

DOCKETED

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EnergIIZE Hydrogen Application Process Overview Workshop Slides and Recording

EnergIIZE Commercial Vehicles Project Hydrogen Application Process Overview PowerPoint slides below from June 2, 2022 presentation.

A recording of the Workshop is viewable at the link below.
<https://www.youtube.com/watch?v=qOR35YITIVg>

Additional submitted attachment is included below.



EnergiZE Workshop

Application Process

Hydrogen Fueling

June 2, 2022

EnergIIZE Commercial Vehicles

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles
Accelerating fueling infrastructure deployment for zero-emission trucks, buses and equipment

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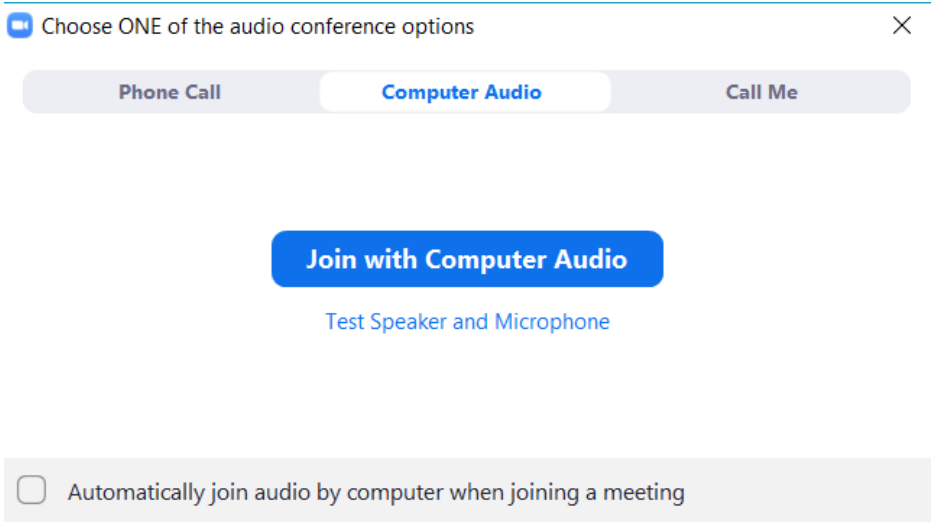


Zoom Logistics



All participants will be unable to share their video.

All participants (web and dial-in) are automatically in listen-only mode.



If you dial-in from a phone, use the meeting ID and passcode from invite

If you have questions, you can use the chat function. You may send messages to the whole meeting or individual participants.

Meeting ID: 874 0547 7856
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Agenda

1

Walkthrough of EnerglIZE Hydrogen Application Process

- *Overview of Application Process*
- *Step 1 - Submitting Application*
- *Step 2 – Providing Supporting Materials*
- *Step 3 – Planning the Project*
- *Step 4 – Initiating Construction*
- *Step 5 – Commissioning the Project*

2

Q&A



Application Process



An overview on documentation you will submit
as a Hydrogen Fueling Applicant

Hydrogen: Application Checklist



- 1 EnergIIZE Application Form
- 2 Site Verification Form
- 3 Signed Copy of EnergIIZE Applicant and Vendor Terms and Conditions
- 4 Confirmation from the local utility that the project site is adequately prepared to receive the necessary energy for the planned infrastructure installation.

Hydrogen: Application Checklist



- 5 Proof of completion of Critical Milestone 1 (Proof of control of site).
- 6 Jump Start Certification Form (if applying for additional incentive funding).
- 7 Answers to three qualitative questions in the application form (if applicable).



Step 1: Submit Application



Hydrogen Funding Lane

EnergIIZE Application Roadmap



Step 1

General Documents

- ✓ Application Form
- ✓ Responses to Qualitative Questions (if applicable)
- ✓ Signed Terms and Conditions (T&Cs)
- ✓ Jump Start Certification Form (if applicable)

Site Documents

- ✓ Site Verification Form
- ✓ Site Equipment Manifest

Other Documents

- ✓ Proof of Make Ready Participation (if applicable)
- ✓ Request for New Util. Service (where applicable)
- ✓ Proof of completion of Critical Milestone 1

Step 1: Submit Application

Energize Application Form

What's Inside the Document?

- Vendor information
- Applicant information
- Site information
- Site Equipment Manifest

What You Need to Complete It:

- ✓ Primary Contact Phone and Email of Fleet Operator.
- ✓ Primary Contact Phone and Email of Vendor.
- ✓ Address of Infrastructure Project.
- ✓ Name of Property Owner.
- ✓ Make, Model, Description, and Anticipated Quantity of Eligible Equipment to be Installed.
- ✓ Name, Type, and Supplier of Software (if applicable).

EnergIIZE Application Form

Application Category check all that apply:

- Hydrogen Fueling
- Meets Jump Start Equity Criteria (applying for 75% reimbursement of equipment and one-time software costs)
Note: For mixed fuel applications, please contact EnergIIZE staff for more information.

Are you a fleet applying on behalf of your organization?

If Yes, fill out section A for Fleet Information. You may skip section B for Vendor Application.
If you are an Approved Vendor applying for a fleet, fill out section B for Vendor Information.
Note: Approved Vendors must be vetted by EnergIIZE staff.

A. Fleet Information (Please fill in the required information below.)

Are you the applicant?

- Yes No Not Applicable (I'm deploying a public charging station.)

Primary Contact:*
Organization/Company Name:
Organization Type:
Mailing Address:
City:
State:
Zip Code:
Website:
Primary E-mail:
Phone:
Tax ID Number:

Primary Contact will be the primary point of contact (POC) for EnergIIZE related outreach. This contact should be chosen carefully.

B. Vendor Information (Please fill in the required information below.)

Are you the applicant?

- Yes No

Primary Contact:
Company Name:
Parent Company:
Mailing Address:
City:
State:
Zip Code:
Website:
Primary E-mail:
Phone:
Tax ID Number:

C. Project Site Information

Name of Property Owner:
DBA of Property Owner:
Project Site Address:
City:
State:
Zip Code:
Is Applicant Site Owner? Mark one:
Electric Utility Service Area:
Utility Customer Number:***
Utility Ticket Number:***

**Attach a signed copy of the Site Verification Form which can be found in the Implementation Manual, and a copy of the easement or right of access agreement (if applicable).

***The local utility will issue this information as part of the request for a new or upgraded service.

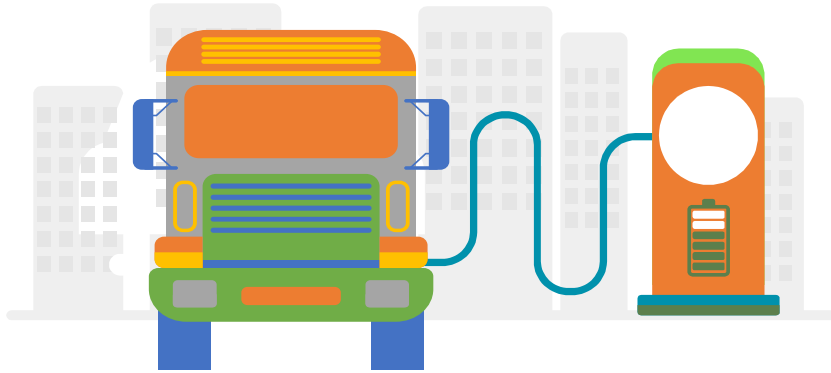
Step 1: Submit Application

Terms and Conditions – The Fine Print



Time Commitments

- Operate this equipment in California for a minimum of five (5) years from the date of commissioning.
- Three (3) year minimum - Keep written records of the equipment purchased and provide records within ten days of request.
- Complete the semi-annual usage survey and questionnaire for three (3) years after the commissioning of my project.



