



# Demand Side Grid Support Program

*2025 Season Kickoff: Option 1 Providers*

May 2, 2025

# Agenda

- 1 Introduction
- 2 Eligibility and Enrollment Reporting
- 3 Incentives and Claims
- 4 Events
- 5 Capacity Commitments
- 6 BUG Reporting
- 7 Q&A

# INTRODUCTION

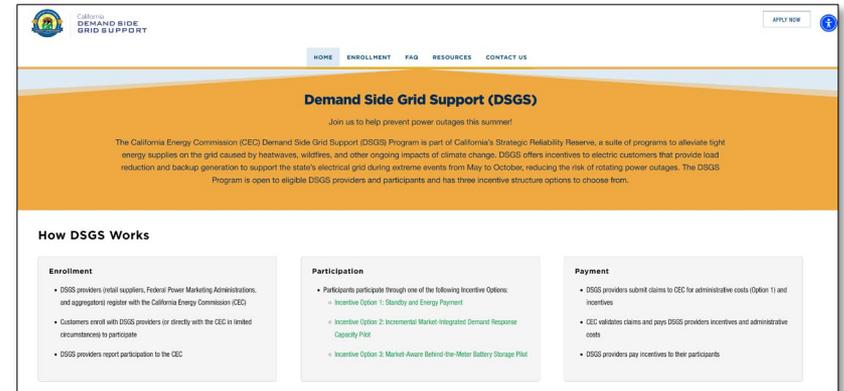
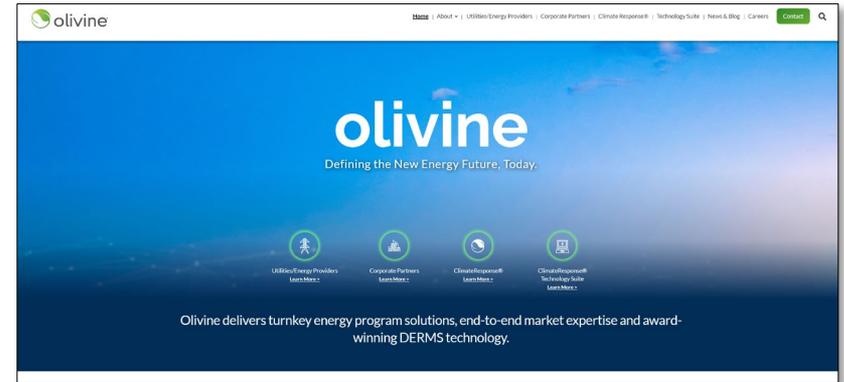
# Olivine Introduction & Role in DSGS

## About Olivine, Inc.

- California-based company focused on helping the state meet its renewable energy and GHG reduction goals
- Learn more at [www.olivineinc.com](http://www.olivineinc.com)

## Role in DSGS

- Implementing DSGS on behalf of CEC
- Responsible for providing program management and infrastructure to support enrollment, communications, reporting and performance monitoring



# Overview of Key Changes to Option 1 Guidelines

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Section	Changes for 2025
Eligibility	<ul style="list-style-type: none"><li>• Update to conflicting programs</li></ul>
Participant Enrollment Reports	<ul style="list-style-type: none"><li>• Additional report requirement added</li></ul>
Program Availability	<ul style="list-style-type: none"><li>• Address overlapping EEAs called by two California BAs</li></ul>
Incentives	<ul style="list-style-type: none"><li>• Controllable Generation Incentive</li></ul>

# ELIGIBILITY AND ENROLLMENT

# Conflicting Program Updates

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**A participant is not eligible to receive incentives if their load-reduction resource with the DSGS provider is:**

- Enrolled in the Emergency Load Reduction Program (ELRP)
- Enrolled in the Base Interruptible Program
- **Enrolled in the Agricultural Pump Interruptible Program**
  - This is a demand response program in Southern California Edison's (SCE) territory that offers monthly bill credits to business that agree to temporarily interrupt their electricity service during peak energy demand.



