**Open Retail Attestation Form**

Station Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Station Location (Street Address, City, State, Zip):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Recipient Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Agreement Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Technology Type (electric charging, hydrogen refueling, or both):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

By completing and signing this Open Retail Station Checklist, the Recipient is self-certifying that the station listed above meets and will adhere to each of the Minimum Technical Requirements for Open Retail Stations of GFO-23-603.

Should this station come out of compliance with the Checklist, or should the design change, the Recipient shall submit to the CEC a new completed, signed, and dated Open Retail Station Checklist.

|  |  |
| --- | --- |
| **Check** | **Electric Vehicle Charging Station Open Retail Station Requirements** |
|  | The station equipment funded under this solicitation conforms with equipment detailed in the [EnergIIZE Eligible EV Technology](https://client-calstart-energiize170606-staging.s3.us-west-2.amazonaws.com/public/EnergIIZE_EV-Technology-Eligibility_03.31.2023.pdf?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Content-Sha256=UNSIGNED-PAYLOAD&X-Amz-Credential=ASIASSSISOGMZ2E3P2ZH%2F20230711%2Fus-west-2%2Fs3%2Faws4_request&X-Amz-Date=20230711T171325Z&X-Amz-Expires=604800&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEEkaCXVzLXdlc3QtMiJHMEUCIQCzBWA6c%2Bb%2BCWEGVYaH6UhcAQS11B3v%2FQCEsk8X8YAd6gIgIYF6yu1fJEVrBWzFs9WOTfLmIjVaF1J3qIe05%2FtKZkIqkAYIwv%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FARADGgwxNzczMTk2MDQ2MzMiDPfTHjCSB%2BZTej96cCrkBQ%2BnnDqmUK2vEK9rm2nN1Zvxg5Hf45etczXvWMi635ME7hLazjvCPAfLBYbmghloI3LMeyFYoTQ3s89CBHD7hqvXXzqEo2s0Ga8oSnJFrV5JbXZxPT1zEEil7i1yHC%2BI2ctpvmUtWVFxonePwk93axQ5dKgNOCYOK%2BCe8jlwoRwuXigQpsBj1q5Y3qBKNnpb7whloFhQqzXJIQy06FZzbG5i7DY%2F1%2F%2BU2ApY1qw%2BbmQaKceZPs%2FoBblKRZ4Au8jFaUtE8P7R5lgSH6s%2BXNU0i978djm3d1mBRmZPME1ycSS%2F6guDNDZpRgKyug%2FVrVSSOaI8ioq4CRgAE%2Fo0gOokUlczMsuPVq6XYwrgkSI%2FXyPomFnko3dghoyeOCz%2BhPjsVRBaE2Vct4FzEuYXORYgHcXYEItAl0bXLlYpVqFF1wU1TlZyoFt%2FYClrLb9zuCoMPTHJIouosLMp6vgzrwgdKNwBYIsmYVdM7k4ZXrC40XMgqVk41wdW0x03%2Bd3khjQOfXZ9Yoi9DJwzYzLKRoq5dJKI2dzG2g2gEYONFhHGAE6zKpVupZ893Iky0wELgDJMPnYuQq9ddt5IA15Tg7GpBke4tqv4L7J5s6lYlNJ0Gm%2B9RI%2BM2Sr2KQlawpwWKifouWIkDGGoyg3pY2SATd%2B5fo98o1t8yFG8%2BeTMdSViCo1p8rJCZnAyzLlcBaoLFK1a1GG4HEmZk%2BkyORlFlq6P5Z0Gbv6i97%2Bhsc0mH5uicctzAwt2EOZPz5hCgjnzNXRqZzhMJPUPz1WRhz9UILxvvY9pdLWnWT4HPmVt%2Fq7d5eHZlAOD4Hi3fprJfnqAD%2BgmHn6UCRgOqDl5dYAD4NakqpfjWrx79ctX%2F%2BDKW0uYx1Xo%2FTBDWvzhbdv8P2YDRXZo1nsY8ayj2w2nwvy7sLNFU%2FMjFC%2FkZ0djtLXpDIlLHl8Ql93Gi%2BSAXvgC0%2BpQFI%2B6L1q%2FJHuYBWrmx0I8NZ9uQm%2BcbilpMP%2BatqUGOocCBsNkNm3xsHI0OnsM4k0Oe1vUuM1dlDvu9H3Kj%2Fjpo1jxbVCWJnrVIr4XWteypL%2FfTPbB7E1gV%2BpeiD06%2FuRKHd6JjD3TafoGJ3bxsfHvQIdf9j%2FN8tkP524bIbPlaRbslmoyth9KdkPMnB1iyTHZEEoe0LoC%2B5Hqy9A6GmvWCWbICa1z2Ibf50soipK%2BtEwWb9XLdTThHZB%2B9F%2BqxxjvaHtNfUagqEfdc8%2BgfKa2TH0HFTBVjQxzzK%2BkpHHoVafUXo65dEPaoX%2Bj8xpEE9%2B4CNvwF6ZM4I6JahahJEgNCvlcPtL15ocDJUIhHLGFDD7ayFuKkYD7RsN1P33Wk18ilAUJfruBMjI%3D&X-Amz-Signature=c9a0a5f857a4ba86e21cb9fa7148ad5b4de0aaf3)  |
|  | Each charging station must simultaneously supply at least 150 kW each to a vehicle when requested. |
|  | Each charging port must support output voltages between 250 volts DC and 920 volts DC.  |
|  | Each charging port must have at least one permanently attached CCS connector. Additional connector types such as CHAdeMO and the North American Charging Standard are allowed to be installed if the previous requirement is still met. |
|  | The station charging ports are capable of 375 Amps.  |
|  | The charging stations are strongly encouraged to have 480 V 3-phase power available and adequate transformer capacity to serve the direct current fast chargers. Do the stations meet this? [ ] [ ]  Yes [ ]  NoIf Yes, check the box to the left. If No, leave blank. |
|  | All station conduit runs installed must be sized to provide at least 350 kW. |
|  | The charging port must be Energy Star certified and listed on the [Energy Star Product Finder Page](https://www.energystar.gov/productfinder/product/certified-evse/results). They do not have to be certified at the time of submitting the proposal but must be certified prior to submitting an invoice that seeks repayment for the chargers. Chargers over 350 kW are not required to be Energy Star certified.  |
|  | The charging ports must conform to ISO 15118-3, and hardware must be capable of implementing both ISO 15118-2 and ISO 15118-20. |
|  | Conformance testing for charger software and hardware follows ISO 15118-4 and 15118-5, respectively. |