Step 1: Submit Application

Terms and Conditions – The Fine Print



Equipment/Insurance Terms

- Equipment will be utilized for the charging, or fueling of Class 2b – Class 8 commercial vehicles, operated and maintained as recommended by the manufacturer
- Carry Worker's Compensation Insurance for all of its employees who will be engaged in the performance of this Agreement and must provide satisfactory evidence
- Must comply with all federal, state and local rules and regulations
- EnergIIZE staff may ask for proof at anytime



Other Terms

- All projects receiving funds through an EnergIIZE incentive comply with the payment of prevailing wages
- Failure to comply with the terms of this agreement may result in repayment of incentive funds received to EnergIIZE Staff

Step 1: Submit Application

Site Verification Form

What's Inside the Document?

- Lessee information
- Property owner or landlord information
- Signatures of both parties

What You Need to Complete It:

- ✓ Applicant/Organization Name.
- ✓ Applicant Project ID.
- ✓ Installation Site Address.
- ✓ Authorization that the installation work is authorized by the property Owner and the Applicant.

Site Verification Form

Appendix F – EnergIIZE Site Verification Form

Site Verification Form

EnergIIZE Commercial Vehicles Project participants that do not own the property where the proposed infrastructure installation site is located, must provide authorization, to the satisfaction of EnergIIZE Staff that the installation work is authorized by the property owner and the lessee. Each Owner and each Applicant (Fleet or Approved Vendor applying on behalf of a fleet) must complete, sign, and submit this form to EnergIIZE Staff. EnergIIZE Staff reserve the right to require that Applicant and Owner provide such further information as may be required to review and approve an Applicant’s application.

EnergIIZE Commercial Vehicles promotes the acceleration of zero-emission medium- and heavy-duty vehicle adoption through incentives for electric vehicle recharging and hydrogen fuel cell fueling equipment and associated software. For more information about EnergIIZE or how to participate, please visit www.EnergIIZE.org.

<i>LESSEE. Please complete as follows:</i>	
Organization Name:	Enter Applicant/Org. Name
Enter Applicant ID.	Installation Site
Address:	Enter Address
City: Enter City State: Enter State Zip Code: Enter Zip Code	
Applicant hereby represents and warrants to EnergIIZE Staff: (i) that all the foregoing information is true and correct; and (ii) that the undersigned has been duly authorized by Applicant to execute and submit this Site Verification Form. Applicant acknowledges and agrees that EnergIIZE Staff is relying on Applicant’s foregoing certifications in reviewing and approving of Applicant’s application.	
Signature of Authorized Applicant or Representative of Applicant:	
Print Name: Print Name	Title: Click or tap here to enter text.
Date:	Click or tap to enter a date.

<i>PROPERTY OWNER (landlord). Please complete as follows:</i>	
The undersigned, on behalf of Click or tap here to enter text. (“Owner”), hereby represents and warrants to EnergIIZE Staff (i) that Owner is the property Owner located at Click or tap here to enter text. (“Property”) where Infrastructure will be installed; (ii) that Owner has consented to Applicant’s installation of certain EV charging station equipment and/or hydrogen fuel cell refueling equipment at the property; and (iii) that the undersigned has been duly authorized to execute and submit this Site Verification Form to EnergIIZE Staff. Owner acknowledges and agrees that EnergIIZE Staff is relying on Owner’s foregoing certifications in reviewing and approving of Applicant’s application.	
Installation Site Address:	Enter Address
City: Enter City State: Enter State Zip Code: Enter Zip Code	
Signature of Property Owner or Representative of Property Owner:	
Print Name: Print Name	Title: Click or tap here to enter text.
Date:	Click or tap to enter a date.

Step 1: Submit Application

Confirmation from local utility that project site is prepared to receive the energy for the infrastructure installation

What's Inside the Document?

- Copy of Request for new service
 - Steps to Request New Service.
 - Guidelines and Restrictions.
- Proof of participation in available utility programs for make-ready
 - Customer Agreement Form signed by site operator.

What You Need to Complete It:

- ✓ Copy of Request for new service
 - ✓ Contact your local utility company to confirm what is needed for new service.
 - ✓ Review local utility resources and guides.
 - ✓ Consult with a licensed electrician to determine whether your panel is appropriately rated for the increased load.

Step 1: Submit Application

Jump Start Certification Form

What's Inside the Document?

- Description of entities eligible for additional incentive funding.

What You Need to Complete It:

- ✓ Documentation proving your status as one of more of the entities described under Jump Start (Appendix M of Implementation Manual).

Jump Start Certification Form Screenshot

Jump Start Certification Form

Applicants must demonstrate their status as an equity Applicant if they are applying for additional incentives or if they are applying through the Jump Start funding lane. Where applicable, use one of the approved methods of self-certification listed.

Check the box next to the category(ies) below for which your fleet applies and attach the requested documentation. If the category selected has multiple options for documentation, please check the box of the option for which you will be providing documentation. Technical assistance is available to Applicants who need support in putting together the required documentation.

- Applicant is a small business as recognized by the California State Legislative Code**, Section 14837(d) meaning annual revenue less than \$15 million per year. Attached is documentation of the Applicant's Small Business (SB) certification by the California Department of General Services, Procurement Division (DGS-PD), Office of Small Business and Disabled Veteran Business Enterprise Services (OSDS). Certification must be current.
- Applicant is a **Certified Minority Business Enterprise** as defined by California Public Contract Code, Article 12; Woman-Owned Small Business; or a Veteran-Owned Small Business; or a LGBT-Owned Small Business. Attached is documentation of one of the following:
 - Documentation of the Applicant's Small Business (SB) or Disabled Veteran Business Enterprise (DVBE) certification by the California Department of General Services, Procurement Division (DGS-PD), Office of Small Business and Disabled Veteran Business Enterprise Services (OSDS). Certification must be current.
 - Documentation of the Applicant's certification as a Disadvantaged Business Enterprise (DBE) from CALTRANS, the US Department of Transportation, or another DBE Certifying Agency. Certification must be current.
 - For Applicants who meet the underlying criteria of one of the categories above but lack the resources to secure official certification, documentation via a self-certification narrative, written on company letterhead, that explains in detail the company's ownership structure and how that meets the relevant requirements. EnergIIZE staff reserves the right to ask for follow-up information as needed to satisfy this criteria. Narratives are limited to a maximum of 500 words.
- Applicant is a Public Transit Agency installing infrastructure in a designated Disadvantaged Community**, defined as having a CalEnviroScreen 4.0 score in the top 25 percent, or in a Low-Income Community, as defined by AB 1550. Attached is documentation of one of the following:
 - The address of the infrastructure to be built using EnergIIZE funds that is located within a Disadvantaged Community or Low-Income Community census tract.

Step 1: Submit Application

Responses to Qualitative Questions from Rubric

What's Inside the Document?

- Scoring criteria for application submittal.
- Three qualitative questions.
- Scoring criteria for Hydrogen projects only.

What You Need to Complete It:

- ✓ Answers to the three qualitative questions listed in the rubric (only applicable for applicants seeking more than \$150,000 incentives for competitive funding lanes).