# INCENTIVES AND CLAIMS

# Incentives

## Energy Payment

Participants will earn an incentive of

**\$2 for each kilowatt-hour (kWh) of load reduction**

*Uses CAISO 10-in-10 baseline methodology (weekdays) and 4-in-4 (weekends & holidays)*

## Standby Payment

Participants using combustion resources that provide a standby commitment\* receive a

**standby payment of \$0.25 per kWh**

for each hour their resource is not dispatched

*\*Identifying their available combustion capacity upon notice of a DSGS standby event*

## Removed for 2025

### Controllable Generation Incentive

Backup generators powered by biomethane, natural gas, or diesel that are remotely controllable can receive

**a one-time bonus incentive of \$2.00/kW or \$1.50/horsepower (HP),**

as defined on the specification sheet of the generator

## Increased Customer Demand Charge

Participants can also be

**reimbursed for incremental increases in customer demand charges**

that result from participation in the program and are incurred during the billing period in which a DSGS Program event occurred, if any

# EVENTS

# Option 1 Event Triggers

- Providers dispatch participants to respond to EEAs called by CAISO
- Providers dispatch participants to respond to EEAs called by that participant's BA
  - If 2 or more CA BAs issue an EEA in an overlapping time frame, participants prioritize their own BA



## EEA Watch

- Combustion resources: **Standby**
- Non-combustion resources: **Dispatch**



## EEA 1

- Combustion resources: **Standby**
- Non-combustion resources: **Dispatch**



## EEA 2

- Dispatch all resources\*



## EEA 3

- Dispatch all resources\*



# Option 1 Event Process



1. All participants can respond to CAISO events
2. Providers / Participants may coordinate with a neighboring BA to respond independent of DSGS Admin notifications (non-combustion resources only)
3. Two BAs issue overlapping EEAs, participants prioritize their own BAs

1. Olivine will issue event notices in response to EEA conditions
2. If grid conditions change and additional EEA notices are issued, event notifications will be updated

1. Provide capacity or standby commitments within 1 hour of each event notice
2. Participants with combustion resources must provide a standby commitment to receive a standby payment

# CAPACITY COMMITMENTS

# What is a Capacity Commitment?

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Event Type	Applies to Enrollment Type	Capacity Commitment (kW)
Standby	Combustion, Mixed	Standby Commitment: The amount of incremental load reduction <i>that would be available</i> from combustion resources <i>if dispatched</i> . Required for a standby payment.
Load Reduction	Non-Combustion, Mixed	The amount of incremental load reduction you estimate to achieve by responding to the event. Does not impact payment.
Combustion	Combustion, Mixed	

# Capacity Commitment Reminders

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- Option 1 Providers provide capacity commitments in response to event notifications via the Olivine DER™ platform\*
  - Don't have an account or need to add users? Email us at [dsgs-support@olivineinc.com](mailto:dsgs-support@olivineinc.com)
- Providers must determine capacity commitments from their participants and provide aggregate capacity commitments for their aggregation
- **Standby Commitment**
  - Capacity commitments provided for combustion resources, in response to standby events
  - Standby Commitments are required to receive a standby payment
    - Not required, but if provided for one must provide one for each standby event
- **Deadline**
  - Within one hour or as quickly as feasible after the DSGS event notice is issued
  - Must be provided before the start of the event hour
  - Exception: In the case of a sudden onset event, providers must provide a commitment within one hour of the DSGS event notice being issued

# Review Default Commitment Values

## OlivineDER™:

You'll be taken to the Capacity Commitment User Interface (UI) automatically filtered for the event day associated with the notification you received

The table lists all your enrollments participating in an event on that day

The screenshot shows the OlivineDER Capacity Commitment User Interface. At the top, there is a navigation bar with the Olivine logo, a yellow box indicating "Events: Tomorrow:2", and the user's email "ashelton+test@olivineinc.com" with a "Account Sign Out" link. Below the navigation bar is a "Home" button and a "Commitments" heading. A date selector shows "05/28/2024". The main content is a table with the following data:

Program	Description	Owner	Event Start	Event End	Combustion (kW)	Non-Combustion (kW)	Response	User Action
DSGS Option 1 Direct Enrolled			4:00 PM	11:00 PM	50	30	None	Response Required
DSGS Option 1 Direct Enrolled			4:00 PM	11:00 PM		1	None	Response Required

At the bottom right of the interface is a blue button labeled "Submit Capacity Commitments". At the bottom center, there is a copyright notice: "Copyright 2010-2024 Olivine".

