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CALeVIP 2 Project Requirements Webinar Presentation

Additional submitted attachment is included below.

Introductions

Moderator

Peter Colwell, Center for Sustainable Energy

Speakers

Fidel Leon-Green, Center for Sustainable Energy

Q&A Panelists

Fidel Leon-Green, Center for Sustainable Energy

Brian Fauble, California Energy Commission

Before We Get Started

- Participants can submit questions in the chat box any time during the presentation.

- Due to high traffic, you may experience technical difficulties during this presentation. We apologize for potential delays or compromised presentation quality.

- If you miss any part of this presentation or have questions, contact us at calevip@energycenter.org.

Agenda

1. CALeVIP Goal & 2.0 Project Priorities
2. Regions and Funding
   - Counties in Regions
   - Priority Populations
3. Applicant Eligibility
4. Installation Site Eligibility
   - Site Requirements
   - Eligible Site Types
5. Rebate Amount by Power Output
6. Equipment Requirements
7. Network Provider Requirements
8. Application Processing
   - Application Funding Timeline
   - Application Window Actions
   - Funding Reservation Process
   - Project Funding Timelines
   - Required Documentation
9. Construction Progress Tracker
10. Question & Answer Session

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CALeVIP
Goal

The goal of CALeVIP is to quickly and efficiently deploy electric vehicle charging stations in California to help meet the state's zero-emission vehicle goals.

CALeVIP
2.0 Project Priorities

Readiness and Continual Deployment of Chargers

- Prioritize applicant readiness through a tiered ranking system.
- Provide applicants with tools to assist with application and project management.
- Allow for fast release of funding for other regions and next projects.

Fast and Efficient Application Processing

- Allow a window for applicants to complete submissions.
- Build in more automation in application processing and applicant portal communications.
- Provide notice of awarded selection one month after the close of the application window.

Equitable Distribution of Chargers

- Prioritize high-need DCFC sites with a balance of DAC/LIC population.
- Fair and equitable distribution for the EV community and electric vehicle service providers.

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CALeVIP 2.0 Project
Golden State Priority Project (GSPP)

Regions & Funding

CEC will fund the first application window with **$30 Million** for DACs/LICs.

The first two regions will be the Central and Eastern Regions with
the following funding allocation:

Central: $10 million
Eastern: $20 million

Northern

Eastern

Central

Southern

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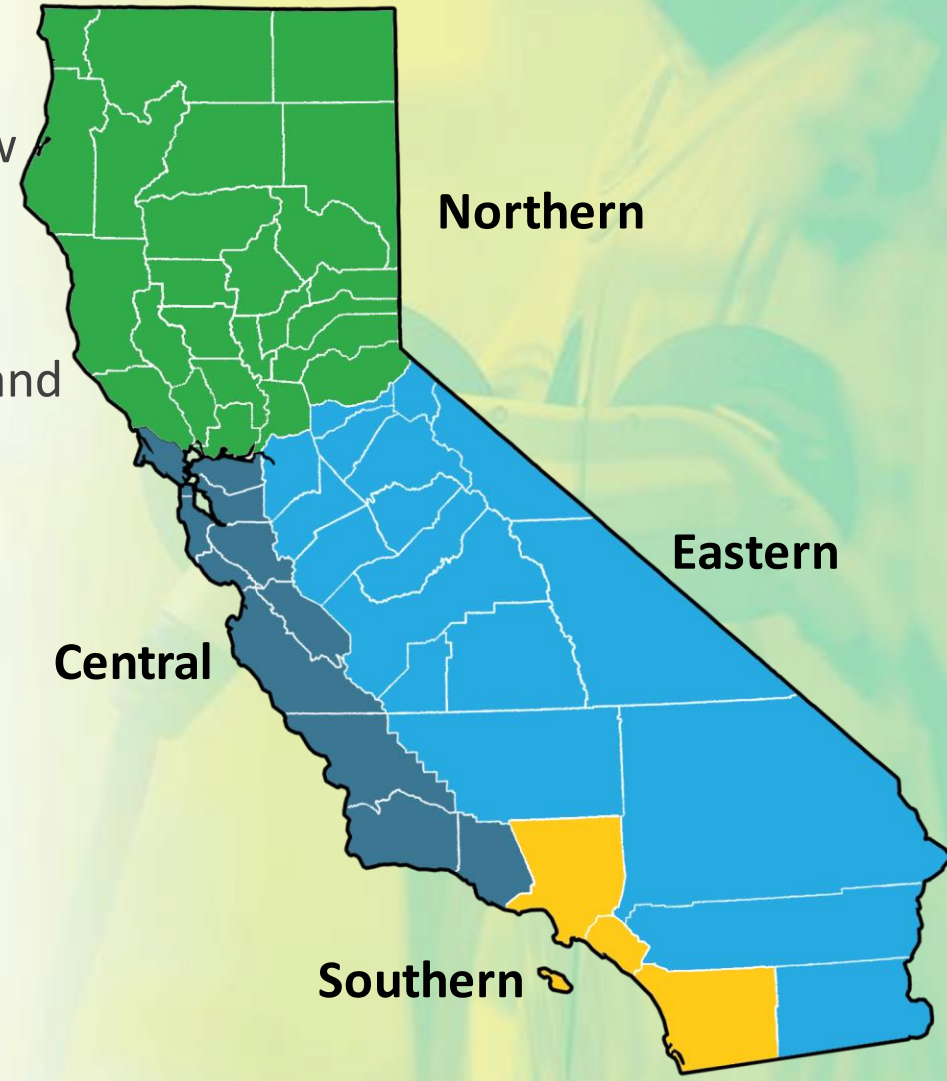
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Central and Eastern Regions

