

2023 Central Procurement Entity Local RA RFO Participants' Webinar

March 30, 2023



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PG&E as the Central Procurement Entity

- PG&E is issuing the 2023 Local Resource Adequacy Request for Offers & Commitments (“RFO”) in its function as the Central Procurement Entity (“PG&E CPE”).
- PG&E CPE is required to procure local capacity or obtain self-shown commitments for local capacity to meet the 3-year forward multi-year local resource adequacy (“RA”) requirement on behalf of all CPUC-jurisdictional load serving entities (“CPUC LSEs”) within its electric distribution service area.
- All procurement conducted by PG&E CPE is distinct from procurement conducted by PG&E for PG&E’s bundled electric service customers.



Q&A / Audio Replay

- At any time during this presentation participants should email their questions to the RFO mailbox: CPEsolicitations@pge.com
- There will be time to answer questions at the end of the webinar
 - PG&E CPE may not address all of the questions during the Q&A portion of the webinar
 - After the webinar, PG&E CPE will compile and post a Q&A document on the RFO website at: [Resource Adequacy Central Procurement - 2023 Solicitation \(pge.com\)](#)
- The audio portion of the webinar will also be posted on the RFO website as noted above



Document Conflicts

- This presentation is intended to be a summary level discussion of the information and requirements established in the RFO materials (it does not include all of the detailed information in the RFO materials).
- To the extent that there are any inconsistencies between the information provided in this presentation and the requirements in the RFO materials, the RFO materials shall govern.
- PG&E CPE encourages participants to carefully review the **2023 CPE Local RA RFO – Solicitation Protocol**
- **If Participants have questions regarding the CPE RFO documents, PG&E CPE asks Participants to seek clarity by submitting their questions to the CPE RFO mailbox (CPESolicitations@pge.com) prior to submitting a Commitment or Offer.**



Objective & Agenda

Objective

The objective of this webinar is to provide information to Participants who may submit Self-Shown Commitments or Offers into the 2023 CPE Local RA RFO. All information in this presentation applies only to the 2023 CPE Local RA RFO.

Agenda

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Introduction	2 - 8
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New for 2023

1. **To finalize prompt year procurement by the end of June 2023, PG&E as CPE will break out the 2023 CPE RFO procurement process with two separate deadlines for targeted execution.**
 - a) Track 1 will focus on negotiating and executing Competitive Offers that include 2024 RA capacity delivery.
 - b) Track 2 will focus on negotiating and executing all other Competitive Offers.

2. **PG&E CPE will allow CPUC LSEs to transact with the CPE under the PG&E CPE Local RA Confirmation Letter, which will be governed by the PG&E CPE Edison Electric Institute (EEI) Master Agreement. RA Confirm Option will be limited to Offers that meet the following criteria and will exclude Compensated Self-Shown Commitments:**
 - a) Offers from CPUC LSEs with respect to an existing resource already under contract with such CPUC LSE, who is a non-owner/operator of the resource; and
 - b) Such Offers that have a delivery term that will not commence prior to the 2024 RA compliance period on 1/1/2024 and will not extend beyond the 2026 RA compliance period ending on 12/31/2026.



Expected 2023 PG&E CPE Local RA RFO Schedule

Expected 2023 PG&E CPE RFO Schedule*	
Event	Date
PG&E as CPE issues 2023 CPE RFO	March 22, 2023 [Wednesday]
Participants' Webinar	March 30, 2023 [Thursday]
Non-Compensated Self-Shown Commitment Deadline	April 18, 2023 [Tuesday]
Competitive Offer Deadline for PG&E Participant	April 25, 2023 [Tuesday]
Competitive Offer Deadline for All Other Market Participants	April 26, 2023 [Wednesday]
Estimated Timeframe for Agreement Execution	Track 1: Late June 2023 Track 2: Early August 2023
PG&E as CPE's Local RA Showing with CPUC	Mid-August 2023

Non-Compensated
Self-Shown
Commitment Process

Competitive Offer
Process

****Note: All dates are tentative and subject to change, please refer to the 2023 CPE RFO Solicitation Protocol for specific deadlines***



Independent Evaluator (IE)

- Primary role of the IE is to:
 - Monitor RFO processes to ensure fair and equal treatment of all potential Participants.
 - Monitor evaluation processes to ensure PG&E CPE has implemented methodology as described and that Self-Shown Commitments and Offers are treated consistently
 - Report on RFO process and proposed transactions to the CPUC when filed for CPUC approval.
- The IE may review all Self-Shown Commitment and Offer data and communications with Participants.
- PG&E CPE 2023 Local RA RFO – IE is Merrimack Energy.
 - Wayne Oliver, Keith Oliver & Mark Smith: MerrimackIE@merrimackenergy.com
 - Please copy the IE on all communications to the PG&E CPE's RFO mailbox at CPESolitations@pge.com

PG&E CPE 2023 Local RA RFO Overview



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2023 CPE Local RA RFO Goal

Goal:

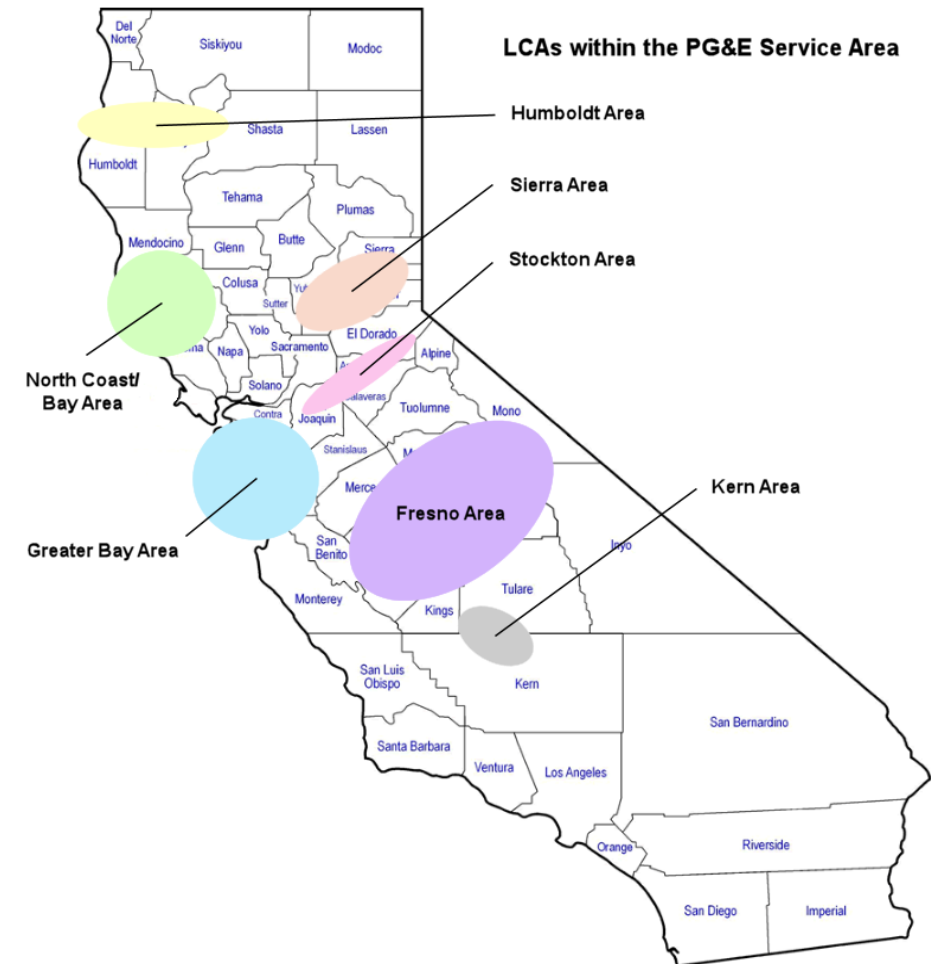
In order to meet the central procurement obligations required by the Decisions, PG&E as the CPE is seeking new and existing local resource capacity that can provide RA in PG&E Local Areas.

In 2023, PG&E CPE is required to procure or obtain self-shown commitments for:

- **100 percent of the CPUC's 2024 Local RA requirements in PG&E's distribution service area.**
- **100 percent of the CPUC's 2025 Local RA requirements in PG&E's distribution service area.**
- **50 percent of the CPUC's 2026 Local RA requirements in PG&E's distribution service area.**

PG&E CPE is seeking to:

1. Obtain commitments from CPUC LSEs that will self-show their resources to reduce the total Local RA need in PG&E's distribution service area; and
2. Procure RA capacity from new and existing resources that are located in PG&E's Local Capacity Areas to meet the local RA requirements allocated to PG&E CPE by the CPUC.





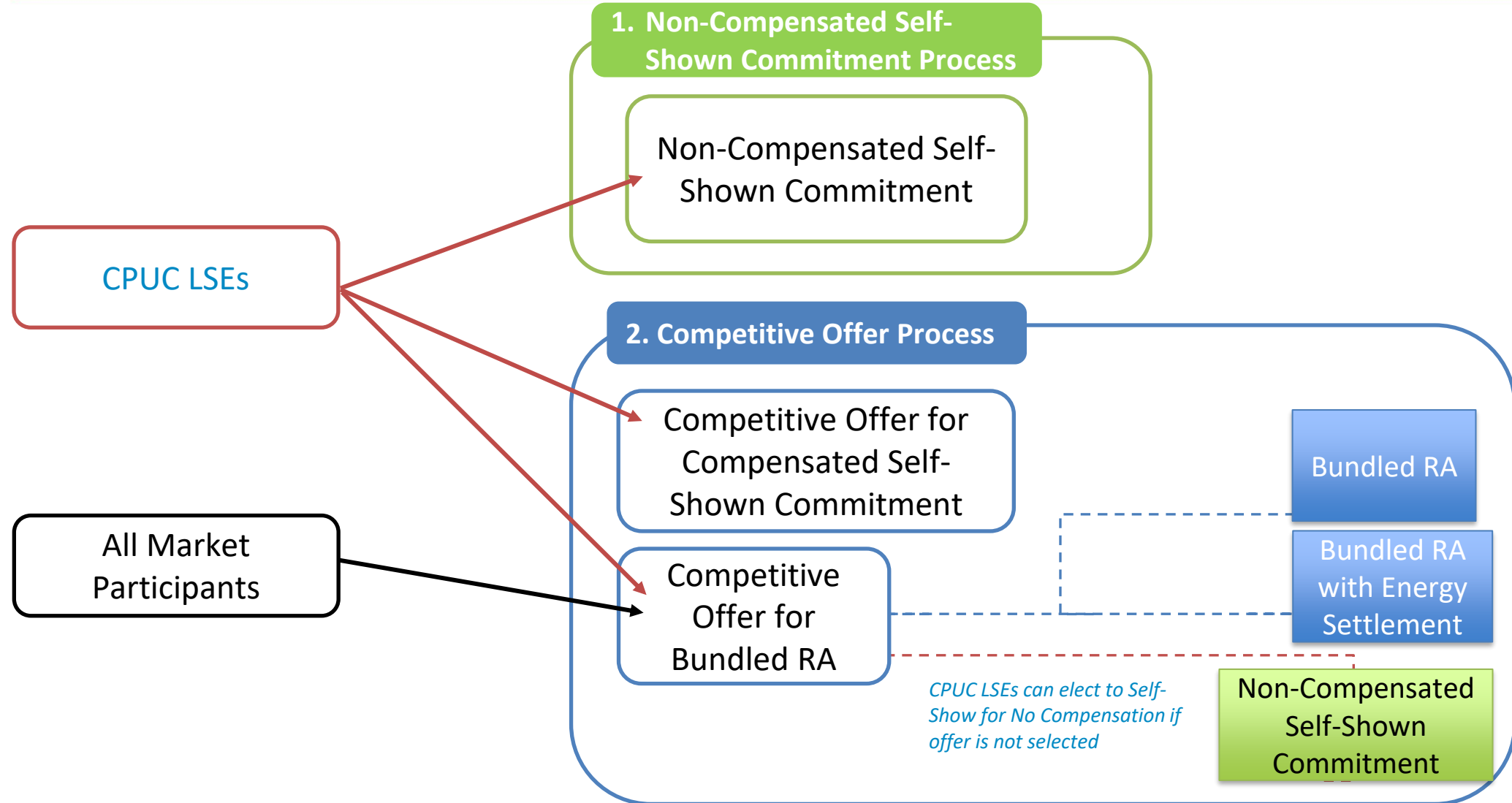
Resource Minimum Eligibility Requirements