|  | The charging ports must conform to OCPP 2.0.1 or later. Manufacturers must attest that the charger conforms to OCPP 2.0.1 or later by detailing it on a publicly available charger specification sheet.   |
|  | The charging port’s networking software must connect to a central management system using OCPP 2.0.1 for the purposes of charger management and data reporting, including for reliability data reporting requirements specified in the solicitation Scope of Work. |
|  | The charging ports must be designed to securely switch network providers without any changes in hardware. |
|  | The charging ports must be networked and must include the following three abilities:  1. Have network connectivity with one of the following:
	1. IEEE 802.11n for high-bandwidth wireless networking, or
	2. IEEE 802.3 for Ethernet for local- or wide-area network applications
2. Be able to receive remote software updates, real-time protocol translation, encryption, and decryption, including:
	1. Internet Protocol (IP)-based processor which must support multiple protocols, and
	2. Compliance with Transmission Control Protocol (TCP)/IP and IPv6.
3. Be able to connect to a network’s back-end software
 |
|  | Each charging port must be covered by and included in a networking agreement for at least six (6) years. |
|  | The charging equipment must be certified by an Occupational Safety and Health Administration Nationally Recognized Testing Laboratory. |
|  | The equipment must be able to withstand extreme weather conditions, including temperature extremes, flooding, heavy rains, and high winds. |
|  | Display screens must be protected from malfunctions due to condensation and any local area weather conditions |
|  | The station sells electricity to the public through a point of sale (POS) that accepts, reads, and processes the magnetic stripe on commercially available credit cards, debit cards, fueling cards, and gift cards. The POS also reads EMV™ chips embedded in the cards and performs financial payment transactions.  |
|  | **Optional:** Does the station POS system wirelessly transmit, receive, and process near-field communications (NFC) to process the signals from contactless cards or mobile devices, i.e., “smart phones,” or accept payment through a mobile application? [ ]  [ ]  Yes [ ]  NoIf Yes, check the box to the left. If No, leave blank. |
|  | The station’s charging components are installed. |
|  | The station has an energized utility connection and source of system power. |
|  | The station has lighting for the dispenser(s) and the station area to provide a well-lit area that is safe, convenient, and accessible for station users. |
|  | The station displays a sign or logo to acknowledge the public agency(ies) that provided funding for the charging station. It also has onsite signage that explains the method of sale requirements. |
|  | **If approved by the respective authority:** Highway and trailblazer signage is installed.Has Caltrans approved state highway signage? [ ]  [ ]  Yes [ ]  NoHas the AHJ approved trailblazer signage on local roads? [ ] [ ]  Yes [ ]  No |
|  | The station has received all required state, local, county, and city permits to build and operate. |
|  | The station has a guard or cover installed over the station emergency shutdown system switch(es). |
|  | The station is accessible to the public * No obstructions or obstacles exist to preclude vehicle operators from entering the station premises.
* The user of the station is not required to obtain or to use access cards or personal identification (PIN) codes for the station to dispense fuel.
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| **Check** | **Hydrogen Station Open Retail Station Requirements** |
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|  | Each dispenser has passed a hydrogen quality test and dispenses hydrogen that complies with California Code of Regulations (CCR) Title 4 Business Regulations, Division 9 Chapter 6 Automotive Products Specifications, Article 8, Hydrogen Fuel Sections 4180 and 4181, which adopts SAE International J2719 (fuel quality).  |
|  | Each dispenser underwent type evaluation testing and has a Temporary Use Permit or Certificate of Approval issued through California Type Evaluation Program, or a Certificate of Conformance issued by the National Type Evaluation Program. |
|  | Each dispenser has successfully passed initial verification of accuracy class tests to receive the county weights and measures seal approving the device for retail use. |
|  | The station conforms to National Fire Protection Association (NFPA) 2 |
|  | **Optional:** Does the station include infrastructure to support fueling of vehicles with compressed hydrogen storage systems (CHSS) that exceed 10 kilograms? [ ]  Yes [ ]  NoIf Yes, check the box to the left that the infrastructure conforms to a defined fueling protocol that the Recipient has described to the California Energy Commission (CEC). If No, leave blank. |