Central (12): Alameda, Contra Costa, Marin, Monterey, San Benito, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Ventura counties.

Eastern (18): Alpine, Amador, Calaveras, Fresno, Imperial, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, Riverside, San Bernardino, San Joaquin, Stanislaus, Tulare, and Tuolumne counties.

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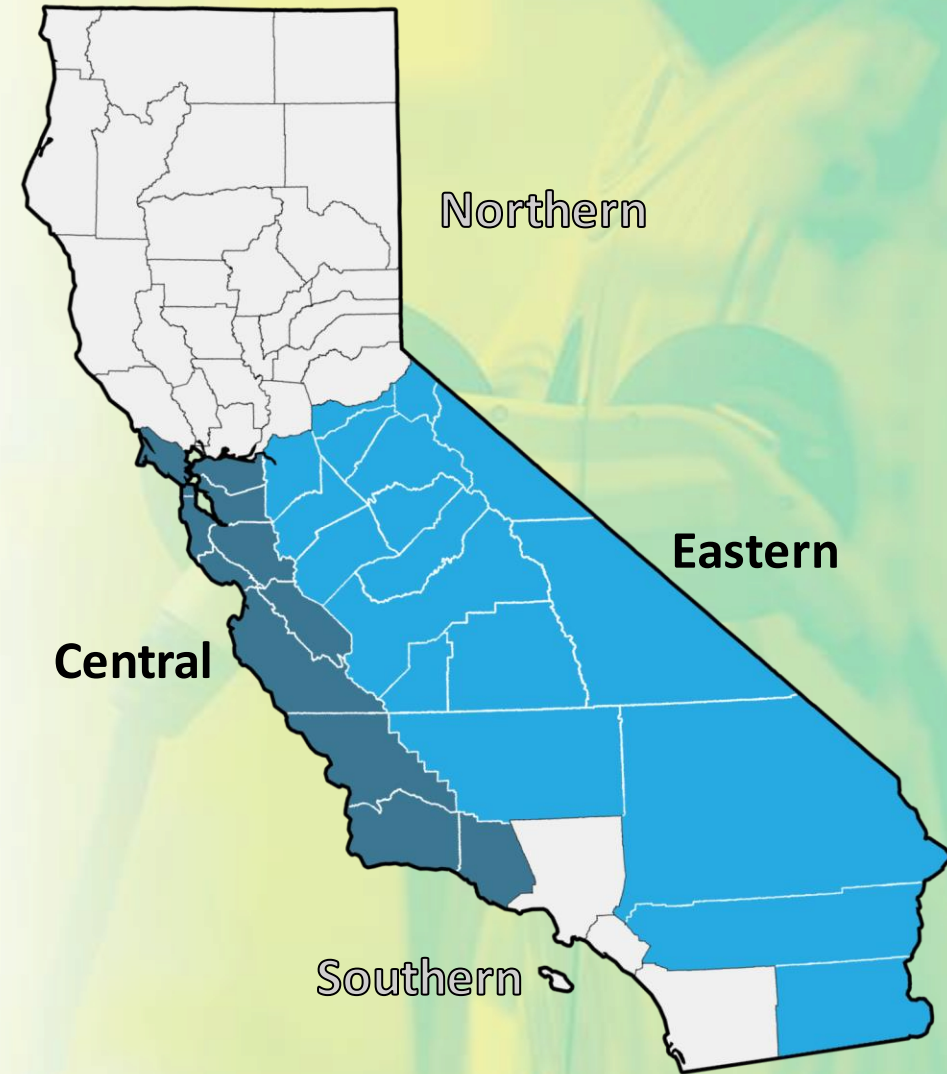
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Priority Population