For the Energize Commercial Vehicles (Energy Infrastructure Incentives for Zero- Emission Commercial Vehicles) Project's competitive funding lanes (EV Jump Start, Hydrogen, and EV Public Charging), Applicants will be evaluated on items 1-3 below.

For applicants seeking **more than \$150,000** in incentives for competitive lanes, Applicants will be evaluated on items 1-6 below upon the close of the application windows. Please monitor www.Energize.org for opening and closing dates of each funding lane.

All **Hydrogen** applicants will be evaluated on items 7-9 as well. Applicants participating during funding lanes other than Hydrogen will not be evaluated on items 7-9.

All applications must obtain a **minimum of 50 points** to be recommended for funding. All Projects must submit the required application documents. For competitive lanes, funding will be awarded to Projects in ranked order until all available funds in each wave are exhausted. Tie scores will be broken as needed by random lottery.

Criteria	Total Possible Points
<p>1. Submission of all required application documents required in Step 1.</p> <ul style="list-style-type: none"> • For All Lanes: <ul style="list-style-type: none"> ○ Energize Application Form ○ Site Verification Form- to authorize builds on leased land. If new or upgraded equipment is provided by the utility, then proof of Easement is required. ○ Signed copy of Energize Terms and Conditions ○ Confirmation from the local utility that the project site is adequately prepared to receive the necessary energy for the planned infrastructure installation. • For EV Fast Track: Vehicle Purchase Order or proof of ownership 	50

Required section

Rubric Screenshot

<p>For large projects, \$150,000 and greater:</p>	
<p>For the three qualitative questions below, please read through and address each bullet point listed underneath. You are encouraged to submit supporting materials and photos, which may be used to determine scoring.</p> <p>4. Qualitative Question #1- In a separate Word document, please note how medium- and heavy-duty (MD/HD) zero-emission vehicles (ZEVs) will be serviced by proposed infrastructure and how this Project will maximize infrastructure utilization over time (i.e., maintenance plans to maintain high infrastructure uptime). (500-word limit)</p>	20
<p>5. Qualitative Question #2- In a separate Word document, please demonstrate local community buy-in and support. (500-word limit)</p> <ul style="list-style-type: none"> • What steps have been taken to achieve community engagement? <ul style="list-style-type: none"> ○ Describe the process for receiving community support and buy-in. Please provide examples of community outreach and engagement activities that you led or participated in. • How was feedback collected and incorporated? • Please note any letters of support that you have received for the proposed Project. 	20

Rubric Screenshot

<ul style="list-style-type: none"> ○ Applicants should include letters of support for the proposed Project from community organizations representing residents in the area where the Project is proposed. ○ Letters of support from appointed or elected officials are allowed, but letters from community-based organizations (e.g. neighborhood associations, environmental justice groups, faith based organizations, Parent Teach Associations, etc.) will be given greater weight in scoring. ● If the Applicant is a community group, Tribal government, or other entity that already represents local residents, briefly note that in this question response and describe the organization's structure in the project narrative. 	
<p>6. Qualitative Question #3- In a separate Word document, please describe any additional community benefits that go above and beyond the project's scope that the Applicant will commit to providing in conjunction with this Project. Applicants are encouraged to think creatively and be responsive to locally-identified needs in the community where the proposed Project will be located. (500-word limit)</p> <ul style="list-style-type: none"> ● Describe community benefits of the Applicant's MHD Infrastructure project. (Examples of these benefits could be paid workforce development opportunities for local residents, expanded transit service for local residents, and/or offering no-cost light duty EV charging for local residents.) ● What is the duration of any proposed benefits and how they might be measured. ● How will the Applicant demonstrate these benefits being incorporated into the Project. (If the proposed community benefits include partnerships with a local partner i.e. community college, nonprofit, etc., please include a letter of support for the proposed Project from that organization confirming their participation and level of involvement if awarded.) 	20
TOTAL POSSIBLE POINTS FOR QUALITATIVE SECTION	60

Rubric Screenshot

For Hydrogen projects only:

<p>7. Hydrogen Refueling Station Design and Performance (6 points each) - Applications will be evaluated on the degree to which:</p> <ul style="list-style-type: none"> • The Applicant justifies the appropriateness of the fueling capacity and number of fueling positions at the location. • The Applicant justifies the appropriateness of the fueling capacity and number of fueling positions at the location. • The Applicant demonstrates that the proposed station location sites will have sufficient space for all vehicles using the station including fuel delivery vehicles, pedestrians, and equipment. • The nozzles selected for the proposed stations are designed to minimize the frequency of freeze-lock. • The Operation and Maintenance Plan presents credible plans and methods to optimize station “up-time.” • The Applicant provides a credible plan for staying current with industry standards and maintaining optimal hydrogen refueling station performance over the life of each station. 	<p>42</p>
<ul style="list-style-type: none"> • The Applicant’s project includes station(s) that will have purpose-built equipment to optimally serve commercial fuel cell vehicle fleets or fuel cell transit buses. 	<p>42</p>

Rubric Screenshot

Qualitative Question #1 – Maximizing MD/HD Infrastructure Utilization- Total Max Score = 20 points

Rubric Screenshot

Primary Components (bullet points)	Purpose	Criteria	Max Score	Effective Weighting
Description of how MD/HD ZEVs will be serviced by proposed infrastructure.	EnergIIZE intends to fund MD/HD infrastructure; please briefly describe how your project meets that criteria.	<ul style="list-style-type: none"> ● 10 - Project has a clearly established MD/HD nature of vehicles being served by infrastructure. ● 0 - Project has NOT clearly established MD/HD nature of vehicles being served by infrastructure. 	10	50%
Description of how infrastructure use will be maximized over time, including maintenance and service plans to avoid broken infrastructure.	EnergIIZE intends to fund highly utilized infrastructure and seeks to avoid infrastructure that will be out of commission before the end of the product's life.	<ul style="list-style-type: none"> ● 10 - Project has well defined maintenance plan, extended product warranties, and engages with contractors who will focus on quality work performed. ● 5 – Project does not adequately describe maintenance plans and/or little description of quality of work to be performed. ● 0 – Maintenance plans are absent and there is little to no mention of quality and longevity in project description. 	10	50%

Rubric Screenshot

Hydrogen Funding Lane Only – Scoring Rubric

Possible Points	Interpretation	Explanation for Points
0	Not Responsive	Response does not include or fails to address the requirements being scored. The omission(s), flaw(s), or defect(s) are significant and unacceptable.
1	Minimally Responsive	Response minimally addresses the requirements being scored. The omission(s), flaw(s), or defect(s) are significant and unacceptable.
2	Somewhat Responsive	Response addresses the requirements being scored, but there are one or more omissions, flaws, or defects or the requirements are addressed in such a limited way that it results in a low degree of confidence in the proposed solution.
3	Good	Response better than adequately addresses the requirements being scored. Any omission(s), flaw(s), or defect(s) are inconsequential and acceptable.
4	Great	Response fully addresses the requirements being scored with a high degree of confidence in the Applicant's Response or proposed solution. No identified omission(s), flaw(s), or defect(s).
5-6	Excellent	All requirements are addressed with the highest degree of confidence in the Applicant's Response or proposed solution. The Response exceeds the requirements in providing multiple enhancing features, a creative approach, or an exceptional solution.

