attestation  
 Capacity Justification Permitting

Redacted

## STEP 9

Certify that the station under consideration will be open to the public, is and will not be not receiving funding pursuant to any settlement related to any California or Federal regulation enforcement, is not being built as a required mitigation measure for CEQA, was not permitted to operate prior to January 1, 2019, each FSE has a minimum nameplate power rating of 50 kW, and each FSE is networked and capable of monitoring and reporting its availability for charging by choosing “Yes” from the drop-down menu.

I certify that the station meets the following requirements:

Yes \* Station under consideration will be open to the public

Yes \* Station under consideration is not receiving funding pursuant to any settlement related to any California or Federal regulation enforcement

Yes \* Station under consideration is not built as a required mitigation measure for CEQA

Yes \* Station was not permitted to operate prior to January 1st, 2019

Yes \* Each FSE has a minimum nameplate power rating of 50 kW

No \* Station networked and capable of monitoring and reporting its availability for charging  
 Yes

Redacted

Redacted

## 4 Submitting an Application for DC Fast Charging Infrastructure

All applications must be submitted to the LRT using the Correspondence feature.

### **STEP 1**

Log into the LRT-CBTS using your username and password.

Version: V2.9950

CA.GOV CALIFORNIA AIR RESOURCES BOARD

**For Reporting Use Only** Contact ARB

### LOW CARBON FUEL STANDARD

Reducing the Carbon Intensity of California Transportation Fuels

#### LRT-CBTS & AFP Login

Username:

Password:

Login

Reset Password

#### Low Carbon Fuel Standard Reporting Tool and Credit Bank & Transfer System (LRT-CBTS)

**LRT-CBTS Account**

Click the "LRT-CBTS Account" if you are the designated administrator or primary contact person for LCFS Quarterly and Annual Reporting and have not registered your organization. Upon account approval by ARB you will be able to login and assign roles to other users. Only users assigned "Signatory Authority" are able to submit LCFS reports. If you are an employee of a registered organization and you are only in need of a user account, please contact the administrator for your organization.

**CBTS Broker Account**

Click the "CBTS Broker Account" if you need an account solely for transferring LCFS credits. You will be registered as a "Broker" in the system upon account approval by ARB and will be notified by email. You will be added to the list of registered brokers. LCFS Regulated Parties will be able to select brokers from the list of registered brokers.

### **STEP 2**

Select the Correspondence tab.



### **STEP 3**

Create a new post per application by clicking on the "New Post" button.



A new post will appear.

LCFS Correspondence - New Post

Post To : Stellar Oil Co - (Test Org.)

Ref. # :

Subject/Topic:

Remarks: \*

Action: \* ---Select---

Filename:  No file selected.

Enter "FCI Application-<Site Name>" in the "Subject/Topic" text box. Enter a short description in the "Remarks" text box. Choose "Post New Issue" in the "Action" drop-down menu.

LCFS Correspondence - New Post

Post To : Stellar Oil Co - (Test Org.)

Ref. # :

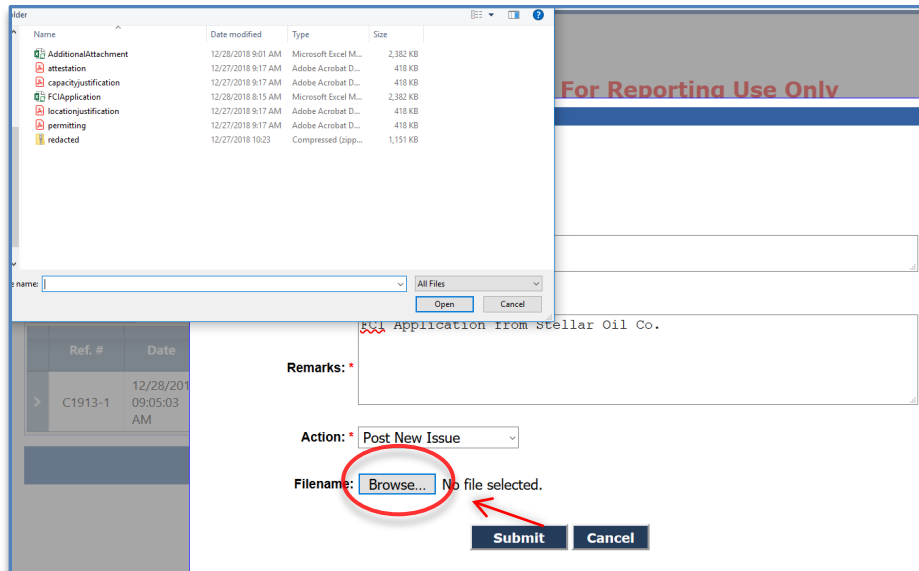
Subject/Topic:

Remarks: \*

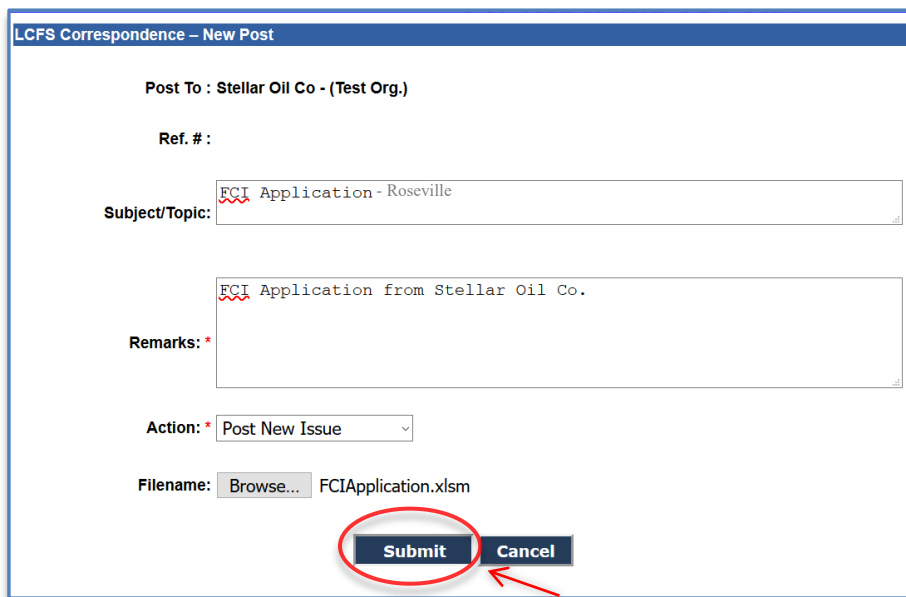
Action: \*

Filename:

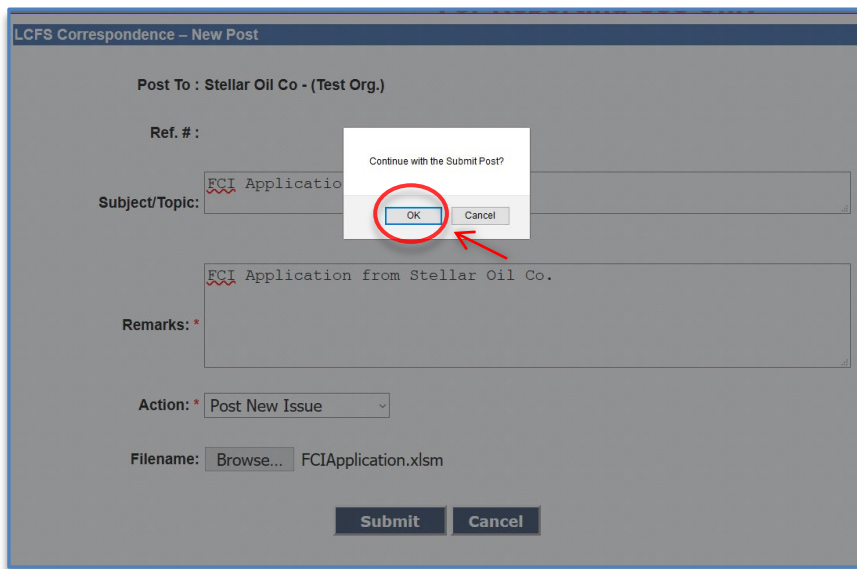
Attach the FCI Application using the “Browse...” function.