The Golden State Priority Project (GSPP) will only provide funding to sites located within disadvantaged communities (DACs) or low-income communities (LICs) as defined by the California Air Resources Board's California Climate Investments Priority Populations map, which includes the following:

- CalEPA's Final Designation of Disadvantaged Communities Pursuant to SB 535.

- Census tracts that are either at or below 80% of the statewide median income or at or below the threshold designated as low income by the California Department of Housing and Community Development's (HCD) Revised 2021 State Income Limits.

Subsequent incentive projects under CALeVIP 2.0 may fund projects outside of DACs and LICs.

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Applicant Eligibility

Eligible applicants must:

- Be a site owner or their authorized agent with a Site Verification Form submitted at the time of application.

- Be a business, nonprofit organization, California Native American tribe listed with the Native American Heritage Commission, or a public or government entity based in California or operate as a California-based affiliate.

- Have a valid California Business License, except public agencies (e.g., municipalities) and joint powers authority agencies.

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Site Requirements

- Premises must be well-lit, secure, and in compliance with all federal, state and municipal laws, ordinances, rules, codes, standards, and regulations.

- Charging station must be publicly available 24 hours per day, 365 days a year.

- Parking lots and parking garages are exempt from the 24/7/365 and gate requirements but must be publicly accessible and available at least 18 hours a day, seven days a week, excluding holidays.

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Site Requirements

- Minimum of four active connectors, maximum of 20 active connectors.

- Additional connectors may be installed on a site and will count toward the total rebate-eligible cost, but rebates will be issued only to connectors meeting project requirements.

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Site Requirements

- Use Electric Vehicle Infrastructure Training Program (EVITP) certified electricians for the installation of the EV chargers:

  - If the electric vehicle charging supports a charging port supplying 25 kilowatts or more, at least 25% of the total electricians working on the crew, at all times during work hours, must hold EVITP certification.

ALL EVITP EXAMINATION IS NOW ONLINE!

www.evitp.org

info@evitp.org

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Eligible Site Types

- Airport

- Business District

- Casino

- City/County/Privately Owned Parking Lot or Garage

- College/University

- Community Center

- Gas Station

- Grocery Store

- Hospital

- Hotel

- Large-Format Retail

- Library

- Place of Worship

- Police or Sheriff Station

- Public Transit Hub

- Restaurant

- Retail Shopping Center

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Definitions for DCFCs

Active Connector: The number of DCFC connectors that can concurrently supply the rebated power level at any one time.

Guaranteed Output: The maximum power output (in kW) that is guaranteed to be available when all active connectors are in use.

Example:

A DCFC equipment capable of providing up to 350-kW charging is configured with four connectors and is capable of powering two connectors simultaneously at up to 175 kW each.

This model has two active connectors, and each active connector has a guaranteed output of 175 kW.