To be eligible to participate in the CPE 2023 Local RA RFO, all resources must meet the following minimum eligibility requirements:

1. Must have a single CAISO Resource Identification (“CAISO Resource ID”), as defined in the CAISO Tariff.
 - Aggregated behind-the-meter resources, including demand response, must be in a single Sub-LAP, as such term is defined in the CAISO Tariff.
2. Must be able to provide RA capacity.
 - Resources must meet the applicable CPUC and CAISO RA requirements that will enable PG&E CPE to receive all of the applicable RA benefits associated with the resource.
3. Must be electrically connected in a PG&E Local Capacity Area and remain listed as such per the CAISO’s Local Capacity Technical Study.



CPE Commitment & Procurement Processes





Non-Compensated Self-Shown Commitment

Commitment: Non-Compensated Self-Shown Commitment

Eligible Counterparties: CPUC LSEs

Eligible Resources: Any Existing or New resource under contract with or owned by a CPUC LSE that meets the minimum eligibility requirements of the RFO.

Shown Term: Must fall within 3-year forward local RA compliance period (2024-2026)

Details (per the Decisions):

- CPUC LSEs that submit a Non-Compensated Self-Shown Commitment will retain the resource's system and flexible RA attributes to meet their own RA obligations.
- CPUC LSEs will submit a Self-Shown Attestation in lieu of a contract. A contract is not required for Non-Compensated Self-Shown Commitments.
- CAISO backstop procurement costs related to the non-performance of resources providing Non-Compensated Self-Shown Commitments will be charged to the CPE and allocated to all CPUC LSEs in a CPE's TAC area through Cost Allocation Mechanism (CAM).



Competitive Offer Process: Compensated Self-Shown Commitment

Product: Compensated Self-Shown Local RA

Eligible Counterparties: CPUC LSEs

Eligible Resources: Any preferred resource or energy storage resource with an original contract executed on or after June 17, 2020 that meets the minimum eligibility requirements of the RFO. For utility-owned generation, any resource approved by the Commission or by Advice Letter on or after June 17, 2020 that meets the minimum eligibility requirements of the RFO.

Shown Term: Per the LCR RCM Decision, the Shown Term must be equivalent to the period the resource is under control or contracted for that corresponds to the 3-year forward local RA compliance period (2024-2026).

Details (per the Decisions):

- Compensation for selected Competitive Offers for Compensated Self-Shown Commitments will be capped at a pre-determined Local RA premium in each local area based on administrative benchmarks determined by the CPUC.
- CPUC LSEs that competitively offer Compensated Self-Shown Local RA will retain the system and flexible RA attributes of the resource.
- Both an attestation and a contract are required for Compensated Self-Shown Local RA.



Competitive Offer Process: Bundled RA & Bundled RA with Energy Settlement

Products: Bundled RA, Bundled RA with Energy Settlement

Eligible Counterparties: All Market Participants

Eligible Resources: Any new or existing resource that meets the minimum eligibility requirements of the RFO.

Delivery Term:

- Greater than or equal to 1 month
- PG&E CPE prefers Delivery Terms from 1 month – 60 months
- For new resources where seller is the owner of the resource, PG&E CPE may prefer a Delivery Term of 10 years or 15 years to help incentivize the development of new local resources
- Initial Delivery Date (IDD)
 - Existing Resource: Must start within compliance window; Jan 2024 – Dec 2026
 - New Resource: May start anytime between Jan 2024 – Dec 2028



Competitive Offer Process: Bundled RA & Bundled RA with Energy Settlement - Continued

Products: Bundled RA, Bundled RA with Energy Settlement

Eligible Counterparties: All Market Participants

Eligible Resources: Any new or existing resource that meets the minimum eligibility requirements of the RFO.

Details (per the Decisions):

- CPUC LSEs will receive credits for the system and flexible capacity procured by the CPE based on coincident peak load share.
- **Note:** CPUC LSEs can competitively offer a resource into the CPE's solicitation but indicate in their Competitive Offer that the associated Local RA attributes will be a Non-Compensated Self-Shown Commitment if the Competitive Offer is not selected (Default to Self-Shown Option).

Agreement Overview



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Document Conflicts Reminder

- This Agreement overview is intended to be a summary level discussion of the information and requirements established in the Agreement Forms (it does not include all of the detailed information in the Agreement Forms).
- To the extent that there are any inconsistencies between the information provided in this presentation and the requirements in the Agreement Forms, the Agreement Forms shall govern.
- PG&E CPE encourages participants to carefully review the applicable **Agreement Forms**.



Agreements General Overview

Agreement Types:

- Resource Adequacy Agreement for Owner of Existing Resource
- Resource Adequacy Agreement for Owner of New Resource
- Resource Adequacy Agreement for Non-Owner of Existing Resource
- Resource Adequacy Agreement for Non-Owner of New Resource
- Compensated Self-Shown Commitment Agreement

CPUC LSEs have the option to transact through under a PG&E CPE Local RA Confirmation Letter, which will be governed by a separate EEI Master Agreement with PG&E CPE.

Participants should carefully review the applicable agreement prior to submitting an Offer.

PG&E CPE has a strong preference for standardized Agreements.

RA Agreements



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RA Agreement Overview

Applicable to: New Resources, Existing Resources, and all market participants.

For Sellers offering to build and own a New Dispatchable¹ Project:

- **Product:** All Capacity Attributes that can be derived from the Operational Characteristics of the Project.
 - Local RA Attributes, System RA Attributes, Flexible RA Attributes, plus any future capacity characteristics or attributes that can be applied to Compliance Obligations.
- **Contracted Quantity:** Based on a percentage of Capacity Attributes that can be derived from the Operational Characteristics of the Project that are listed in Appendix III of the applicable Agreement. Contracted percentage is specified in the Agreement at execution and fixed for the Delivery Term.

For all other Sellers:

- **Product:** Capacity Attributes from the Project, including Local RA Attributes, System RA Attributes, Flexible RA Attributes.
- **Contracted Quantity:** A schedule of monthly Capacity Attribute values specified in the Agreement at execution and fixed for the Delivery Term.

¹ Dispatchable has the meaning set forth in the Qualifying Capacity Methodology Manual published by the CPUC



RA Agreements Overview

- **Delivery Term:** Seller must offer a Delivery Term of at least 1 month. The Delivery Term is static at the time of execution and will not change due to project delays.
- **Compensation:** Seller shall receive a Monthly Payment equal to:
 - Contract Price (\$kW-month) x Confirmed Quantity
- **Energy Settlement:** If Seller offers an Energy Settlement, Seller owes PG&E CPE the financial equivalent of the resource operating in the wholesale energy market.
 - If a Seller offers an Energy Settlement, the Seller shall receive a Monthly Payment equal to:
 - [Contract Price (\$kW-month) x Confirmed Quantity] – Energy Settlement
 - Appendix XV of each RA Agreement lists the Energy Settlement calculation options:
 - Option 1 – Energy Storage
 - Option 2 – Gas Fired
 - Option 3 – Fixed Generation Profile
 - Option 4 - Monthly Price Schedule



RA Agreement Overview

- **Events of Default:** Seller must deliver at least:
 - 80% of all Capacity Attributes from the Project over rolling 12 months
 - 85% of all Capacity Attributes from the Project over rolling 24 months
- **Scheduling Coordinator:** Seller, or a third party, is Scheduling Coordinator and retains CAISO revenues and is responsible for CAISO charges.
- **Compliance Showing Obligations:** Seller is obligated to take all actions to enable PG&E CPE to utilize the Product.

Compensated Self-Shown Commitment Agreement



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Compensated Self-Shown Commitment Agreement Overview

Applicable to: CPUC LSEs with preferred resources or energy storage resources that meet the requirements of the LCR RCM Decision.

- **Showing Commitment:** Commitment from a CPUC LSE to self-show local RA that is eligible for compensation consistent with the process outlined in the Decisions. The self-showing CPUC LSE will retain the System and, if applicable, Flexible RA Attributes of the self-shown resource.
- **Shown Term:** The Shown Term is static at the time of execution and will not change due to project delays. The Shown Term may begin no earlier than 1/1/2024 and end no later than 12/31/2026.



Compensated Self-Shown Commitment Agreement Overview

Applicable to: CPUC LSEs with preferred resources or energy storage resources that meet the requirements of the LCR RCM Decision.

- **Showing Quantity:** Schedule of monthly values, fixed at the time of execution.
 - Provided by the Participant in the applicable Appendix F – Self-Shown Commitment Form
- **Compensation:** Provider shall receive a Monthly Payment equal to:
 - Contract Price (\$kW-month) x Capacity Attributes from the Project submitted in Provider’s RA Plans
 - Contract Price is fixed at execution and offers cannot exceed the CPUC’s pre-determined price for the applicable local area*
 - Amount of Capacity Attributes from the Project submitted in Provider’s RA Plans are demonstrated by Provider’s Proof of Commitment
- **Scheduling Coordinator:** Provider, or a third party, is the Scheduling Coordinator and retains CAISO revenues and is responsible for CAISO charges

* The LCR RCM prices for the 2024 Compliance Year have not been published by the CPUC as of the date of the CPE’s launch of the solicitation.