Step 1: Submit Application

Proof of Completion of Critical Milestone 1 (Proof of Control of Site)

What's Inside the Document?

- Proof of an easement agreed to and signed by the property owner at which the hydrogen fueling station is to be constructed.

What You Need to Complete It:

- ✓ Documentation of site control and possession. Example:
 - ✓ Executed lease for the land on which the station will be constructed.

EnergIIZE Hydrogen Fueling Station Critical Milestones

Should an Applicant pursuing incentives be deemed eligible for participation in EnergIIZE, they must submit proof of having completed the following Critical Milestones. EnergIIZE incentives will not be awarded for a hydrogen fueling station unless the Applicant meets all four Critical Milestones outlined below.

Critical Milestone 1 Description (Proof of Control of Site)

Critical Milestone 1: The Applicant (for station address submitted with the application) must have control and possession of the site or provide proof of an easement agreed to and signed by the property owner at which the hydrogen fueling station is to be constructed.

The Applicant must provide to EnergIIZE Staff proof of having met this Critical Milestone by submitting adequate documentation of site control and possession. Documentation of site control and possession may include, but is not limited to, an executed lease for the land on which the station will be constructed. EnergIIZE staff will determine whether the documentation submitted by the Applicant is sufficient to show that this Critical Milestone has been met.



Step 2: Provide Supporting Documents



Hydrogen Funding Lane

EnergIZE Application Roadmap



Step 1

General Documents

- ✓ Proof of Cost Share.
- ✓ Copy of Purchase Order for Infrastructure Equipment.



Step 2

Site Documents

- ✓ Preliminary Site Plans.



Other Documents

- ✓ Proof of License from General Contractor.
- ✓ Proof of Insurance from General Contractor.
- ✓ EVITP Certification of General Contractor.
- ✓ Attestation form.*
- ✓ Copy of preliminary hydrogen safety plan.*
- ✓ Proof of completion of Critical Milestone 2.*

**For Hydrogen Applicants only*

Step 2: Provide Supporting Documents

Contractor Proof of License/Insurance

What's Inside the Document?

- Contractor's License Number.
- Business Name.
- Business Address.
- Status of License.
- Contractor's Bond and Insurance Information.

What You Need to Complete It:

- ✓ Coordinate with the General Contractor.
- ✓ Visit the Department of Consumer Affairs Website and Verify License Number with Contractors State License Board (CSLB).

Contractor's License Detail for License # [REDACTED]

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- ▶ CSLB complaint disclosure is restricted by law ([B&P 7124.6](#)) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- ▶ Only construction related civil judgments reported to CSLB are disclosed ([B&P 7071.17](#)).
- ▶ Arbitrations are not listed unless the contractor fails to comply with the terms.
- ▶ Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Business Information

Business Name →



← Business Address

Entity Corporation

Issue Date 02/11/2019

Expire Date 02/28/2023

License Status

This license is current and active.

Contractor Proof of License/Insurance

Preferred Vendors

Name of Organization	Primary Contact	Primary Email	Primary Phone	Supports EV, Hydrogen, or Both	Website URL
Air Products and Chemicals, Inc.	John Chimenti	h2fm@airproducts.com	(503) 710-0514	Hydrogen	https://www.airproducts.com/
Baker Electric Inc.	Mark Rogers	mrogers@baker-electric.com	(760) 703-8805	EV	https://www.baker-electric.com/
Beard Electric EV	Brett Beard	bwbeard@beardelectric.com	(844) 438-8326 (844) 4EV-TEAM	EV	NA
Black & Veatch - dba Overland Construction Inc	Keith Dickerson	dickersonk@bv.com	(770) 238-9154	Both	https://www.bv.com
ChargePoint, Inc.	Margaret Larson	Margaret.larson@chargepoint.com	(707) 210-6277	EV	https://www.chargepoint.com/
Clean Fuel Connection, Inc.	Enid Joffe	enidjoffe@cleanfuelconnection.com	(616) 445-1445	EV	NA
Electro Construction Corp.	Rune Jensen	ru@electroconstruction.com	(323) 660-4141	EV	https://www.electroconstruction.com/
Enel X North America, Inc.	Shauna Barnes	shauna.barnes@enel.com	(617) 224-9900	EV	https://www.enelx.com/
EnTech Solutions	Joseph Zulewski	joseph.zulewski@faithtechinc.com	(920) 225-6737	Both	https://energybventech.com/
In-Charge Energy, Inc.	Terry O'Day	terry.oday@inchargeus.com	(818) 697-4638	Both	https://inchargeus.com/
Integrated Cryogenic Solutions, LLC	Felipe Bezerra	fmenezes@NikkisoSolutions.com	(760) 504-6948	Hydrogen	https://www.nikkisoceig.com/product-categories/integrated-solutions/
Johnson-Peltier, Inc.	Greg Kelley	gkelley@johnson-peltier.com	(562) 201-5074	Both	http://www.johnson-peltier.com/
Net Electric Inc.	Nathan Tyler	info@netelectric.biz	(866) 224-2400	EV	https://netelectric.biz/
Phil Haupt Electric	Phil Haupt	info@philhauptelectric.com	(916) 782-3128	EV	https://philhauptelectric.com/
Proterra Operating Company, Inc.	Lesley Fonokalafi	dg_bids@proterra.com	(864) 214-7080	EV	https://www.proterra.com/
Schneider Electric	Raquel Treichel	Raquel.Treichel@se.com	(702) 759-6596	EV	https://www.se.com/ww/en/
Shell Recharge Solutions	Joe Dowling	jdowling@greenlots.com	(619) 410-7090	EV	https://greenlots.com/
Trillium USA Company LLC	Kim Okafor	Kimberly.okafor@trilliumenergy.com	1(800) 920-1166	Both	https://www.trilliumenergy.com/
Veteran Power Infrastructure (VPI)	Jason Yohn	info@VPiCharge.com	(888) 437-4294	EV	https://chargeepc.com/veteran-power-infrastructure/
Zero Impact Solutions	Spiro Azkoul	spiro@zi.solutions	(657) 247-0000	EV	http://zi.solutions/

Approved Vendors

Name of Organization	Primary Contact	Primary Email	Primary Phone	Supports EV, Hydrogen, or Both	Website URL
Air Products and Chemicals, Inc.	John Chimenti	h2fm@airproducts.com	(503) 710-0514	Hydrogen	https://www.airproducts.com/
FirstElement Fuel, Inc.	David Yanagisawa	daisuke.yanagisawa@firstelementfuel.com	(347) 556-1691	Hydrogen	https://www.firstelementfuel.com/
Gladstein, Neandross & Associates LLC.	Patrick Couch	patrick.couch@gladstein.org	(310) 314-1934	Both	https://www.gladstein.org/
Integrated Cryogenic Solutions, LLC	Felipe Bezerra	fmenezes@NikkisoSolutions.com	(760) 504-6948	Hydrogen	https://www.nikkisocig.com/product-categories/integrated-solutions/
Johnson-Peltier, Inc.	Greg Kelley	gkelley@johnson-peltier.com	(562) 201-5074	Both	http://www.johnson-peltier.com/
Trillium USA Company LLC	Kim Okafor	Kimberly.okafor@trilliumenergy.com	1-(800) 920-1166	Both	https://www.trilliumenergy.com/