*Screenshot is of testing environment. Production environment does not have yellow hashed background.*

# Review Default Commitment Values

ashelton+test@olivineinc.com  
Account Sign Out

Home

Events: Tomorrow:2

05/28/2024

Program	Description	Owner	Event Start	Event End	Combustion (kW)	Non-Combustion (kW)	Response	User Action
DSGS Option 1 Direct Enrolled			4:00 PM	11:00 PM	50	30	None	Response Required
DSGS Option 1 Direct Enrolled			4:00 PM	11:00 PM		1	None	Response Required

Submit Capacity Commitments

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If the enrollment only has Non-Combustion resources, the Combustion column is greyed out and vice versa

The Combustion and Non-Combustion values are populated with the Minimum Load Reduction (kW) estimate you provided in your most recent report

Screenshot is of testing environment. Production environment does not have yellow hashed background.

# Submit All Commitment Values

The screenshot shows the Olivine web application interface. At the top, there is a navigation bar with the Olivine logo, a user profile for 'ashelton+test@olivineinc.com', and a 'Sign Out' link. Below the navigation bar, there is a 'Home' button and a 'Commitments' section. The 'Commitments' section features a date selector set to '05/28/2024'. Below the date selector is a table with the following data:

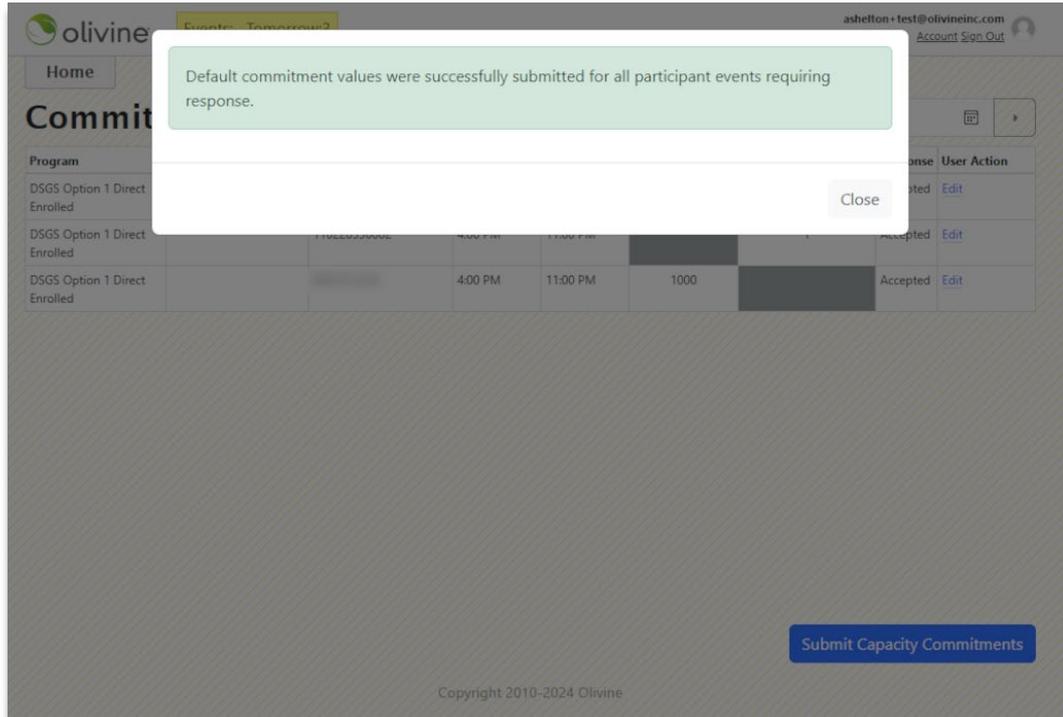
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At the bottom of the page, there is a blue button labeled 'Submit Capacity Commitments' which is circled in black. An arrow points from the text on the right towards this button.