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Rebate Amount by Power Output

Rebates will cover up to **50%** of the installation's total approved cost, subject to the following rebate caps:

Guaranteed Output per Active Connector	Rebate Cap
150 kW – 274.99 kW	Up to **$55,000** per active connector
275 kW+	Up to **$100,000** per active connector

Example:

*A charging station with **four** active connectors at **150-kW** guaranteed output can receive up to 4 * $55,000 = **$220,000.***

*A charging station with **20** active connectors at **350-kW** guaranteed output can receive up to 20 * $100,000 = **$2,000,000**.*

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Equipment Requirements

DC fast charger installations must be:

New, stub-out/make-ready, or replacement

- DC Fast Chargers are eligible for replacement only if their power output is below 40kW.

- Non-DC Fast Chargers are not eligible for replacement under the Golden State Priority Project

Equipment Requirements

DC fast chargers must:

- Be new equipment installed for the first time.

- Use Combined Charging System (CCS) connectors and/or CCS adapters that are fully integrated into the charger such that they cannot be removed from the site.

    - Tesla and CHAdeMO connectors may be installed but will not be considered when determining the maximum rebate amount for the installation.

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Equipment Requirements

DC fast chargers must be networked, meeting the following criteria:

- Equipment must be networked via Wi-Fi, ethernet or cellular connection.

- Equipment must connect to a back-end network and be capable of "over-the-air" updates.

- Must be capable of utilization data collection.

- Minimum 5-year networking agreement, eligible toward total approved costs.

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Equipment Requirements

DC fast chargers must:

- Be capable of at least a 150-kW guaranteed power output at each active connector.

- Use an implementation of the Open Charge Point Protocol (OCPP) version 1.6 or later. (Self-attest via spec sheet)

- Not require a subscription or membership to dispense energy.

- If payment is required, the following payment options must be physically located on the charger or on a kiosk serving the charger: an EMV chip reader, a mobile payment device, and a toll-free number.

- Be certified by a Nationally Recognized Testing Laboratory Program (NRTL) to either UL 2202 or UL 9741.

- Be registered on the upcoming CALeVIP 2.0 Equipment Eligibility webpage as eligible for the Golden State Priority Project.

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Equipment Requirements Coming Soon

Effective **July 1, 2023**, DC fast chargers also must be:

- ENERGY STAR certified.

- Certified by Open Charge Alliance (OCA) for OCPP 1.6 or later.

  - At minimum, both a subset certificate and a security certificate

  - Certification for OCPP 2.0 will be required by 2025.

- ISO-15118 "Hardware Ready" via self-attestation to the CEC, which includes support for the following:

  - Powerline carrier-based (PLC-based) high-level communication as specified in ISO 15118-3.

  - Secure management and storage of keys and certificates.

  - Transport Layer Security (TLS) version 1.2; additional support for TLS 1.3 or subsequent versions is recommended to prepare for future updates to the ISO 15118 standard.

  - Remotely receiving updates to activate or enable ISO 15118 use cases.

  - Connecting to a back-end network.

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Pre-Verified Eligible Chargers

Rebate Tier	Active Connectors	Make/Model Configuration
150kW-274.99kW	1	ABB Terra 184 C
150kW-274.99kW	1	ABB Terra HP 175
150kW-274.99kW	2	ABB Terra HP 350 (Two Dispensers)
150kW-274.99kW	1	Blink Terra 184 C
150kW-274.99kW	1	Blink DCFC 175kW
150kW-274.99kW	1	BTC Power HPCT 150kW (One 200A or 350A Dispenser)
150kW-274.99kW	1	BTC Power HPCT 200kW (One 200A or 350A Dispenser)
150kW-274.99kW	2	BTC Power HPCT 350kW (Two 200A or 350A Dispensers)
150kW-274.99kW	2	Delta 350kW High Power DCFC
150kW-274.99kW	1	Efacec HV160
150kW-274.99kW	1	Efacec HV175
150kW-274.99kW	2	Efacec HV350
150kW-274.99kW	1	Tritium RT-175S
275kW+	1	ABB Terra HP 350 (One Dispenser)
275kW+	1	BTC Power HPCT 350kW (One 200A or 350A Dispenser)
275kW+	1	SK Signet HDP350K

Note: A charger's presence on this list does not represent an endorsement from the CEC or the CSE.