CPE EEI Master Agreement and Local RA Confirmation Letter



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PG&E CPE EEI Master Agreement and PG&E CPE Collateral Annex

Applicable to: CPUC LSEs with an existing resource under contract.

- **PG&E CPE Master EEI Cover Sheet:** CPUC LSEs will be required to execute a new Master EEI Cover Sheet with PG&E CPE, separate and distinct from any existing Master EEI Cover Sheet that may be in place with PG&E Electric Procurement and Electric Fuels functions.
- **PG&E CPE Collateral Annex:** CPUC LSEs will be required to execute a new Collateral Annex with PG&E CPE, separate and distinct from any existing Collateral Annex that may be in place with PG&E Electric Procurement and Electric Fuels functions.
- Both the PG&E CPE Master EEI Cover Sheet and the PG&E CPE Collateral Annex must be in place before PG&E CPE can execute a PG&E CPE Confirmation Letter. CPUC LSEs who are interested in transacting through a PG&E Confirmation Letter are encouraged to contact CPESolicitations@pge.com in advance of the competitive offer deadlines to prevent any delay in executing a PG&E Confirmation Letter.



PG&E CPE Local RA Confirmation Letter

Applicable to: CPUC LSEs an existing resource under contract.

- **Delivery Period:** CPUC LSEs Seller may offer a Delivery Period of at least 1 month. The Delivery Period may begin no earlier than 1/1/2024 and end no later than 12/31/2026.
- **Product:** Local RA Attributes, System RA Attributes, Flexible RA Attributes.
- **Contracted Quantity:** A schedule of monthly Capacity values specified in the agreement at execution and fixed for the Delivery Term.
- **Compensation:** Provider shall receive a Monthly Payment equal to:
 - Contract Quantity x Contract Price x 1000 kW/MW

Credit/Collateral Requirements



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RA Agreement: Credit/Collateral Requirements

Credit/Collateral Requirements within the RA Agreements for CPUC LSEs within PG&E's Electric Distribution Service Area

Resource Type	Delivery Term	Credit Requirement
Existing Resources	Less than or equal to 60 months	Unsecured credit, no collateral requirements
	Greater than 60 months	Greater of \$40/kW or 10% of the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 36 consecutive month period during the Delivery Term
New Resources	Less than or equal to 60 months	<p>Project Development Security (PDS): \$80/kW (Within five days of execution)</p> <p>Delivery Term Security (DTS): N/A</p>
	Greater than 60 months	<p>Project Development Security (PDS): \$80/kW (Within five days of execution)</p> <p>Delivery Term Security (DTS): Greater of \$40/kW or 10% the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 36 consecutive month period during the Delivery Term</p>



RA Agreement: Credit/Collateral Requirements

Credit/Collateral Requirements within RA Agreements for All Other Entities

Resource Type	Delivery Term	Credit Requirement
Existing Resources	Less than or equal to 36 months	20% of the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 12 consecutive month period during the Delivery Term
	Greater than 36 months and less than or equal to 60 months	10% of the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 24 consecutive month period during the Delivery Term
	Greater than 60 months	Greater of \$40/kW or 10% the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 36 consecutive month period during the Delivery Term.
New Resources	Greater than or equal to 1 month	<p>Project Development Security (PDS): \$80/kW (Within five days of execution)</p> <p>Delivery Term Security (DTS): Greater of \$40/kW or 10% of the sum of the highest estimated monthly payments (excluding Energy Settlement) for any 36 consecutive month period during the Delivery Term</p>

Intermission



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Q&A



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Self-Shown Attestation Overview



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Self-Shown Attestation Overview

- Per OP 2 of RA OIR Phase Decision, CPUC LSEs that elect to self-show a local resource to the CPE must execute an attestation that provides that:
 - The LSE has the capacity rights to the RA resource for the period it is self-showing;
 - The LSE intends to self-show the RA resource on annual and monthly RA plans to satisfy its system and/or flexible RA needs; and
 - If applicable, the resource that the LSE intends to self-show for compensation under the Local Capacity Requirement Reduction Compensation Mechanism (LCR RCM) meets the eligibility requirements pursuant to Decision 20-12-006.
- This attestation requirement replaces the previous requirement in the LCR RCM Decision that a self-shown resource must be documented on an executed agreement.
- An executed Self-Shown Attestation is required for all Self-Shown Commitments submitted as part of the 2023 CPE Local RA RFO.
 - Self-Shown Attestations associated with Compensated Self-Shown Commitments will be null and void if a corresponding Compensated Self-Shown Agreement is not executed between the Participant and PG&E CPE.
 - Self-Shown Attestations associated with Competitive Offers that elect the Default to Self-Shown Option will be null and void if an agreement associated with the same Competitive Offer is executed between the Participant and PG&E CPE.

Commitment Form Overview & Instructions



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Commitment Form General Overview

Commitment Form Types:

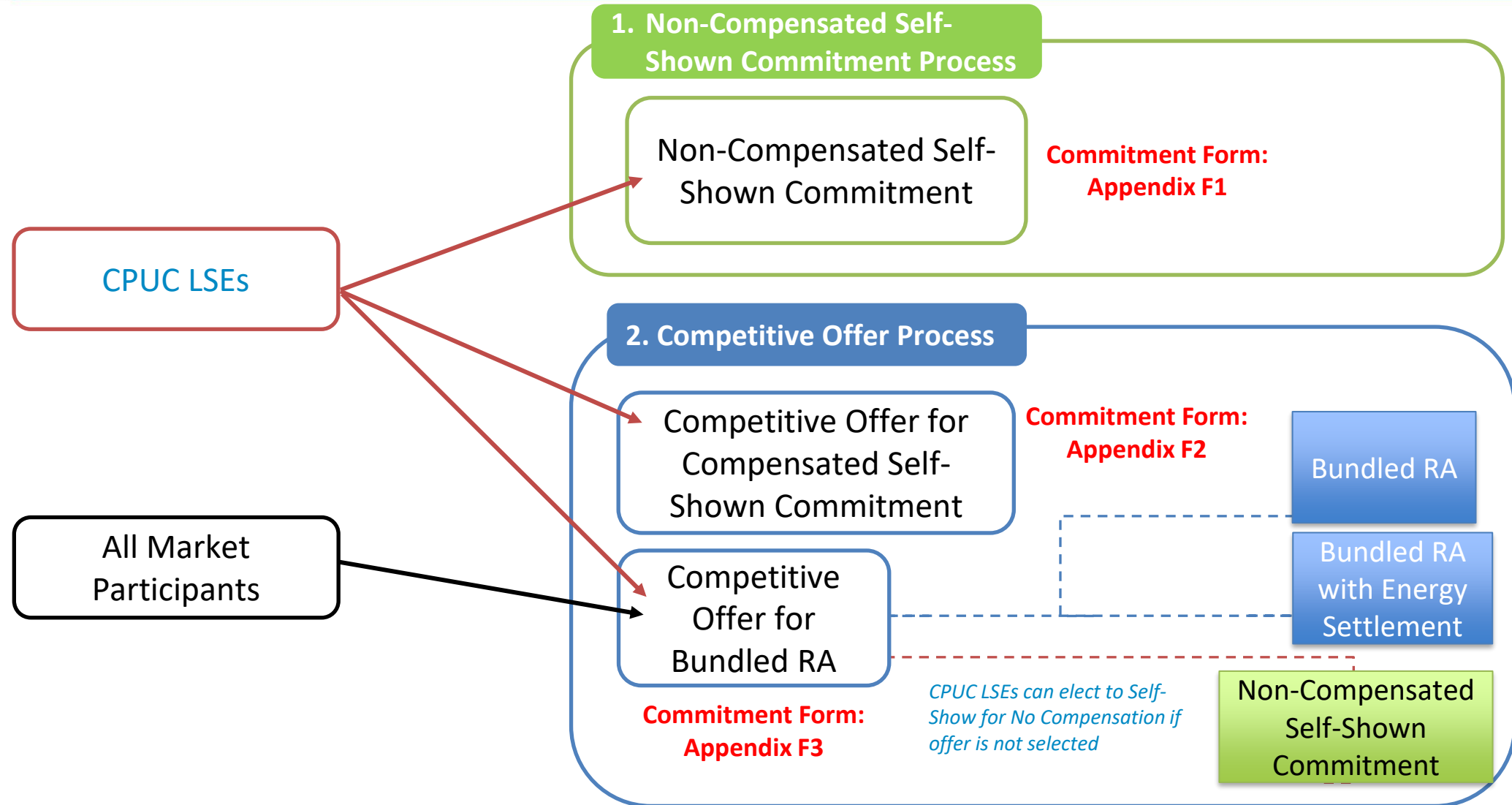
- Non-Compensated Self-Shown Commitment Form
- Compensated Self-Shown Commitment Form
- Default to Self-Shown Commitment Form

Each Commitment Form includes three tabs:

1. Instructions/Instructions & Acknowledgements
2. Attestation
3. Self-Shown Resource(s)



Step 1: Downloading and Selecting a Commitment Form





Step 2: Fill Out Requested Fields in Instructions Tab

Non-Compensated Self-Shown Commitment Form

ACKNOWLEDGEMENTS	
• Acknowledgement of Protocol	
By selecting "Yes" Participant hereby agrees to the terms of the Solicitation Protocol, including but not limited to the terms of Section V, entitled "Confidentiality Agreement."	
Title	
Electronic Signature	
Select "Yes" to certify that the typed name acts as your electronic signature.	
• Participant Authorization	
By selecting "Yes" Participant's signatory hereby confirms that it is "a duly authorized representative of Participant."	
Title	
Electronic Signature	
Select "Yes" to certify that the typed name acts as your electronic signature.	

Compensated Self-Shown Commitment Form & Default to Self-Shown Commitment Form

Offer ID:	
In the Offer ID field above, enter the file name generated by the Offer Form associated with this Compensated Self-Shown Commitment located on the File_Name worksheet of the Offer Form.	



Step 3: Fill Out Attestation Tab

On the Attestation tab, please read and review the language carefully and enter the requested LSE information where appropriate.

LSE Information

Load Serving Entity Name:

Attested by Authorized LSE Representative (Name):	
Certifying Representative's E-mail:	
Title:	
Date:	
LSE Scheduling Coordinator ID	

Contact Person for Questions about this Attestation

Name:	
Title:	
Address:	
Address 2:	
City:	
State:	
Zip:	
Telephone:	
Email:	



Step 3: Fill Out Self-Shown Resource(s) Tab

On the Self-Shown Resource(s) tab, please enter the project specific information, as well as the Capacity Amount (measured in MW) the LSE is self-showing to the CPE.