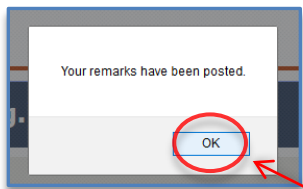
Submit the application by clicking the “Submit” button.



When prompted to continue with submitting the post, click the “OK” button.



When the confirmation prompt appears confirming the post was submitted, click the “OK” button.



#### **STEP 4**

If the applicant would like to submit additional attachments that were not attached to the application, the attachments must be submitted under the same correspondence reference number.

LCFS Correspondence - Stellar Oil Co - (Test Org.)								
New Post								
	Ref. #	Date	Subject/Topic	Submitted By	Status	Filename	Remarks Posted	Remarks
>	C1920	01/09/2019 02:55:24 PM	FCI Application - Roseville	Name	Post New Issue	FCIApplication.xls	FCI Application from Stellar Oil Co.	<a href="#">Add</a>

To submit additional attachments, click on the “Add” button under the Remarks column.

Remarks Posted	Remarks
FCI Application from Stellar Oil Co.	<a href="#">Add</a>

Be sure to check mark the reference number in the “Ref. #’s (optional)” text box. In the “Remarks” text box, indicate that you are submitting an additional attachment and provide a short description of the attachment.

LCFS Correspondence – Add Remarks

Post To : Stellar Oil Co - (Test Org.)

Ref. # : C1920

Subject/Topic: FCI Application - Roseville

Ref. #’s (optional):  C1920 - FCI Application

Remarks: \* C1920: Submitting additional attachment: (short description of attachment)

Action: \* ---Select---

Filename: Browse... No file selected.

Under the “Action” section, select the “Post Clarification” option in the drop-down menu.

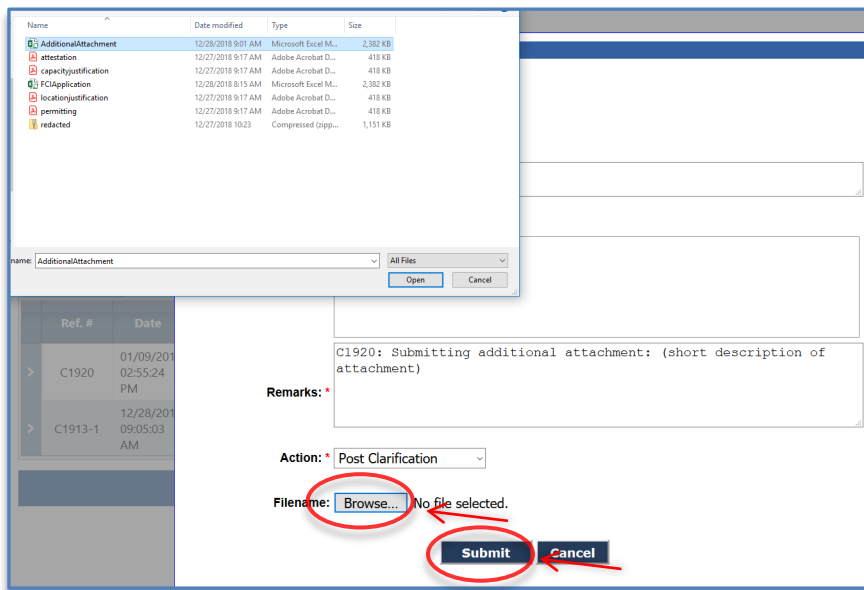
Action: \* Post Clarification

Filename: Issue fixed

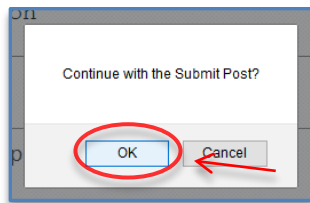
Post Question

Post Clarification

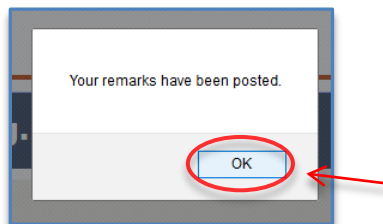
Attach the additional attachment using the “Browse...” button and submit the post by clicking the “Submit” button.