Step 2: Provide Supporting Documents

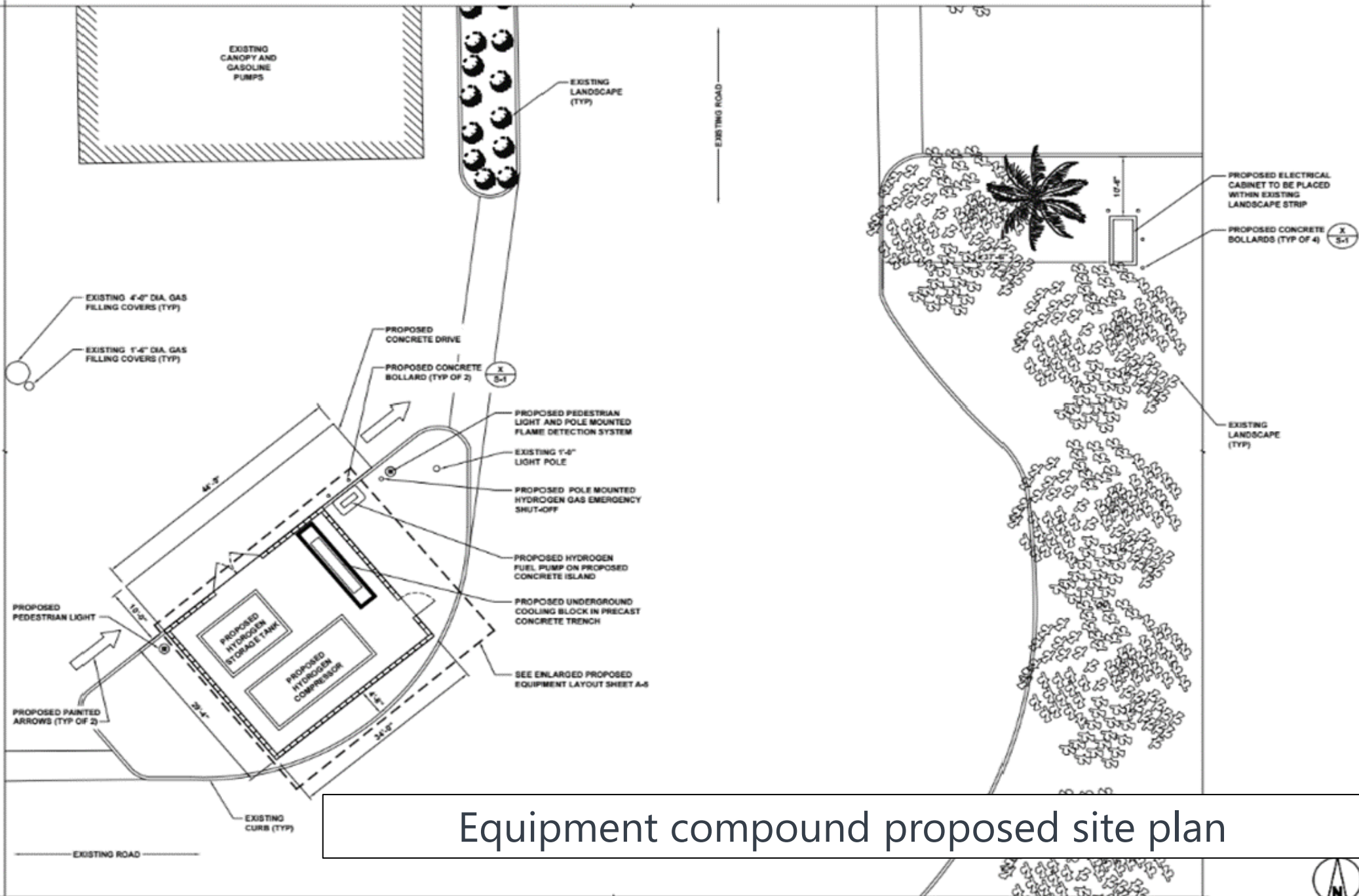
Preliminary Site Plan

What's Inside the Document?

- Address of Infrastructure Site.
- Diagram in Site Plan of Charging Infrastructure.

What You Need to Complete It:

- ✓ General Contractor and Architect Signature.
- ✓ Signed Easement or Right of Access documents.



Equipment compound proposed site plan

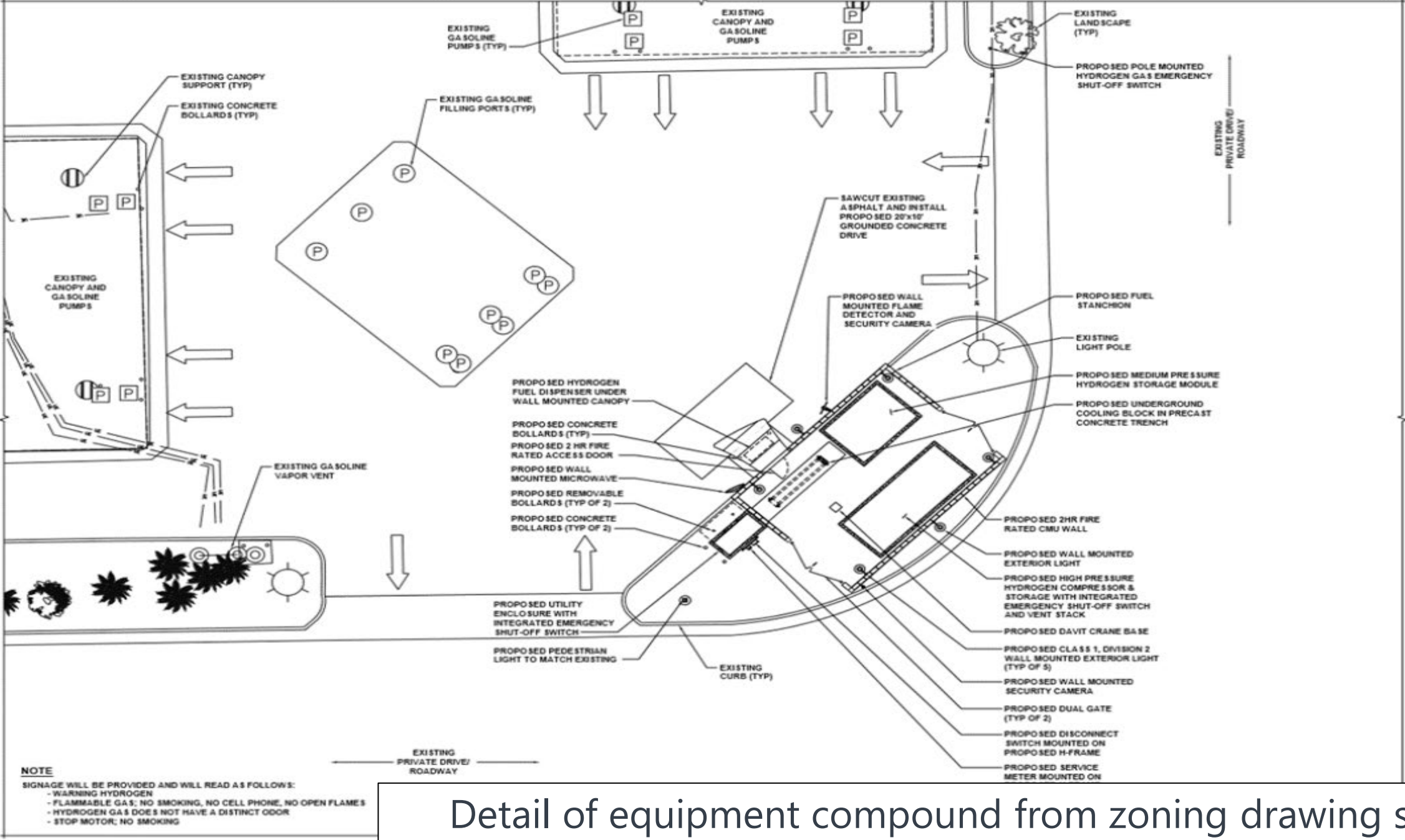
PROJECT NO: [REDACTED]
 DRAWN BY: [REDACTED]
 CHECKED BY: [REDACTED]