Project Specific Information

CAISO Resource ID	Resource Name	Resource Scheduling Coordinator Name	Resource Scheduling Coordinator ID	Local Area (drop down)

Capacity Amounts

RA Capacity Amounts (MW)													
Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25

Non-Compensated Self-Shown Commitment Form

CPUC LSEs must enter all Non-Compensated Self-Shown Commitments in the Self-Shown Resources tab, but may only submit one Non-Compensated Self-Shown Commitment per resource.

Compensated Self-Shown Commitment Form

CPUC LSEs must submit a single Compensated Self-Shown Commitment Form for each Compensated Self-Shown Commitment competitively offered to the CPE.

Default to Self-Shown Commitment Form

CPUC LSEs must submit a single Default to Self-Shown Commitment Form for each Competitive Offer for which it elects the Default to Self-Shown Option.



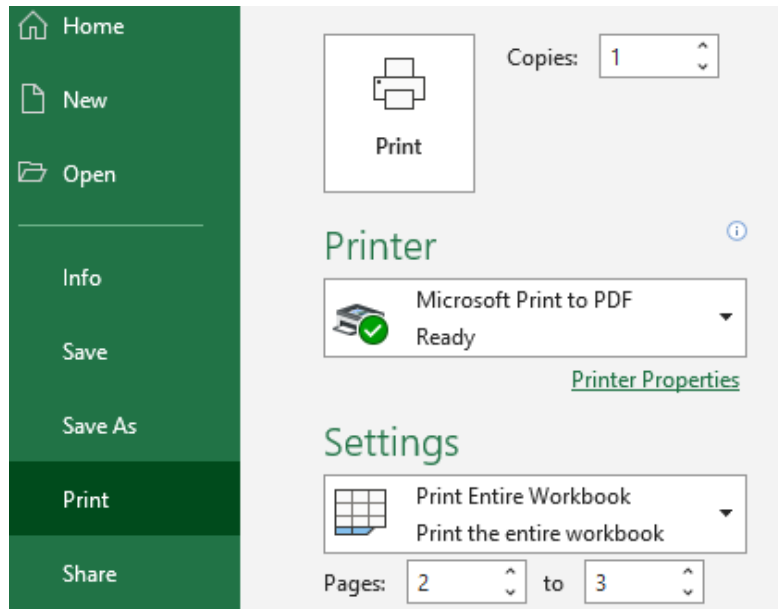
Step 4: Commitment Form & Self-Shown Attestation Submittal

Submit the completed electronic version of the applicable Commitment Form in its entirety via PowerAdvocate.

In addition, submit a PDF version of both the Attestation tab and the Self-Shown Resource(s) tab in a single PDF document (collectively, the “Self-Shown Attestation”). The LSE must physically or electronically sign the PDF.

Participants will need to ensure that the Self-Shown Attestation is 1) completely and accurately filled out, 2) includes the signature by its respective authorized representative, and 3) complies with all the instructions for submission as detailed in the applicable Commitment Form.

Generating Self-Shown Attestation



Print to PDF

Select only relevant tabs/pages

Commitment or Competitive Offer Submittal



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Non-Compensated Self-Shown Commitment Submittal Documents

Documents due at Non-Compensated Self-Shown Commitment Submittal:

- Appendix F1: Non-Compensated Self-Shown Commitment Form
- Self-Shown Attestation



Competitive Offer Submittal Documents

Documents due at Competitive Offer Submittal

- Appendix A1 or A2: Offer Form
 - A1– Offer Form – Compensated Self-Shown Commitment
 - A2– Offer Form – Bundled RA & Bundled RA with Energy Settlement
- Appendix B1: Supplemental Local Resource Information
- Appendix B2: Supplemental Counterparty Financial Information
- Appendix C: FERC Order 717 Waiver
- Appendix D: Confidentiality Agreement
- Appendix E1, E2, E3, E4, or E5
 - E1 – Compensated Self-Shown Commitment
 - E2 – RA Agreement for Owner of Existing Resource
 - E3 – RA Agreement for Owner of New Resource
 - E4 – RA Agreement for Non-Owner of Existing Resource
 - E5 – RA Agreement for Non-Owner of New Resource



Competitive Offer Submittal Documents

Documents due at Competitive Offer Submittal Continued:

- Appendix F2 or F3
 - F2 – Compensated Self-Shown Commitment Form
 - F3 – Default to Self-Shown Commitment Form
- Self-Shown Attestation
- Map of Local Resource Facilities (New Resources Only)

If a Participant is submitting multiple Competitive Offers in this RFO, the following documents only need to be submitted once via PowerAdvocate

- Appendix B2 – Supplemental Counterparty Financial Information
- Appendix C – FERC 717 Waiver
- Appendix D – Confidentiality Agreement



Power Advocate

- Power Advocate is a third-party online platform utilized by PG&E CPE to receive Self-Shown Commitment and Offer submittals.
- There will be three Power Advocate events. Please ensure you register for and upload documents to correct event.

Offer Type	Power Advocate Links	Event ID
Non-Compensated Self-Shown Commitment(s) from all CPUC LSEs	https://www.poweradvocate.com/pR.do?okey=139879&pubEvent=true	139879
Competitive Offer(s) from PG&E Participant	https://www.poweradvocate.com/pR.do?okey=139877&pubEvent=true	139877
Competitive Offer(s) from All Non-PG&E Participants	https://www.poweradvocate.com/pR.do?okey=139873&pubEvent=true	139873

- Power Advocate instructions are available on PG&E CPE’s 2023 RFO website. Additional instructions on submitting RFO documents via Power Advocate can be found in PG&E CPE’s Solicitation Protocol.



Commitment & Offer Submittal Reminders

- The data input in the applicable Appendix A (Offer Form) or Appendix F (Commitment Form) may result in terms with contractual implications.
- Competitive Offers and Non-Compensated Self-Shown Commitments shall not be made contingent upon the execution of any Agreement related to any other Competitive Offer or the acceptance of any other Non-Compensated Self-Shown Commitment.
- Commitment Package or Offer Package must be complete at time of submission
- No variations are allowed for Participants submitting Non-Compensated Self-Shown Commitments or Competitive Offers for Compensated Self-Shown Commitments
- Participants submitting Competitive Offers for Bundled RA or Bundled RA with Energy Settlement may submit up to five (5) mutually exclusive Competitive Offer variations.
- Participants are only allowed to submit one version of proposed markups for each applicable Agreement



Communications and Website

- PG&E CPE's 2023 Local RA RFO website at [Resource Adequacy Central Procurement - 2023 Solicitation \(pge.com\)](#) provides everything you need to submit a Self-Shown Commitment or Offer, including (but not limited to) the following:
 - RFO Documents
 - RFO Schedule
 - Agreement Forms
 - Offer Forms
 - Self-Shown Commitment Forms
- All solicitation communications should be directed to: CPEsolicitations@pge.com with a copy to the Independent Evaluator at MerrimackIE@merrimackenergy.com

Thank you



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APPENDIX



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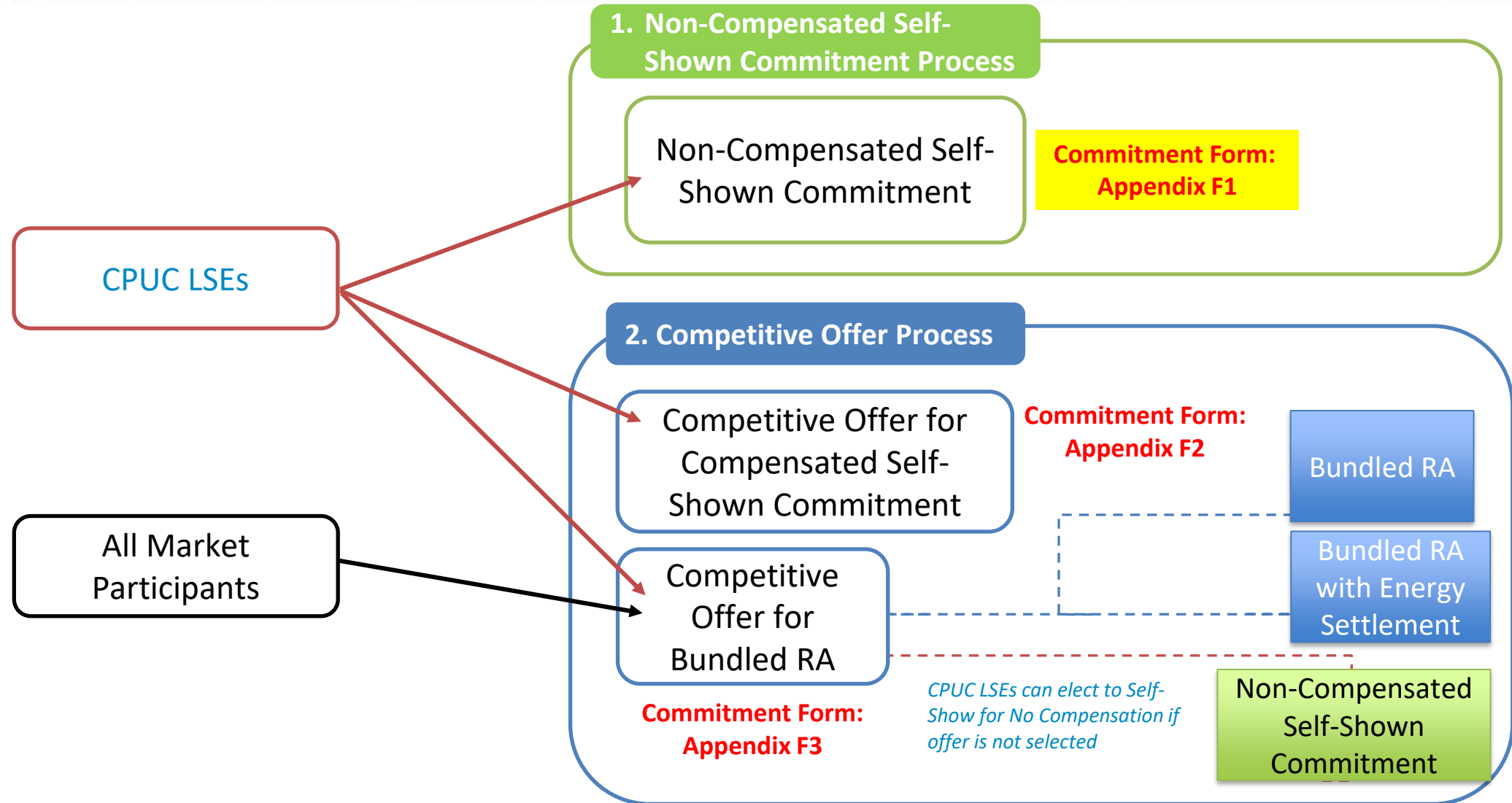
Appendix A1: Offer Form - Compensated Self-Shown Commitment



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Appendix A1: Offer Form - Compensated Self-Shown Commitment (CPUC LSEs) Step 1: Downloading and Selecting a Commitment Form

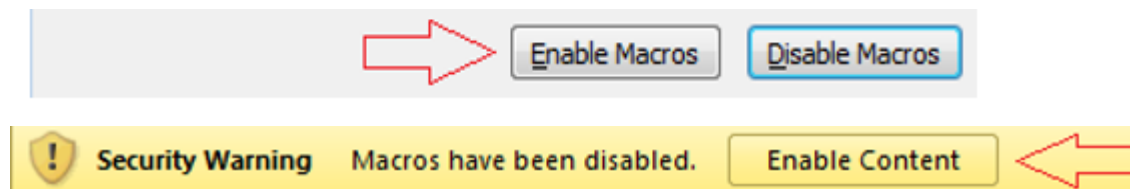


Step 1 – Downloading and Selecting an Offer Form

- Download offer forms from the 2023 CPE Local RA RFO website at [Resource Adequacy Central Procurement - 2023 Solicitation \(pge.com\)](#)
- Under the “**CPE Local RA RFO Solicitation Protocol and Appendices**” heading the download links to the forms can be found as pictured here:

- [Appendix A1 – Offer Form - Compensated Self-Shown Commitment](#) (XLSB, 488.4 KB)
- [Appendix A2 – Offer Form - Bundled RA & Bundled RA with Energy Settlement](#) (XLSB, 957.9 KB)

- When an offer form link on the webpage is clicked, the form will download to your computer as an Excel workbook
- **PLEASE NOTE:** The offer forms include many features that are macro driven. You must enable macros or the forms will not function correctly. Here are typical macro enabling prompts you may see.