If the default values are correct, simply click this button to submit all values

Screenshot is of testing environment. Production environment does not have yellow hashed background.

# Step 4: Submit All Commitment Values



Screenshot is of testing environment. Production environment does not have yellow hashed background.

# Submit All Commitment Values

The screenshot shows the Olivine web interface. At the top left is the Olivine logo. To its right is a yellow box containing the text 'Events: Tomorrow:2'. Further right is the user's email 'ashelton+test@olivineinc.com' and a 'Sign Out' link. Below this is a 'Home' button. The main heading is 'Commitments', followed by a date selector set to '05/28/2024'. Below the heading is a table with the following data:

Program	Description	Owner	Event Start	Event End	Combustion (kW)	Non-Combustion (kW)	Response	User Action
DSGS Option 1 Direct Enrolled		[Redacted]	4:00 PM	11:00 PM	50	30	Accepted	<a href="#">Edit</a>
DSGS Option 1 Direct Enrolled		[Redacted]	4:00 PM	11:00 PM	[Redacted]	1	Accepted	<a href="#">Edit</a>

At the bottom right of the table area is a blue button labeled 'Submit Capacity Commitments'. At the bottom center of the page is the copyright notice 'Copyright 2010-2024 Olivine'.

Once submitted, the row background changes from yellow to white and Response changes to Accepted

**You have the ability to edit the values up until the deadline**

*Screenshot is of testing environment. Production environment does not have yellow hashed background.*

# (Optional) Adjust Commitment Values

Home

Events: Tomorrow:2

ashelton+test@olivineinc.com Account Sign Out

## Commitments

05/28/2024

Program	Description	Owner	Event Start	Event End	Combustion (kW)	Non-Combustion (kW)	Response	User Action
DSGS Option 1 Direct Enrolled			4:00 PM	11:00 PM	50	30	None	Response Required
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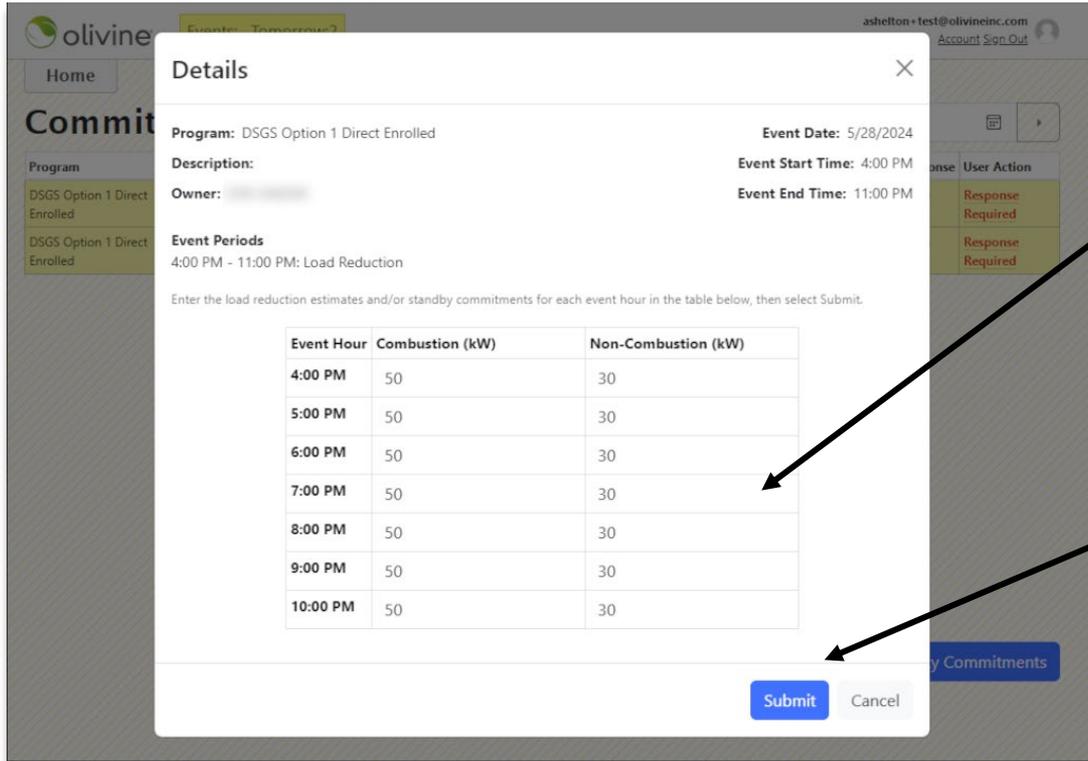
Submit Capacity Commitments