Don't see your charger on the list?

Contact us at evexpert@energycenter.org to begin the verification process.

Please submit your charger by **11/15/2022** to be listed

at opening of application window.

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Network Provider Requirements

All network providers must meet the following requirements to participate in CALeVIP 2.0 projects:

- Provide networking services for EV charging stations.

- Have a signed data-sharing agreement in place with CSE.

- Implement a mechanism to transfer the required data to CSE with a format and frequency that is acceptable to CSE and CEC

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Network Provider Requirements

All network providers must be capable of obtaining and providing the following data using 15-minute intervals, at minimum, from the usage of the EV charging stations:

- EVSE ID

- Port ID

- Port maximum kW

- Connection start/end date

- Connection start/end time

- Charge session start/end date

- Charge session start/end time

- Energy consumed

- Vehicle make, model, and year

- Interval ID

- Interval peak demand

- Interval start/end date

- Interval start/end time

- Interval energy consumed

- Interval average demand

- Idle duration

- Downtime reason

- Event start/end date

- Event start/end time

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Pre-Verified Network Providers

Pre-Verified Network Providers
ChargePoint
ChargeLab
EVConnect
EVGateway
EVMatch
PowerFlex

Note: A network provider's presence on this list does not represent an endorsement from the CEC or the CSE.

Don't see your network on the list?

Contact us at evexpert@energycenter.org to begin the verification process.

Please have a finalized data sharing agreement by **11/15/2022** to be listed at opening of application window.
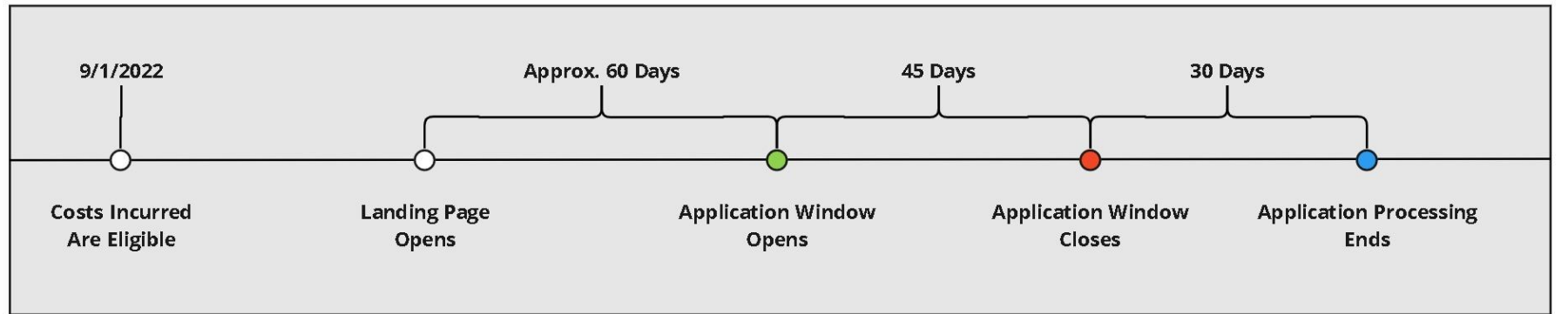
What is your experience with applying for an EV charger rebate project?

- What is an EV charger rebate project?

- I have researched it but have not yet applied for one yet.

- I have applied for a rebate but have not been selected to receive a rebate.

- I have applied for a rebate and was selected for a rebate that will be sent after we complete an installation.

- I have applied for many different rebates and have completed installations and received rebates.
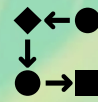
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Application Funding Timeline

Timeline:

9/1/2022 — Costs Incurred Are Eligible

Landing Page Opens

Approx. 60 Days — Application Window Opens

45 Days — Application Window Closes

30 Days — Application Processing Ends

Applicants should be prepared for the Window Opening in January 2023

(exact date to follow)
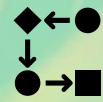
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Application Window Actions

During the application window, applicants will be able to do the following:

- Provide information on the online application form about the rebate recipient, the site, the equipment to be installed, and the network provider selected.

- Save, edit, and finalize online application form.