Step 2 – Initial Input Screen

Appendix A1: Setup Initial Offer Screen

1. Participant selects Resource and Technology Type
2. Participant indicates whether resource is New or Existing per the Solicitation Protocol definition
3. Once all choices are made, click the “Create Offer” button

Choose Your Offer Type

Pacific Gas and Electric Company®
2023 CPE Local RA RFO
Version 2022.0.0

Setup Initial Offer

Select Resources: (NA or No for none)

Storage Resource [dropdown] **1**

Non-Hydro Renewables Resource [dropdown]

DR Resource [dropdown]

Hydro Resource [dropdown]

RA Project New or Existing

New **2**

Existing

After making these choices, the form will be locked and they cannot be changed. If you want to change the basic parameters of the Agreement you will need to start with a new copy of the Offer Form.

Create Offer **3** Cancel

over, if for some reason it is not refreshed automatically, please press **F5** to refresh

Step 3 – Review Instructions Worksheet

- In response to the click of the “Create Offer” button the form’s instruction tab “Instructions” tab will be displayed. Please review the instructions carefully prior to proceeding



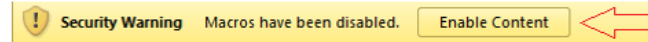
Instructions for Appendix A: 2023 CPE Local RA RFO
Version 2023.1.1

ENABLE MACROS - OTHERWISE THIS WORKBOOK WILL NOT FUNCTION PROPERLY.

Macros can be enabled by clicking the "Enable Macros" button on the "Microsoft Excel Security Notice" that is displayed before the form opens...



...or by clicking the "Enable Content" button that is sometimes displayed at the top of the screen when the form first opens.



Unless otherwise provided herein, all capitalized terms shall have the meaning ascribed to them in 2023 CPE Local RA RFO dated March 21, 2023 or the applicable Agreement.

Important Notes

- Follow the instructions on the "File Name" tab explicitly. This offer form will not be accepted if the steps outlined on that tab have not been followed!
- Please submit this file in **Microsoft Excel**. Other versions will not be accepted.
- Please save often.
- Do not copy-and-paste into this workbook from past offer forms as that can confound the operation of macros in this workbook.
- The workbook is set to recalculate automatically; however, if for some reason it is not refreshed automatically, please press **F9** to refresh.
- Please close all other Excel files while using this workbook to prevent its macros from producing unwanted interactions across open workbooks.
- Every cell with an orange background must be filled in. As you fill these fields in, the orange background will disappear. Check that all entry fields are green.
- If a cell has a white background then you cannot enter data.
- If you encounter any digital or disability access issues or would like to provide PG&E with feedback or suggestions, please e-mail our ADA Support Team at ADAsupport@pge.com. The mailbox is monitored during regular business hours (M-F; 8am-5pm). We will respond to your inquiry within 1 business day.

- Once you have reviewed the Instructions tab, proceed to the “OfferInfo” tab





Appendix A1: Offer Form - Compensated Self-Shown Commitment (CPUC LSEs)

Step 4 – Fill Out OfferInfo Worksheet Completely

Participant should populate all orange highlighted cells

Agreement Type Section

AGREEMENT TYPE	
Agreement Type	Compensated Self-Shown Commitment
Will project include any Storage component?	Lithium Ion (Li Ion) Batteries
Will project include any Renewables component?	NA
Will project include any Hydro component?	NA
Will project include any DR component?	NA
New or Existing RA Project?	New
Counterparty Type	CPUC Jurisdictional Load Serving Entity
Is this resource in front of the meter or behind the meter?	Front of the Meter
Project Name	
Project Site Name	
Project Street Address	
Project City	
Project State	
Project Zip	
Project County	
Project Latitude	
Project Longitude	
CAISO Resource ID (if available)	RESOURCE_1_UNIT1
Project Owner	

Information is automatically populated using the details submitted on the Setup Initial Offer screen

- These cells are locked

Participant must indicate whether resource is in front or behind the meter

Orange highlighted cells turn green when a required data field is populated



Appendix A1: Offer Form - Compensated Self-Shown Commitment (CPUC LSEs)

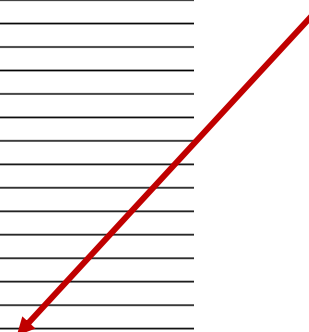
Step 4 – Fill Out OfferInfo Worksheet Completely

Participant Information Section

PARTICIPANT INFORMATION	
Is the Participant a CPUC Jurisdictional LSE serving load in PG&E's Service Territory?	(This field uses a picklist)
Has Participant ever executed an agreement with PG&E for wholesale energy, ancillary services, Resource Adequacy, and/or renewable energy certificates?	(This field uses a picklist)
Counterparty/Legal Entity: Name	<--- Enter same name as will appear on the contract
Street Address	
City	
State	(This field uses a picklist)
Zip Code	
Country	
Website URL	
Authorized Contact #1: First Name	
Last Name	
Title	
Phone 1	
Phone 2	
Email	
Authorized Contact #2: First Name	
Last Name	
Title	
Phone 1	
Phone 2	
Email	
Developer/Legal Entity: Name	
Street Address	
City	
State	(This field uses a picklist)
Zip Code	
Country	
Counterparty/Provider Information	
Name of Owner 1	
Ownership %	(Enter whole number 1-100)
Website URL	
Name of Owner 2	
Ownership %	(Enter whole number 1-100) as applicable
Website URL	
Name of Owner 3	
Ownership %	(Enter whole number 1-100) as applicable
Website URL	
Ownership Notes	
Total Ownership Percent	0%

Participant Information section asks for counterparty, developer, and ownership contact information

Comments are in column S (e.g., data field units to use or if the data field has a user picklist)





Appendix A1: Offer Form - Compensated Self-Shown Commitment (CPUC LSEs)

Step 4 – Fill Out OfferInfo Worksheet Completely

Transaction Section

TRANSACTION (Capacity Attributes of Product as of Execution Date)	
Shown Term Details	
Initial Shown Date	2023-Jan
Shown Term	36
Contract Price Details (\$/kw-month)	
Calendar Year 2023	
Calendar Year 2024	
Calendar Year 2025	

Participant should identify the Initial Shown Date and the Shown Term of their Offer (both data fields use a picklist).

Enter the Contract Price (\$/kw-month) for each calendar year of the Shown Term

Per CPUC Decision D.20-12-006, Competitive Offers for Compensated Self-Shown Local RA will have their compensation capped at a pre-determined local price. See Solicitation Protocol and RFO website for more information.

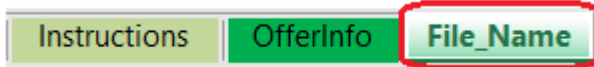
- Participant may submit a Competitive Offer with a Contract Price at or below the pre-determined local price for the Local Area of the offered Project




Appendix A1: Offer Form - Compensated Self-Shown Commitment (CPUC LSEs)

Step 5 – Saving and Submitting An Offer

When the Offer has been fully populated proceed to the “File Name” tab




Click the  button

This offer form will not be accepted if the steps outlined below have not been followed!

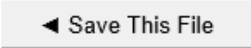
A new File Name must be generated via the steps below for each offer submitted. If submitting multiple offers, please repeat these steps for each offer submitted.

These steps will create a unique, correctly formatted name that must be given to this offer form file before it is submitted. If you are submitting multiple offers and you employing “Save As” on a form you previously populated to create a new offer it is essential that a new/different file name be generated for each additional offer you create.

When you are ready to submit this form...

1) Click this button ► 

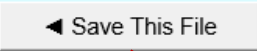
2) This text ▼ is the required name for this file. Click the Save File button to complete.




3) Once you have named this offer form via the steps above and submitted this form to PG&E keep it unchanged in a secure location where you can refer to it should PG&E have questions. If a PG&E representative contacts you regarding this offer form they will reference the file name.

These instructions must be exercised just prior to actual submission of the form. The file name composed above must be created after you have finalized the rest of the form.

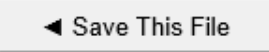
Step 5 – Saving and Submitting an Offer

The file name field will populate. Click the  button

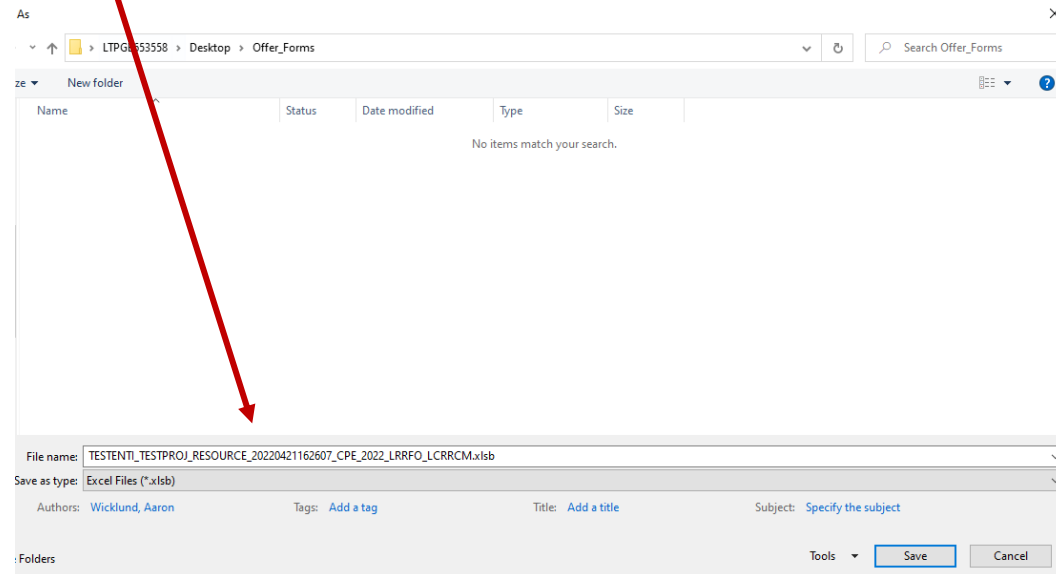
When you are ready to submit this form...