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If the default values require adjustments for a given enrollment, click on **Response Required**

Screenshot is of testing environment. Production environment does not have yellow hashed background.

# (Optional) Adjust Commitment Values + Submit



Adjust the values

You can provide different values for each event hour

Once you're done making adjustments, click Submit to submit the values for that enrollment

Afterwards, you can either adjust the values for other enrollments or submit the remaining default values

Screenshot is of testing environment. Production environment does not have yellow hashed background.

# BUG REPORTING

# Backup Generation CARB Reporting

If a DSGS dispatch event occurred for combustion resources, providers and direct participants with BUGs on-site must report to CEC and California Air Resources Board (CARB) within 10 business days of the following month.

The CEC will not approve requests for incentive payments for backup generation until CARB receives the report associated with that backup generation for each month in which the backup generation participated.

DSGS providers must determine with their participants who is responsible for submitting the reports.

See [CARB Report Template](#) on DSGS Website.

Category	Field Name	Description
<b>Generator Identification</b>	<i>Customer Account Identifier</i>	(required) LSE customer account identifier
	<i>BUG Unique Identifier</i>	(required) Unique description of BUG (Back-Up Generator)
	<i>Address 1</i>	(required if address provided) First line of address where the BUG is located
	<i>Address 2</i>	(optional) Second line of address where the BUG is located
<b>Generator Location Details*</b>	<i>City</i>	(required if address provided) City where the BUG is located
	<i>Zip Code</i>	(required if address provided) Zip code where the BUG is located
	<i>State</i>	(required if address provided) State where the BUG is located
	<i>Latitude</i>	(required if GPS coordinates provided) Latitude where the BUG is located
	<i>Longitude</i>	(required if GPS coordinated provided) Longitude where the BUG is located
	<i>Portable/ Stationary</i>	(optional) Indicate whether the BUG is portable or stationary (possible values: Portable, Stationary)
<b>Backup Generation Details</b>	<i>Age (years)</i>	(required) Age of the BUG in years
	<i>Rated Power (hp)</i>	(required) Rated power of the BUG in horsepower
	<i>Federal Emissions Tier</i>	(required) Federal emissions tier of the BUG (possible values: Tier 1, Tier 2, Tier 3, Tier 3 Flex, Tier 4, Tier 4 Flex, Tier 4 Final)
	<i>Fuel Type**</i>	(required) Fuel type used by the BUG (Possible values: Diesel, Gasoline, Natural Gas, Fuel Oil, Solar, Electric, Propane, Liquefied Petroleum Gas, Other)
	<i>Amount of Fuel Used</i>	(required) Amount of fuel used during DSGS events in the reporting month in US gallons
	<i>Operating Time</i>	(required) Total number of hours run on program event days in the reporting month. Provide fractional hour values as decimals (e.g., 5.5 hours).

# Q&A



For more information,  
please contact:

DSGS Support  
[dsgs-support@olivineinc.com](mailto:dsgs-support@olivineinc.com)  
(866) 208-6352

THANK YOU!