- Contact CSE for assistance verifying that the correct documents have been prepared and completed correctly.

- Upload required documents once finalized.

  - Note that once uploaded, a document cannot be corrected, so please do not upload a document until it is ready for submission.

- After completing all the required information and documentation, applicants will be able to submit their application.

All applications must be submitted prior to the close of the application window and only one application per site will receive rebate funding.
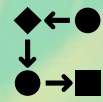
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Funding Reservation Process

Once submitted, applications will be sorted into the following tiers:

| Tier	Required Documents at Application
1 - Highest *"Ready to Build"*	Site Verification Form + Issued Permit **AND** Final Utility Design
2 - Medium *"Design Approved"*	Site Verification Form + Issued Permit **OR** Final Utility Design
3 - Lowest *"Ready to Go"*	Site Verification Form + Permit Application Package **OR** Utility Service Design Application Package

Note: Construction cannot have started prior to the close of the application window.
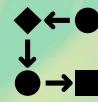
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Funding Reservation Process

After prioritization, applications will be reviewed according to their randomly assigned spot in the queue
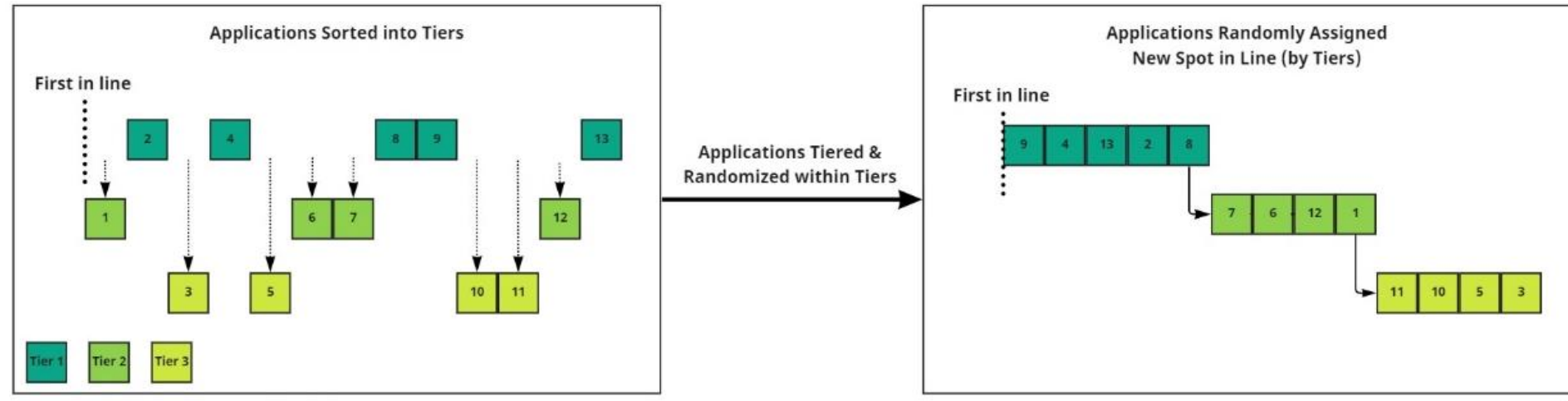
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Communication of Funding Reservation

If the application has rebate funds reserved:

- CSE will send a Funds Reserved email to notify the applicant.

- The applicant has 450 calendar days from the Funds Reserved date to complete the project and submit all required documents.

- Applications are eligible to receive one rebate payment at project completion.