- 1) Click this button 
- 2) This text ▼ is the required name for this file. Click the Save File button to complete.

TESTENTI_TESTPROJ_RESOURCE_20220421162607_CPE_2022_LRRFO_LCRRCM


- 3) Once you have named this offer form via the steps above and submitted this form to PG&E keep it unchanged in a secure location where you can refer to it should PG&E have questions. If a PG&E representative contacts you regarding this offer form they will reference the file name.

The generated file name will be displayed in a file “Save As” panel. Navigate to the location where you wish to save the file. Do not change the file name. The name of the file must be the same as the name in the field on the “File Name” tab when the form is submitted. Click “Save”



Appendix A2: Offer Form – Bundled RA & Bundled RA with Energy Settlement

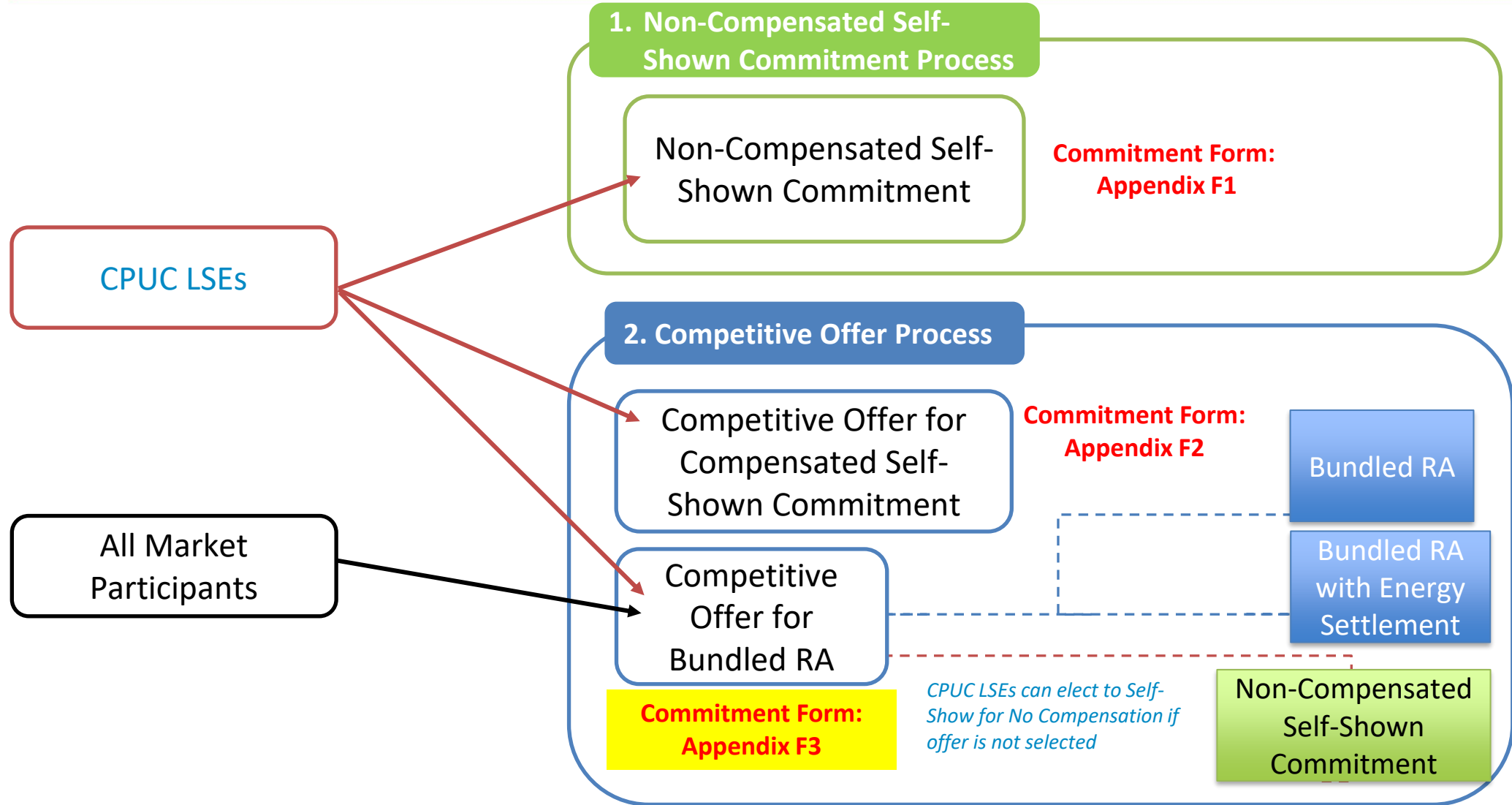


Together, Building
a Better California



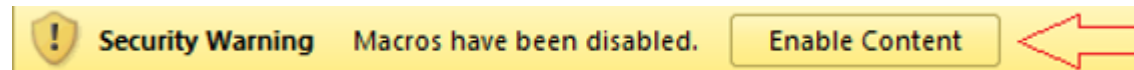
Appendix A2: Offer Form - Bundled RA and Bundled RA with Energy Settlement

Step 1: Downloading and Selecting a Commitment Form



Step 1 – Downloading and Selecting an Offer Form

- Download offer forms from the 2023 CPE Local RA RFO website at [Resource Adequacy Central Procurement - 2023 Solicitation \(pge.com\)](#)
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- **PLEASE NOTE:** The offer forms include many features that are macro driven. You must enable macros or the forms will not function correctly. Here are typical macro enabling prompts you may see.





Step 2 – Initial Input Screen

Appendix A1: Setup Initial Offer Screen

1. Participant selects Resource and Technology Type
2. Participant fills out the remaining requested information using picklists:
 - Are they the Owner of the Project
 - What type of entity are they
 - Whether the Project is New or Existing per the Solicitation Protocol definition
 - Is the Project dispatchable
 - CPUC Jurisdictional LSEs will be asked if they are electing the Default to Self-Shown Option for their Offer
3. Once all choices are made, click the “Create Offer” button

Choose Your Offer Type

Pacific Gas and Electric Company®
2023 CPE Local RA RFO
Version 2022.1.0

Setup Initial Offer

PG&E CPE Preferred Delivery Terms:

- PG&E CPE has a preference for Delivery Terms of 1 - 60 months.
- For New resources where seller is the owner of the resource, PG&E CPE may prefer a Delivery Term of 10 years or 15 years in order to incentivize the development of new local resources.

Select Resources: (NA or No for none) **1**

Storage Resource	<input type="text"/>
Non-Hydro Renewable Resource	<input type="text"/>
Gas Fired Resource	<input type="text"/>
DR Resource	<input type="text"/>
Hydro Resource	<input type="text"/>

Bundled RA Choices **2**

Owner of RA Project?	<input type="text"/>
Participating Entity Type	<input type="text"/>
RA Project New or Existing?	<input type="text"/>
Is the RA Project being offered a dispatchable resource (as described in the Qualifying Capacity Methodology Manual published by the CPUC)?	<input type="text"/>

3

After making these choices, the form will be locked and they cannot be changed. If you want to change the basic parameters of the Agreement you will need to start with a new copy of the Offer Form.

Step 3 – Review Instructions Worksheet

- In response to the click of the “Create Offer” button the form’s instruction tab “Instructions” tab will be displayed. Please review the instructions carefully prior to proceeding



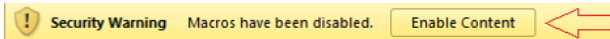
Instructions for Appendix A: 2023 CPE Local RA RFO
Version 2023.1.1

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- The workbook is set to recalculate automatically; however, if for some reason it is not refreshed automatically, please press **F9** to refresh.
- Please close all other Excel files while using this workbook to prevent its macros from producing unwanted interactions across open workbooks.
- Every cell with an orange background must be filled in. As you fill these fields in, the orange background will disappear. Check that all entry fields are green.
- If a cell has a white background then you cannot enter data.
- If you encounter any digital or disability access issues or would like to provide PG&E with feedback or suggestions, please e-mail our ADA Support Team at ADAsupport@pge.com. The mailbox is monitored during regular business hours (M-F; 8am-5pm). We will respond to your inquiry within 1 business day.

- Once you have reviewed the Instructions tab, proceed to the “OfferInfo” tab





Step 3 – Fill Out OfferInfo Worksheet Completely

Participant should populate all orange highlighted cells

Agreement Type Section

AGREEMENT TYPE	
Use This Variant?	Yes
Agreement Type	Resource Adequacy
Will project include any Storage component?	Lithium Ion (Li Ion) Batteries
Will project include any Renewables component?	Biomass
Will project include any Gas component?	Gas Turbine
Will project include any Hydro component?	Yes
Will project include any DR component?	Yes
New or Existing RA Project?	New
Counterparty Type	Other
Are you the Owner of the offered resource?	Yes
Is the resource dispatchable?	Yes
Contract Structure	Percent
Is this resource in front of the meter or behind the meter?	
Project Name	
Project Site Name	
Project Street Address	
Project City	
Project State	
Project Zip	
Project County	
CAISO Resource ID (if available)	RESOURCE_1_UNIT1

Participant can use picklist to indicate if the variant should be considered by the PG&E CPE

- Any variant with a “No” response will be ignored when the Offer Form is submitted to PG&E CPE for review

Information is automatically populated using the details submitted on the Setup Initial Offer screen

- These cells are locked

Participant must indicate whether resource is in front or behind the meter

Orange back-grounds turn green when a required field is populated



Step 3 – Fill Out OfferInfo Worksheet Completely

The remainder of Step 3 and all of Step 4 will be split into two sections depending on the Contract Structure

- See row 20 of the “OfferInfo” worksheet of the Participant’s Offer Form to determine the Contract Structure
 - Note, the Contract Structure is determined by the inputs the Participant provided on the Setup Initial Offer screen