NOT TO BE USED FOR CONSTRUCTION

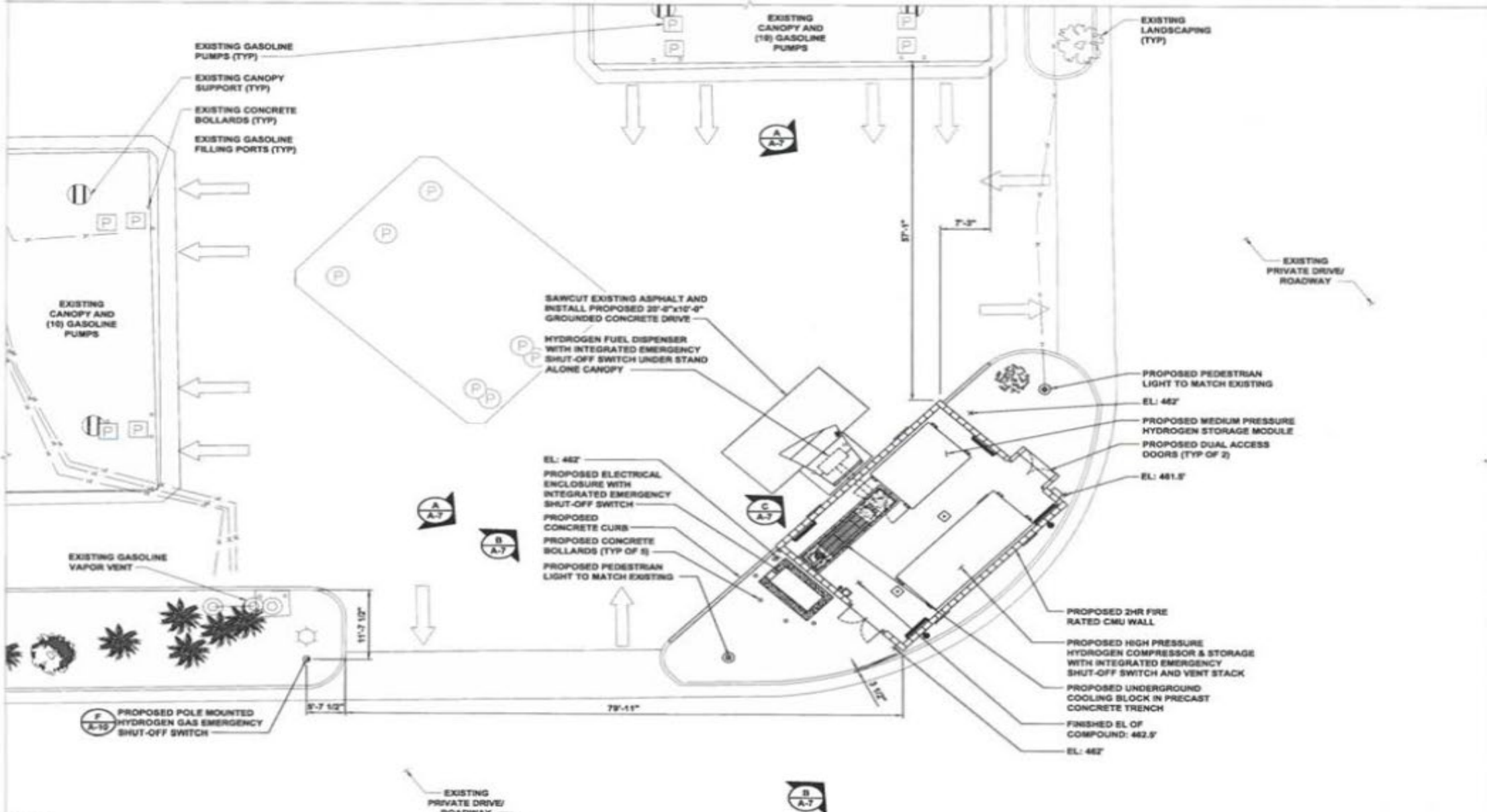
[REDACTED]

SHEET TITLE
PROPOSED SITE PLAN

SHEET NUMBER
A-4



Detail of equipment compound from zoning drawing set



- NOTES**
- SIGNAGE WILL BE PROVIDED AND WILL READ AS FOLLOWS:
 - WARNING HYDROGEN
 - FLAMMABLE GAS; NO SMOKING, NO CELL PHONE, NO OPEN FLAMES
 - HYDROGEN GAS DOES NOT HAVE A DISTINCT ODOR
 - STOP MOTOR; NO SMOKING
 - SEE SHEET A-8 FOR SIGNAGE DETAILS

Detail of equipment compound showing detail for permitting and construction

Step 2: Provide Supporting Documents

Proof of Cost Share – Cover Letter and Supporting Documents

What's Inside the Document?

- Disclosure of all public funding sources awarded.
- Demonstrated proof of cost coverage for any non-incentivized project costs.
- The sum of make-ready funding, self-contributions, other external funding sources, and potential EnerGIIZE incentive funds.

What You Need to Complete It:

- ✓ Notices of proposed award.
- ✓ Notice of grant award.
- ✓ Other official documentation indicating an award of funding.

Cost Share Cover Sheet

Cost Share Cover Sheet

Proof of cost share and supporting documentation is required for participation in EnergIIZE. This supplemental information may include such documents as notices of proposed award, notice of grant award, and other official documentation indicating an award of funding. Please use the table below to outline total proposed project costs and attach to this cover sheet supporting documentation including but not limited to:

- Disclosure of all public funding sources awarded.
- Demonstrated proof of cost coverage for any non-incentivized project costs. The sum of make-ready funding, self-contributions, other external funding sources, and potential EnergIIZE incentive funds must be clearly shown as meeting (though not exceeding) total project costs.

Funding Source	Funding Amount
Funding Source 1	Amount of Funding
Funding Source 2	Amount of Funding
Funding Source 3	Amount of Funding

Funding Disclosure Subtotal: _____

Total Proposed Project Cost: _____

Step 2: Provide Supporting Documents

Copy of the Hydrogen Safety Plan

What's Inside the Document?

- ❑ Detailed description about how the Applicant will adhere to the most recent public guidelines throughout the life of all the stations.
- ❑ Detailed description about how the Applicant will conform to the NFPA 2, Hydrogen Technologies Code 2020 edition.
- ❑ Detailed description about how the Applicant will provide ongoing safety training for station's operation and over station's life.

What You Need to Complete It:

- ✓ Prepare (a) preliminary Hydrogen Safety Plan(s) for the PNNL HSP.
- ✓ Work directly with the PNNL HSP to submit the Applicant's preliminary Hydrogen Safety Plan to the PNNL HSP.