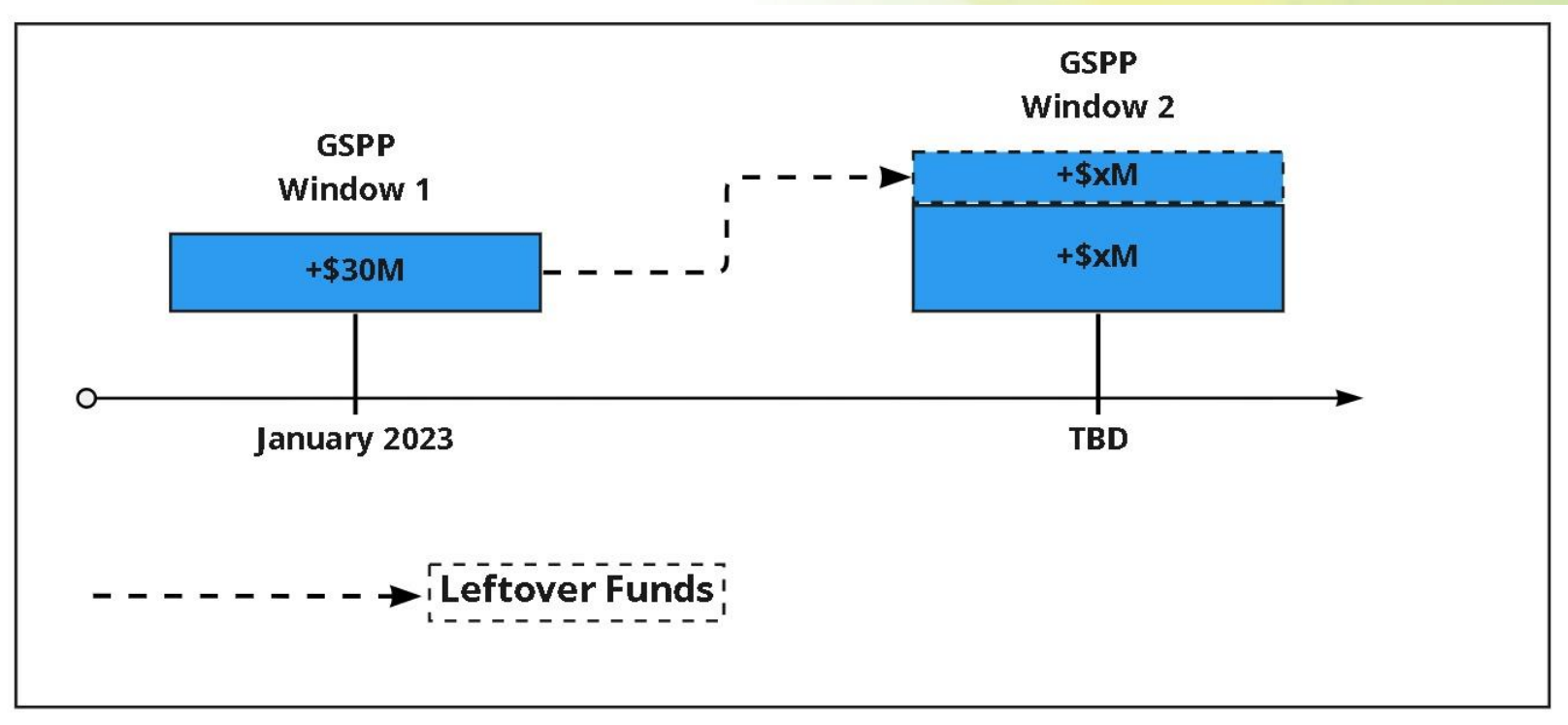If the application has not had funds reserved:

- CSE will send an email informing the applicant of this result, their application's tier, and why the application was not selected (e.g., not enough funding, duplicate application for the same site, incomplete documentation, etc.).

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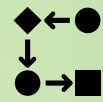
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Project Funding Timelines

- Once all funding is awarded, there will be no waitlist.

- If any leftover funds emerge at any time in a project, these funds will be transferred and used to fund subsequent application windows.

Required Documentation

Documents due with application

- A completed Site Verification Form (SVF) providing confirmation that the site owner authorizes the applicant to install the equipment at the site.

- A complete Permit Application Package or Utility Service Design Package.

By 60 days from Funds Reserved

- Submit a copy of an issued permit and final utility service design (if applicable).

- Submit a copy of the equipment order.