Contract Structure

Percent

Contract Structure

Fixed



Appendix A2: Offer Form - Bundled RA and Bundled RA with Energy Settlement

Step 3 – Fill Out OfferInfo Worksheet Completely

Transaction Section – Contract Structure: Percent

TRANSACTION (Capacity Attributes of Product as of Execution Date)	
NQC Data Source	
RA Attributes	
JAN (RA)	
FEB (RA)	
MAR (RA)	
APR (RA)	
MAY (RA)	
JUN (RA)	
JUL (RA)	
AUG (RA)	
SEP (RA)	
OCT (RA)	
NOV (RA)	
DEC (RA)	
Flex RA Attributes	
JAN (Flex)	
FEB (Flex)	
MAR (Flex)	
APR (Flex)	
MAY (Flex)	
JUN (Flex)	
JUL (Flex)	
AUG (Flex)	
SEP (Flex)	
OCT (Flex)	
NOV (Flex)	
DEC (Flex)	
Contract Quantity Details	
Contracted Quantity	

- Select the data source of the NQC values using the picklist
- Enter the NQC value for each month
- If the resource has Flex RA Attributes, enter the EFC value for each month
 - Enter “0” if none
- Enter the Contracted Quantity as a percentage (e.g., “100%”)



Appendix A2: Offer Form - Bundled RA and Bundled RA with Energy Settlement

Step 3 – Fill Out OfferInfo Worksheet Completely

Resource Adequacy Section (Part A) – Contract Structure: Percent

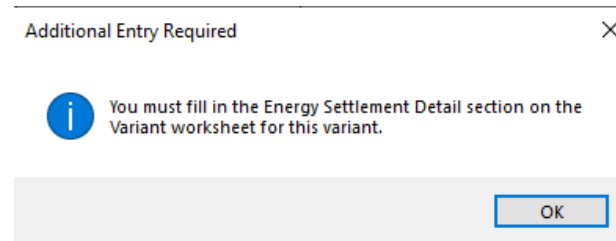
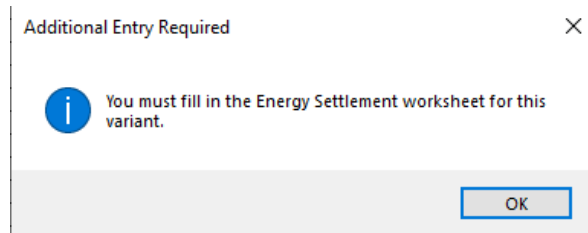
RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	

Select the Offer's Energy Settlement option (choose "NA" if none)

Note: Existing Resources Initial Delivery Date must fall between Jan 2024 through Dec 2026.

New Build Resources Initial Delivery Date must fall between Jan 2024 through Dec 2028

Reminder, orange highlighted cells indicate the Participant shall enter the information requested



Depending on the Energy Settlement option selected, a message will display notifying Participants which worksheet needs to be populated with the Energy Settlement details

- Energy Settlement will be covered in Step 5


Resource Adequacy Section (Part B) – Contract Structure: Percent

- Enter the Offer’s Initial Delivery Date and Delivery Term

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	

- For the purposes of this presentation, assume the Participant selects “No” on the Additional Tab Entry Required message box shown below

Additional Tab Entry Required ×

 You must enter Price information on tab:
Var_A
Volumes are autopopulated based on the Contracted Quantity percentage of the Capacity Attributes entered on the OfferInfo tab.


Do you wish to go there now?



Operational Characteristics – Contract Structure: Percent

Energy Storage - OPERATIONAL CHARACTERISTICS		
Discharging and Charging		
Maximum continuous discharge power (Dmax)		MW
Minimum continuous discharge power (Dmin)		MW
Maximum discharge duration at constant Dmax		hours
Maximum continuous charge power (Cmax)		MW (Please insert negative value)
Minimum continuous charge power (Cmin)		MW (Please insert zero or negative value)
Maximum charge duration at constant Cmax		hours
Amount of Energy released to fully discharge		MWh (normal operating cycle)
Amount of Energy required to fully charge		MWh (normal operating cycle)
Round-trip efficiency		%

Comments are in column S (e.g., data field units to use or if the data field has a user picklist)



Energy Storage - Operational Characteristics are shown as an example.

The Operational Characteristics fields that appear within the Offer Form are based on the technology type of the Project entered by the Participant on the Initial Input Screen.



Step 3 – Fill Out OfferInfo Worksheet Completely

Additional Variants (Optional) – Contract Structure: Percent

- Participants submitting a Bundled RA and Bundled RA with Energy Settlement Offer Form may submit up to five (5) mutually exclusive Offer variations
- Variations are allowed for the following terms:
 - Energy Settlement
 - Initial Delivery Date
 - Delivery Term
 - Contract Price
 - Contracted Quantity

2022 CPE Local RA RFO

Version 2022.1.0

Add Variant

Offer ID: Will auto-populate when file name created

Var_A

To add a variant, scroll to the top of the OfferInfo worksheet and select “Add Variant”

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	Option 1 - Energy Storage
Initial Delivery Date (IDD)	2023-Jan
Delivery Term (In Months)	36

A new variant will display in a column to the right of the most recent variant



Step 3 – Fill Out OfferInfo Worksheet Completely

Transaction Section – Contract Structure: Fixed

TRANSACTION (Capacity Attributes of Product as of Execution Date)	
NQC Data Source	
RA Attributes	
JAN (RA)	
FEB (RA)	
MAR (RA)	
APR (RA)	
MAY (RA)	
JUN (RA)	
JUL (RA)	
AUG (RA)	
SEP (RA)	
OCT (RA)	
NOV (RA)	
DEC (RA)	
Flex RA Attributes	
JAN (Flex)	
FEB (Flex)	
MAR (Flex)	
APR (Flex)	
MAY (Flex)	
JUN (Flex)	
JUL (Flex)	
AUG (Flex)	
SEP (Flex)	
OCT (Flex)	
NOV (Flex)	
DEC (Flex)	

← Select the data source of the NQC values using the picklist

← Enter the NQC value for each month

← If the resource has Flex RA Attributes, enter the EFC value for each month

- Enter "0" if none



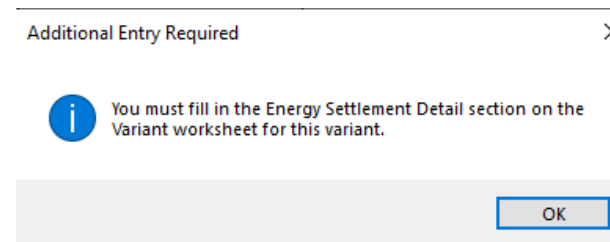
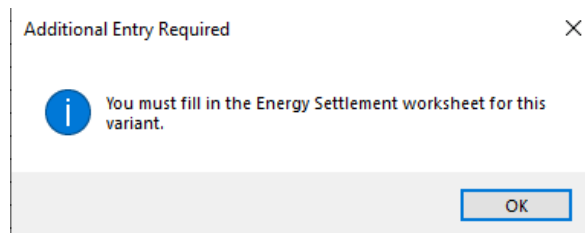
Step 3 – Fill Out OfferInfo Worksheet Completely

Resource Adequacy Section (Part A) – Contract Structure: Fixed

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	

Select the Offer's Energy Settlement option (choose "NA" if none)

Reminder, orange highlighted cells indicate the Participant shall enter the information requested



Depending on the Energy Settlement option selected, a message will display notifying Participants which worksheet needs to be populated with the Energy Settlement details

- Energy Settlement will be covered in Step 5


Resource Adequacy Section (Part B) – Contract Structure: Fixed

- Enter the Offer’s Initial Delivery Date and Delivery Term

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	

- For the purposes of this presentation, assume the Participant selects “No” on the Additional Tab Entry Required message box shown below

Additional Tab Entry Required ✕

 You must enter Price and Qty information on tab:
Var_A

Do you wish to go there now?



Step 3 – Fill Out OfferInfo Worksheet Completely

Additional Variants (Optional) – Contract Structure: Fixed

- Participants submitting a Bundled RA and Bundled RA with Energy Settlement Offer Form may submit up to five (5) mutually exclusive Offer variations
- Variations are allowed for the following terms (orange highlighted cells):
 - Energy Settlement
 - Initial Delivery Date
 - Delivery Term
 - Contract Price
 - Contracted Quantity

2022 CPE Local RA RFO
Version 2022.1.0

Offer ID:

Var_A

Add Variant

To add a variant, scroll to the top of the OfferInfo worksheet and select “Add Variant”

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	Option 1 - Energy Storage
Initial Delivery Date (IDD)	2023-Jan
Delivery Term (In Months)	36

A new variant will display in a column to the right of the most recent variant



Step 4 – Fill Out Variant Worksheet Completely

Variant Worksheet – Contract Structure: Percent

- Each variant will have its own individual worksheet (“Var_X”) where the Participant can review/enter the price and quantity of attributes being Offered



- The Participant should enter their Offer’s (1) Contract Price for each calendar year of the Delivery Term
- Participants should review the (2) Payment Quantity/Contracted Quantity of RA Attributes and Contracted Quantity of Flex RA Attributes (these values are auto calculated using the Contracted Quantity percent entered on the “OfferInfo” worksheet)

Variant		Contract Price (\$/kw-month)	Contract Price (\$/kw-month)	Contract Price (\$/kw-month)
A		2023	2024	2025
Contract Month	Payment Quantity / Contracted Quantity of RA Attributes (MW)	Contracted Quantity of Flex RA Attributes (MW)		
2023-Jan	20.00	10.00		
2023-Feb	20.00	10.00		
2023-Mar	20.00	10.00		



Step 4 – Fill Out Variant Worksheet Completely

Variant Worksheet – Contract Structure: Fixed

- Each variant will have its own individual worksheet (“Var_X”) where the Participant can enter the price and quantity of attributes being Offered



- The Participant should enter their Offer’s (1) Contract Price and (2) Contracted Quantity of RA and Flex Attributes

Contract Price (\$/kw-month)	Contract Price (\$/kw-month)	Contract Price (\$/kw-month)
2023	2024	2025

Contract Month	Contracted Quantity: RA (MW)	Contracted Quantity: Flex (MW)
2023-Jan		
2023-Feb		
2023-Mar		



Step 5 – Energy Settlement

Agreement Type Section

- Resources being Offered in Appendix A2 can select an Energy Settlement option using the built-in picklist on the “OfferInfo” worksheet
 - The Energy Settlement options available will be based on the technology type provided on the Setup Initial Offer screen

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	

- Depending on the Energy Settlement option selected, users will be prompted with a message indicating which worksheet to enter the Energy Settlement details on
 - Energy Settlement Options 1, 2, and 3 are on a separate “Energy Settlement” worksheet in the Offer Form (e.g., “Energy Settlement Var_A” worksheet)



- Energy Settlement Option 4 details can be entered in the Energy Settlement Details (columns I – K) section of the variant’s worksheet (e.g., Var_A worksheet)



- After selecting the Energy Settlement option on the “OfferInfo” worksheet, enter the Initial Delivery Date and Delivery Term prior to entering details about the Energy Settlement

RESOURCE ADEQUACY AGREEMENT	
Energy Settlement?	
Initial Delivery Date (IDD)	
Delivery Term (In Months)	



Step 5 – Energy Settlement

Energy Storage Energy Settlement (Option 1)

- If the Participant selects the Energy Storage Energy Settlement option, they must input on the “Energy Settlement Var_X” worksheet the offered Variable O&M, Duration, and Round Trip Efficiency. Also, enter the offered Energy Settlement Payment Quantity for each Contract Month of the Delivery Term

OfferInfo | Var_A | **Energy Settlement Var_A**

ENERGY SETTLEMENT	
Option 1 - Energy Storage	
Variable O&M-VOM (\$/MWh)	
Duration (Hours)	
Round Trip Efficiency (%)	

If the Contract Structure (cell N20) on the OfferInfo tab is "Percent", then this value should match the duration value entered in the Operational Characteristics section of the OfferInfo tab.