Example Safety Plan for Hydrogen and Fuel Cell Projects

2.0 Description of Work

2.1 UEU Research

Laboratory-scale effort will be conducted at UEU’s Easton Hall research laboratory within a ventilated and third party inspected walk-in fume hood. The work will involve the consumption of hydrogen and oxygen gases, and venting of the same gases during purging. During fuel cell testing, up to 0.5 SLPM of hydrogen gas and up to 0.3 SLPM of oxygen gas at 15 psig will be allowed to flow through the fuel cell from commercial high-pressure cylinders. A maximum of two cylinders will be located in the standard chain-secured cylinder rack outside of the fume hood, within the laboratory; one each of hydrogen and oxygen.

The hydrogen cylinder will contain about 200 cf of hydrogen gas at 2000 psig, equipped with a CGA350 two-stage pressure reducing regulator. Testing will occur during day shift on intermittent days during the first three weeks of September, by the principal investigator and two students. The system will be shut down, when testing for the day is completed, and purged from the primary cylinder connection with nitrogen from the university-supplied central system, utilizing manually connected nitrogen supply hoses and isolation valves. Refer to Appendix A for the test system laboratory diagram showing flow, exhaust, and control systems. Refer to Appendix B for a corresponding process parameter table summarizing process safety limits/shutdown values for temperature, flow, pressure, and power.

This example plan only describes the two entities in a few sections for brevity: Description of Work, Identification of Safety Vulnerabilities, and Risk Planning.

2.2 SAT Prototype Evaluation

Prototypic testing will construct a fuel cell stack in the primary testing warehouse at SAT headquarters, fed from SAT’s proprietary liquid hydrogen system maintained outside of the warehouse. The fuel cell stack will be process up to a maximum 4 SLP of both hydrogen and oxygen gases, at pressures ranging from 20 psig to 45 psig. Oxygen will be supplied through a cylinder bank maintained at the north end of the warehouse, containing up to ten staged industrial pressurized oxygen cylinders from Gas Products Company. The fuel cell stack will be located in an isolated walled area of the warehouse, containing its own exhaust fan system, hydrogen gas sensors, and fire/smoke detection system. Automatic (fail to close) valves on both the hydrogen and oxygen gas supply into the warehouse are interlocked to close upon detection of 0.1% hydrogen in the warehouse airspace, from activation of the fire/smoke sensors, or shut down of the exhaust system. Oxygen and hydrogen piping enter the warehouse through the wall of the enclosed test area, and are not contained in any other portion of the warehouse. Testing will be conducted at all hours of the day over a 3-month period. Pipe purging from nitrogen cylinders will occur prior to testing, after completion of testing, and during any incidents or equipment failures. Refer to Appendix C for the prototype system process flow piping and fuel cell stack apparatus, warehouse area diagram including liquid hydrogen system, and safety controls. Refer to Appendix D for a corresponding process parameter table summarizing process safety limits/shutdown values for temperature, flow, pressure, and power.

This high level of detail best supports the application of safety described in the ISV or Risk Planning section.

3.0 Organization Policies and Procedures

The most relevant safety-related program policies and procedures are described in the UEU Laboratory Safety Manual, which are located at the University ES&H Foster Building and accessible at this [link](#). New projects undergo a peer review process where potential hazards are recognized, and controls or plans are set in place to eliminate or mitigate the hazards. After peer review, the

Step 2: Provide Supporting Documents

Hydrogen Project Attestation of Codes and Standards

What's Inside the Document?

- Inventory of relevant safety and regulatory codes by which infrastructure must comply.

What You Need to Complete It:

- ✓ Read the document in its entirety.
- ✓ Sign form.

Attestation Form Screenshot

Appendix P – Hydrogen Project Attestation of Codes and Standards

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles (EnergIIZE) aims to increase the market acceleration of infrastructure to support medium and heavy duty (MHD) zero emission vehicles (ZEVs). EnergIIZE incentivizes infrastructure projects to support hydrogen fuel cell vehicles which are compliant with all relevant safety codes and regulatory standards. ZEV infrastructure deployment can be a complex endeavor involving an array of safety and regulatory codes in which infrastructure must comply. To help applicants navigate these requirements, EnergIIZE staff have create this inventory of relevant requirements. Applicants are encouraged to check relevant websites for the latest information; this list is intended for instructional purposes only and may not be comprehensive for your specific project.

To ensure EnergIIZE incentives safe, reliable technologies, we require all vendors to comply with the following codes listed below. This attestation form must be filled out by hydrogen infrastructure developers in order to be considered eligible for EnergIIZE incentives.

Company Information

Name of project point of contact (Last name, First name):	
Email address:	
Phone number:	
Vendor Company Name:	
Parent Company (if applicable):	
Project Site Address:	

Required Codes and Standards

All hydrogen projects must meet the requisite installation, construction, and safety standards, including but not limited to those listed below or the most up-to-date version of these standards:	
SAE Standards	<ul style="list-style-type: none">• One or more of the following fueling protocols or an equivalently accepted industry standard<ul style="list-style-type: none">○ 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• J2600 or an equivalently accepted industry standard. 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.• SAE International J2719• The open retail hydrogen refueling station shall conform to the most recent version of

Step 2: Provide Supporting Documents

Proof of Critical Milestone 2 (Proof of Meeting with AHJ)

What's Inside the Document?

- Discussion of the purpose and design of the hydrogen fueling station
- The entitlement and permit application process
- Zoning requirements
- Aesthetics notes
- AHJ's CEQA process
- Project timeline

What You Need to Complete It:

- ✓ Meeting for permits to build and operate each proposed hydrogen fueling station with the **AHJ** over the project and entitlement process.
- ✓ Meeting with a **representative of the Office of the Fire Marshal, or other similar fire control office, in the AHJ**. The meeting should include but not be limited to discussion about how to obtain compliance with local fire code requirements.
- ✓ Meeting with **representative of the PNNL HSP** to establish a common understanding of the Hydrogen Safety Plan and station design review process that will be required of Applicants.

Step 2: Provide Supporting Documents

Copy of Purchase Order(s)

What's Inside the Document?

- List of Purchased Equipment.
- Amount of Equipment.
- Cost per Unit.
- Date of Purchase.
- Overall Total.

What You Need to Complete It:

- ✓ Itemized Receipts of Purchases.
- ✓ Invoice Numbers.



Step 3: Plan Project



Hydrogen Funding Lane

EnergIIZE Application Roadmap



Step 1

Step 2

Step 3

General Documents

- ✓ Project Plan and Scope of Work, Including Construction Timeline.

Site Documents

- ✓ Copy of Building Permit.

Other Documents

- ✓ California Environmental Quality Act (CEQA) filing.
- ✓ Copy of hydrogen safety plan*
- ✓ Proof of completion of Critical Milestone 3*

**For Hydrogen Applicants only*

Step 3: Plan Project

California Environmental Quality Act (CEQA) Filing

What's Inside the Document?

- Overview and purpose of CEQA.
- Information regarding if CEQA review is necessary for your project.
- If project is exempt, Notice of Exemption (NOE) form contains address of infrastructure project and exempt status.

What You Need to Complete It:

- ✓ Determine if your infrastructure project falls under any exemptions from CEQA.
- ✓ If the project does not fall under any exemptions, the applicant will undertake an initial study to determine if the project will result in a significant environmental impact.
- ✓ If project is exempt, complete Office of Planning and Research (OPR) NOE form.