Click “OK” to submit the post when prompted.



Click “OK” when you receive confirmation that the post was submitted.



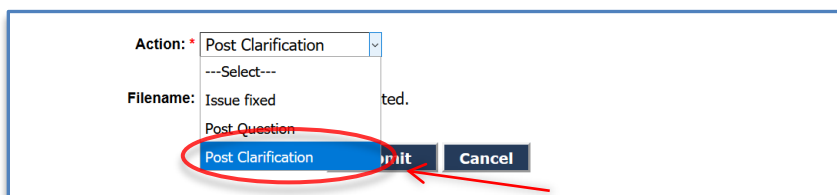
To submit additional attachments, repeat this step (STEP 4) of this section.

## 5 Updating Fueling Supply Equipment (FSE) ID

When a site becomes operational, the FSE must be registered in the LRT prior to generating credits under the FCI provision. Pursuant to section 95486.2(b)(4)(F), the FSE registration must be completed pursuant to section 95483.2(b)(8) of the LCFS regulation.<sup>2</sup>

If the FSE was not registered at the time of submitting the FCI application, then at the time of requesting FSE registration, please include a note in the Remarks section indicating that the FSEs under consideration are part of a submitted FCI application. Please include the Correspondence Reference ID through which the application was submitted and the name of the site as provided in the FCI application. Upon FSE registration, the applicant will receive a unique FSE ID that must be used for reporting fuel transactions in the LRT-CBTS.

If the site was approved for FCI crediting prior to the site becoming operational, the applicant must demonstrate the operability of the FSE within 12 months of application approval pursuant to section 95486.2(b)(4)(G) of the LCFS regulation. If the applicant fails to demonstrate that the FSE is operational within 12 months of approval, the FCI application will be canceled. The actual date of operation, location (latitude and longitude coordinates), and the FSE ID for each FSE must be submitted through the Correspondence feature of the LRT under the original application reference through the “Post Clarification” option in the drop-down menu.



## 6 Informing CARB about Changes to an Application

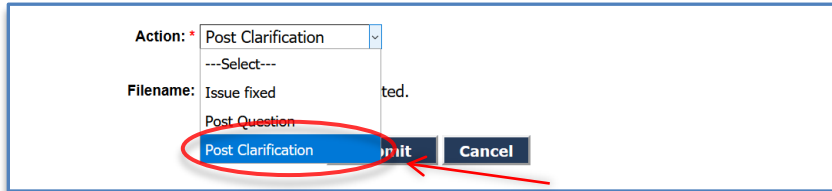
Pursuant to section 95486.2(b)(4)(A), the applicant is responsible for informing CARB of any change in information that deviates from the original FCI application. The applicant must provide updated information, and a new attestation must be submitted pursuant to 95486.2(b)(2). Changes include, but are not limited to, changes to FSE power rating, changes to operational practices, cancellation of the project, or any parameter that could affect FCI crediting. Please note that if FSEs are being added to the site or the power rating is being increased, the applicant must apply for an expansion pursuant to section 95486.2(b)(7).

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<sup>2</sup> For more information on FSE registration process, please refer to LCFS guidance 19-04 available here: <https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/lcfs-guidance-documents-user-guides-and-faqs#guidance>.



The updated application information and attestation must be submitted via the Correspondence feature in the LRT under the original application reference through the “Post Clarification” option in the drop-down menu.



The screenshot shows a web form with the following elements:

- Action:** A dropdown menu with "Post Clarification" selected. The dropdown list is open, showing "Post Clarification" as the selected item and "Post Question" as another option.
- Filename:** A text field containing "Issue fixed" followed by "ted.".
- Buttons:** "Submit" and "Cancel" buttons are located at the bottom right of the form.

A red circle highlights the "Post Clarification" option in the dropdown menu, and a red arrow points from this circle to the "Submit" button.

## APPENDIX A – ZEV Infrastructure Reporting and Crediting Timeline