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Permit Application/ Utility Service Design

A complete Permit Application Package

- Permit application submitted to permitting agency

- Copy of plan set submitted with permit application

- Receipt for paid plan check fees (where applicable)

OR

- Issued permit

A complete Utility Service Design Package

- Utility service application submitted to utility

- Copy of plan set/electrical drawings submitted with utility service application

- Receipt for paid engineering advances (where applicable)

OR

- Final utility design

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Required Documentation

At 120 days, 210 days, 300 days, and 390 days from Funds Reserved

- Submit a Progress Questionnaire response for each application to meet progress checkpoint and retain funds reserved.

By 450 days from Funds Reserved

- Complete an Installation Data Form online (cost, installation, charger info).

- Copies of paid invoices (design, installation, equipment).

- Network agreement attestation and copy of networking agreement/contract.

- Copy of final inspection card.

- At least two photographs of installed and operational chargers.

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Contractor/Applicant Performance

Golden State Priority Project goals:

- **Deploy DCFCs in DACs and LICs as quickly and efficiently as possible**
- **Minimize project cancelations and rebate application extensions**

To this end, we would like your input on the following three questions:

If so, how should CALeVIP determine which contractor/applicants should be penalized?

- High number / percentage of Project Cancellations

- High number / percentage of Application Extensions provided

- Both

- Neither

Poll Question #5

What do you think is the appropriate penalty?

- Probation / nonparticipation of 1-2 projects?

- Probation / nonparticipation for more the 2 projects?

- Probation / nonparticipation of 6-12 months?

- Probation / nonparticipation of longer than 12 months?

- None

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Construction Progress Tracker

CSE will provide the Construction Progress Tracker (CPT) tool to help applicants manage multiple applications and projects being funded through CALeVIP. The tool will help applicants visualize where in the rebate process each of their applications is and help identify any required action items.

Specific benefits include:

- **Project Benchmarking**: Transparency of where applicants are vs. where they should be.

- **Industrywide Construction Insight**: Comparative analysis on permitting, utility, or supply chain delays.

- **Extension Request Estimations**: Predictive analysis on the likelihood of extension requests.

- **Policy Goals**: Data-backed reasoning for infrastructure deployment policy.

- **Streamlined Deployment**: Faster deployment of charging infrastructure.

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Construction Progress Tracker

Applicant engagement required in the CPT:

- Initial no-cost Teamwork account set up.

- Receipt of reminder notification emails.

- Updating tasks/milestones based on project progress.

- Respond to periodic Progress Surveys, sent at 120-, 210-, 300-, and 390-day milestones.

- Uploading required documents into Salesforce.

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Question and Answer Session

Questions?

Please submit comments and questions now through chat.

Q&A Panelists
Fidel Leon-Green, Center for Sustainable Energy
Brian Fauble, California Energy Commission

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Additional Resources

Post-webinar:

- Visit the Golden State Priority Project Webpage

  www.calevip.org/incentive-project/golden-state-priority-project

- Contact us with additional questions at: evexpert@energycenter.org

- The webinar recording will be emailed to attendees by **09/06/2022**

- Visit CEC Docket 22-EVI-01:

  - View all CALeVIP 2.0 webinars and presentations

  - Submit comments

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More Resources

The following resources will be available prior to the opening of the application window:

- Guides on the application process and using the CPT.

- Guides on relevant CA regulations and legislation.

- Videos on the application process and using the CPT.

- Links to relevant CALeVIP webinars and workshops.

- Forms library for easy access to downloadable forms.

- Interactive eligible equipment list.

Thank You

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Appendix:
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Timeline Summary

Date	Event
September 1, 2022	Project webpage live/ Costs incurred after this date are eligible
September 6, 2022	09/01 webinar recording emailed to attendees
TBD	Follow up webinar
November 15, 2022	Equipment Submissions and signed Data Sharing Agreements due for models and network providers to be listed at window opening
TBD	Follow up webinar
January 2023	First Application Window opens (exact date TBA)
February - March 2023	First Application Window closes (Closes after 45 days)
March - April 2023	Notification of Funding Results
July 1, 2023	New Equipment Requirements take effect: ENERGY STAR certification, OCPP certification, ISO-15118 "hardware-ready"

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Northern and Southern Regions

Northern (25): Butte, Colusa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo, and Yuba counties

Southern (3): Los Angeles, Orange, and San Diego counties

Northern

Eastern

Central

Southern

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49