If the Contract Structure (cell N20) on the OfferInfo tab is "Percent", then this value should match the round trip efficiency value entered in the Operational Characteristics section of the OfferInfo tab.

Contract Month	Energy Settlement Payment Quantity (MW)
2024-Jul	
2024-Aug	
2024-Sep	
2024-Oct	
2024-Nov	
2024-Dec	
2025-Jan	



Step 5 – Energy Settlement

Gas Fired Energy Settlement (Option 2)

- If the Participant selects the Gas Fired Energy Settlement option, they must input on the “Energy Settlement Var_X” worksheet the Contract Heat Rate and Variable O&M. Also, enter the offered Energy Settlement Payment Quantity for each Contract Month of the Delivery Term

OfferInfo | Var_A | **Energy Settlement Var_A**

ENERGY SETTLEMENT	
Option 2 - Gas Fired	
Contract Heat Rate (MMBtu/MWh)	
Variable O&M-VOM (\$/MWh)	
Gas Index	
Alternate Gas Index	
Gas Pipeline / Tariff Rate	

Contract Month	Energy Settlement Payment Quantity (MW)
2023-Jan	
2023-Feb	
2023-Mar	

Gas Index, Alternative Gas Index, and Gas Pipeline prompts are dropdowns with multiple options.



Step 5 – Energy Settlement

Fixed Generation Profile Energy Settlement (Option 3)

- If the Participant selects the Fixed Generation Profile Energy Settlement option, input the Contract Schedule on the “Energy Settlement Var_X” worksheet
 - Use MWh as the units and round values to two decimal places
 - Enter values using Standard Time – do not adjust for Daylight Saving Time



IMPORTANT:

For the purposes of calculating the Energy Settlement, the Contract Schedule shall be as follows. All values must be entered in megawatt hours and rounded to two decimal places. Participant must enter a value greater than or equal to zero for each hour of each month.

Please enter this data using Standard Time - do not make adjustments for Daylight Saving Time.

Variant	C	Units: MWh																								
		HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8	HE 9	HE 10	HE 11	HE 12	HE 13	HE 14	HE 15	HE 16	HE 17	HE 18	HE 19	HE 20	HE 21	HE 22	HE 23	HE 24	
Jan																										
Feb																										
Mar																										
Apr																										
May																										
Jun																										
Jul																										
Aug																										
Sep																										
Oct																										
Nov																										
Dec																										



Step 5 – Energy Settlement

Monthly Price Energy Settlement (Option 4)

- If the Participant selects the Monthly Price Schedule Energy Settlement option, they must input on the “Var_X” worksheet the Energy Settlement Energy Price, Energy Settlement Energy Hours, and Energy Settlement Payment Quantity in the Energy Settlement Details section for each Contract Month



Contract Month	Contracted Quantity: RA (MW)	Contracted Quantity: Flex (MW)	Energy Settlement Details		
			Energy Settlement Energy Price (\$/MWh)	Energy Settlement Hours (Hours)	Energy Settlement Payment Quantity (MW)
2023-Jan	5.00	2.50			
2023-Feb	5.00	2.50			
2023-Mar	5.00	2.50			




Appendix A2: Offer Form - Bundled RA and Bundled RA with Energy Settlement

Step 6 - Saving and Submitting An Offer

When the base Offer and any additional variants, if any, have been fully populated proceed to the “File Name” tab




Click the  button

This offer form will not be accepted if the steps outlined below have not been followed!

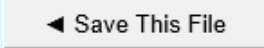
A new File Name must be generated via the steps below for each offer submitted. If submitting multiple offers, please repeat these steps for each offer submitted.

These steps will create a unique, correctly formatted name that must be given to this offer form file before it is submitted. If you are submitting multiple offers and you employing “Save As” on a form you previously populated to create a new offer it is essential that a new/different file name be generated for each additional offer you create.

When you are ready to submit this form...

1) Click this button ► 

2) This text ▼ is the required name for this file. Click the Save File button to complete.



3) Once you have named this offer form via the steps above and submitted this form to PG&E keep it unchanged in a secure location where you can refer to it should PG&E have questions. If a PG&E representative contacts you regarding this offer form they will reference the file name.

These instructions must be exercised just prior to actual submission of the form. The file name composed above must be created after you have finalized the rest of the form.




Appendix A2: Offer Form - Bundled RA and Bundled RA with Energy Settlement

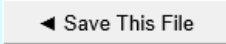
Step 6 – Saving and Submitting an Offer

The file name field will populate. Click the  button

When you are ready to submit this form...

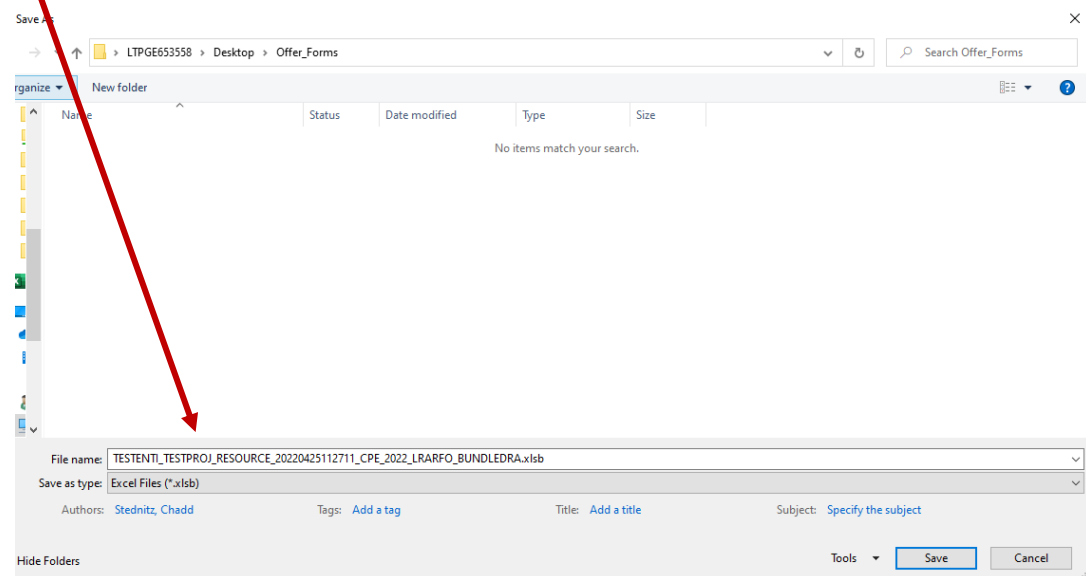
1) Click this button ► 

2) This text ▼ is the required name for this file. Click the Save File button to complete.



3) Once you have named this offer form via the steps above and submitted this form to PG&E keep it unchanged in a secure location where you can refer to it should PG&E have questions. If a PG&E representative contacts you regarding this offer form they will reference the file name.

The generated file name will be displayed in a file “Save As” panel. Navigate to the location where you wish to save the file. Do not change the file name. The name of the file must be the same as the name in the field on the “File Name” tab when the form is submitted. Click “Save”



Appendix A3: CPUC D.20-06-002, D.20-12-006, and D.22-03-034 Overview



Together, Building
a Better California



Overview of CPUC D.20-06-002 and D.20-12-006

Participants are strongly encouraged to review the applicable CPUC decisions prior to participating

CPUC D.20-06-002 (“CPE Decision”), CPUC D.20-12-006 (“Local Capacity Requirement Reduction Compensation Mechanism (LCR RCM) Decision”), and CPUC D. 22-03-034 (“RA OIR Phase 1 Decision”) will be collectively referred to as “the Decisions” in this presentation.

CPE Decision (D.20-06-002):

- On June 17, 2020, the CPUC issued the CPE Decision, identifying PG&E and Southern California Edison Company (SCE) as the central procurement entities (CPE) for their respective electric distribution service areas.
- Beginning with the 2023 compliance year, PG&E and SCE are required to procure local capacity to meet the 3-year forward multi-year local resource adequacy (RA) requirement on behalf of all CPUC jurisdictional load-serving entities within their respective electric distribution service areas.
- The CPE can meet its local RA requirements by procuring (a) local RA capacity through an all-source competitive solicitation process and (b) local RA capacity that is committed (“self-shown”) to the CPE.

LCR RCM Decision (D.20-12-006):

- Certain preferred resources, energy storage resources, and hybrid/co-located resources that are self-shown to the CPE are eligible for compensation up to a pre-determined Local RA premium.



Overview of CPUC D.22-03-034

RA OIR Phase 1 Decision (D. 22-03-034):

- On March 17, 2022, the CPUC Issued RA OIR Phase 1 Decision (D.22-03-034), which adopted modifications to the CPE structure originally adopted in the CPE and LCR RCM Decisions.

Summary of relevant modifications:

- Ordering Paragraph (OP) 2 requires a CPUC LSE that elects to self-show a local resource to the CPE to execute an attestation.
- This attestation requirement replaces the previous requirement in the LCR RCM Decision that a self-shown resource must be documented on an agreement.
- OP1 adopts requirements for non-performance of self-shown local resources, including:
 - If the CAISO makes a local CPM designation for an individual deficiency, the CPE shall be charged any associated backstop procurement costs. Any backstop procurement costs allocated to the CPE shall be allocated to all LSEs in the CPE's Transmission Access Charge area on a load ratio share basis through CAM.



Overview of CPUC D.22-03-034

Summary of relevant modifications continued:

- OP13 modifies the CPE procurement timeline
- OP10 requires the CPE to consider bids of any contract term length greater than or equal to one month
- OP8 modifies the required CPE selection criteria as established in OP14 of the CPE Decision.
- OP9 removes 1) facility age, 2) heat rate, 3) start-up time, and 4) ramp rate from the data participants are required to provide to the CPE in its solicitation process as established in OP15 of the CPE Decision.