Office of Planning and Research Notice of Exemption

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: _____

From: (Public Agency): _____

(Address)

Project Title: _____

Project Applicant: _____

Project Location - Specific: _____

Project Location - City: _____

Project Location - County: _____

Description of Nature, Purpose and Beneficiaries of Project:

Name of Public Agency Approving Project: _____

Name of Person or Agency Carrying Out Project: _____

Exempt Status: (check one):

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number: _____
- Statutory Exemptions. State code number: _____

Reasons why project is exempt:

Lead Agency

Contact Person: _____

Area Code/Telephone/Extension: _____

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: _____

Date: _____

Title: _____

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

Step 3: Plan Project

Building Permit

What's Inside the Document?

- Applicant name, address, contact information.
- Contractor name, address, contact information, license.
- Property owner name, address, contact information.
- Architect name, address, contact information.
- Description of work and property.

What You Need to Complete It:

- ✓ Coordination with property owner, architect, and contractor.
- ✓ Site Plans.
- ✓ Best Practice: have utility involved in permitting process.

Commercial Building Permit Application

(To be entered by issuing agency)

Parcel #: _____ Permit Number: _____ Intake Person: _____

Project Address & Name:

Street: _____ Suite/Apt #: _____ City: _____ Zip Code: _____

Nearest Cross Street: _____ Business Name: _____

Name of Applicant: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Name of Contractor: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Contractor's License Number: _____ Classification: _____

Name of Owner: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Name of Architect/Engineer: _____ License #: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Nature of Work: New Construction Shell (New) Alteration Demolition Misc. PM&E T.I. (First Time) Commercial Coach

Inspection Disciplines: Building Mechanical Plumbing Electrical Engineering (Check all that apply)

Description of Work:

Number of Stories?	Number of Units?	Type of Construction?	Fire Sprinklered? <input type="checkbox"/> Yes <input type="checkbox"/> No	Existing Use?	Proposed Use?	Is Building Conditioned? <input type="checkbox"/> Yes <input type="checkbox"/> No
Square Footages →	New Added Square Footage?	Office Square Footage?	Retail Square Footage?	Warehouse Square Footage?	Roofing Squares?	Square footage Other: _____

Valuation: \$ _____ The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems, if, in the opinion of the building official, the value is underestimated on the application, the permit shall be denied, unless the applicant can

Example Building Permit

Step 3: Plan Project

Proof of Completion of Critical Milestone 3 (Proof of Meeting with Utility Company)

What's Inside the Document?

- ❑ Meetings notes, including date, time, location, names and titles of meeting participants, a summary of the topics discussed, and any open issues and next steps.

What You Need to Complete It:

- ✓ Meet with representatives of the utility company that will serve each proposed station to arrange the utility connection.

Critical Milestone 3: For stations that will be serviced by a utility, the Applicant must meet with representatives of the utility company that will serve each proposed station to arrange the utility connection. The Applicant must provide proof to EnergIIZE staff of having met this Critical Milestone by submitting meeting notes, including date, time, location, names and titles of meeting participants, a summary of the topics discussed, and any open issues and next steps. EnergIIZE staff will determine whether the documentation submitted by the Applicant is sufficient to show that this Critical Milestone has been met.

Critical Milestone 3 Description



Step 4: Initiate Construction



Hydrogen Funding Lane

EnergIZE Application Roadmap



Step 1



Step 2



Step 3



Step 4



General Documents

- ✓ Photo of serial number for all serialized equipment installed on the project site. Serial number must match that on project invoices.
- ✓ Pictures showing installation of hydrogen pumps, meter mains, transformers, and Americans with Disabilities Act (ADA) Compliance.

Site Documents

- ✓ Copy of Signed Inspections Sheet and Closed Building Permit.
- ✓ Proof of completion of Critical Milestone 4*

**For Hydrogen Applicants only*

Step 4: Initiate Construction

Photo of serial number for all serialized equipment installed

What's Inside the Document?

- Photo of serial number.
 - Serial number must match that on project invoices.

What You Need to Complete It:

- ✓ Camera.

Step 4: Initiate Construction

Photographic evidence of the site

What's Inside the Document?

- ❑ Photos of installed equipment.

What You Need to Complete It:

- ✓ Pictures showing
 - ✓ Installation of hydrogen pumps
 - ✓ Meter Mains
 - ✓ Transformers
 - ✓ Americans with Disabilities Act (ADA) Compliance

Example Hydrogen Station





Photo of Rectifier Hardware 4 cabinets, each serves 2 x electrolyzer stacks. Far left cabinet for stacks G and H.

Step 4: Initiate Construction

Copy of Signed Inspections Sheet and Closed Building Permit

What's Inside the Document?

- Parcel Number.
- Permit Number.
- Address of Infrastructure Site.
- Contractor Information.
- Architect/Engineer Information.
- Description of Work.

What You Need to Complete It:

- ✓ Coordination with property owner, architect, and contractor.

Step 4: Initiate Construction

Proof of Completion of Critical Milestone 4 (Proof of Meeting with Hydrogen Fuel Supplier)

What's Inside the Document?

- Hydrogen Supplier Agreement (recommended)
- Site plans
- Spec sheets
- Developer assurances that installation shall adequately serve the demand of each proposed dispenser at that station.
- HyStEP or equivalent certification

What You Need to Complete It:

- ✓ Meeting with Hydrogen Suppliers
- ✓ Contact with a representative with CARB members to coordinate HyStEP testing or equivalent



Step 5: Commission Project



Hydrogen Funding Lane

EnergIIZE Application Roadmap



Step 1



Step 2



Step 3



Step 4



Step 5

General Documents

- ✓ Verification of Refueling/Recharging.
- ✓ Copies of final invoices.

Step 5: Commission Project

Verification of Refueling

What's Inside the Document?

- Confirmation dispensers are in working order.

What You Need to Complete It:

- ✓ The owner / operator shall refuel a hydrogen fuel cell vehicle as part of the site equipment verification process.

Step 5: Commission Project

Copies of All Invoices Are Submitted

What's Inside the Document?

- Address of Infrastructure Site.
- Date of transaction.
- Installed Infrastructure.

What You Need to Complete It:

- ✓ Complete invoices.

Hydrogen: Application Checklist



- 1 EnergIIZE Application Form
- 2 Site Verification Form
- 3 Signed Copy of EnergIIZE Applicant and Vendor Terms and Conditions
- 4 Confirmation from the local utility that the project site is adequately prepared to receive the necessary energy for the planned infrastructure installation.

Hydrogen: Application Checklist



- 5** Proof of completion of Critical Milestone 1 (Proof of control of site).
- 6** Jump Start Certification Form (if applying for additional incentive funding).
- 7** Answers to three qualitative questions in the application form (if applicable).

You Might Have These Questions

Q: *When does the Hydrogen funding lane open for applicants?*

A: Applications will be accepted starting at 9:00AM Pacific Time on June 30, 2022 through 5:00PM Pacific Time on July 14, 2022.

Q: *How much time do I have to gather documents?*

A: Once Hydrogen applicants have been provided with their notice of conditional award after completion of Step 1, they will then have 60 days to provide the information in Step 2.

Q: *If I have questions before launch of Hydrogen, what is best way to get these questions answered?*

A: Contact infrastructure@CALSTART.org.



Q&A

Contact Us



877-ENR-GIZE
877-367-4493



infrastructure@CALSTART.org



EnerglIZE.org



48 S Chester Ave
Pasadena, CA 91106