|  | The station conforms to the most recent version of ANSI/CSA HGV 4.9 (hydrogen refueling stations). |
|  | The station conforms to the most recent version of SAE International J2799 (station communications), verified through the most recent version of CSA HGV 4.3. or an equivalently accepted industry standard. |
|  | Each station nozzle conforms to the most recent version of SAE J2600 (nozzles) or International Organization for Standardization (ISO) 17268 (nozzles). Note: Fast fills, (up to 7.2kg/min) require a different nozzle with a different standard (ISO 27268:2012) and are permitted for heavy duty vehicles only. |
|  | The station conforms to one or more of the following fueling protocols or an equivalently accepted industry standard:* J2601 – 1 Category D (greater than 10 kg tank sizes)
* J2601 – 2 HD fueling
* J2601 – 4 Ambient Temperature refueling
* J2601 – 5 MC Method for HD fueling
* JPEC-S 0003 Japanese Bus fueling protocol
 |
|  | The station conforms with the American National Standards Institute (ANSI) Standards* Hydrogen Gas Vehicle (HGV) 2-2021
* HGV 4.1
* G 095A
* HPRD 1:21
* HGV 3.1
* CGA S1.1
 |
|  | The station conforms with the ISO Standards:* 19880-3
* 19880-4
* 19880-5
* 19880-6
 |
|  | The station conforms with the California Building Codes:* California Building Code, Part 2, Title 24
* California Electrical Code, Part 3, Title 24
* California Energy Code, Part 6, Title 24
* California Fire Code, Part 9, Title 2
 |
|  | The station conforms with the California Department of Food and Agriculture, Division of Measurement Standards (DMS) Testing Standards:* Handbook 44 Section 3.34
* Handbook 44 Section 3.39
* NIST Handbook 130
 |
|  | The station sells fuel to the public through a point of sale (POS) that accepts, reads, and processes the magnetic stripe on commercially available credit cards, debit cards, fueling cards, and gift cards. The POS also reads EMV™ chips embedded in the cards and performs financial payment transactions.  |
|  | **Optional:** Does the station POS system wirelessly transmit, receive, and process near-field communications (NFC) to process the signals from contactless cards or mobile devices, i.e., “smart phones,” or accept payment through a mobile application? [ ]  Yes [ ]  NoIf Yes, check the box to the left. If No, leave blank. |
|  | The station’s refueling components are installed and the station has a dedicated hydrogen fuel supply and delivery agreement from a hydrogen production plant (on or off-site), with available capacity, and a second supply arrangement as backup.  |
|  | The station has an energized utility connection and source of system power. |
|  | The station has lighting for the dispenser(s) and the station area to provide a well-lit area that is safe, convenient, and accessible for station users. |
|  | The station displays a sign or logo to acknowledge the public agency(ies) that provided funding for the hydrogen refueling station. It also has onsite signage that explains the method of sale requirements. |
|  | **If approved by the respective authority:** Highway and trailblazer signage is installed.Has Caltrans approved state highway signage? [ ]  Yes [ ]  NoHas the AHJ approved trailblazer signage on local roads? [ ]  Yes [ ]  No |
|  | Each dispenser is connected and reporting all required information to the Hydrogen Fuel Cell Partnership Station Operational Status System (SOSS). |
|  | The station has received all required state, local, county, and city permits to build and operate. |
|  | The station has a guard or cover installed over the station emergency shutdown system switch(es). |
|  | The station is accessible to the public:• No obstructions or obstacles exist to preclude vehicle operators from entering the station premises. • The user of the station is not required to obtain or to use access cards or personal identification (PIN) codes for the station to dispense fuel. • No formal or registered station training is required for individuals to use the hydrogen refueling station. |

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| **Certification:** I hereby authorize the CEC to make any inquiries necessary to verify the information presented in this checklist. I hereby certify to the best of my knowledge that the station has been constructed and equipment has been installed consistent with the CEC agreement and the information contained in this checklist is correct and complete. I certify that the station will remain open retail for a minimum of six years and will meet and adhere to these Open Retail Station Requirements during station operation. |
| Name and Signature of Authorized Representative |  | Date: |       |