

Updated: February 18**What values are you expecting in Proforma_GenProfile?**

In the "Proforma_GenProfile" tab, please populate the table with energy and ancillary services that are expected to be bid into the CAISO market.

What is PG&E's preferred naming conventions when uploading Offers to PowerAdvocate?

Offers should be named in the following format: **Company_Resource_Offer_#**.

For example: Seller "CompanyA" offers two Projects called "ResourceA" and "ResourceB". The ResourceA project has two variants. The appropriate naming conventions would be:

CompanyA_ResourceA_Offer_1a

CompanyA_ResourceA_Offer_1b

CompanyA_ResourceB_Offer_2a

Are there instructions for Power Advocate.

Yes, please visit the CHP RFO 3 webpage and select the link titled "Power Advocate Instructions."

What is the difference between an offer and a variant?

Offers are not mutually exclusive. If a participant submits 2 Offers into CHP RFO 3, PG&E may select both Offers. There are no limits to the number of Offers a Participant can submit into CHP RFO 3. A variant is mutually exclusive. If a participant submits 2 variants for an Offer, PG&E can only select one of 2 submitted variants. An Offer variant may include price, term and/or other PPA terms and conditions. PG&E only allows 2 variants on an Offer.

What do I populate in the Expected Successor Interconnection Agreement Date?

If the participant has a new FERC Interconnection Agreement which has an auto-renew clause, the participant can input N/A into this field. If the participant has an older Interconnection Agreement without an auto-renew clause and your interconnection agreement will expire during the term of the proposed Offer, please enter the expected successor interconnection date.

What is the deadline to register for Power Advocate?

There is no firm deadline that a participant must register for Power Advocate so long as the participant has registered in time to submit their Offer package(s) for the February 27, 2014 1:00pm PPT Offer Due date. PG&E suggests that you register no less than 1 week ahead of time.

Is Power Advocate the only venue I can submit my Offer?

Yes. All Offers must be submitted via Power Advocate. The CHP RFO 3 Solicitation Protocol incorrectly stated that other forms of Offer submission would be accepted. This error was corrected on January 28, 2014.

Can my project submit a Capacity-Only product in CHP RFO 3?

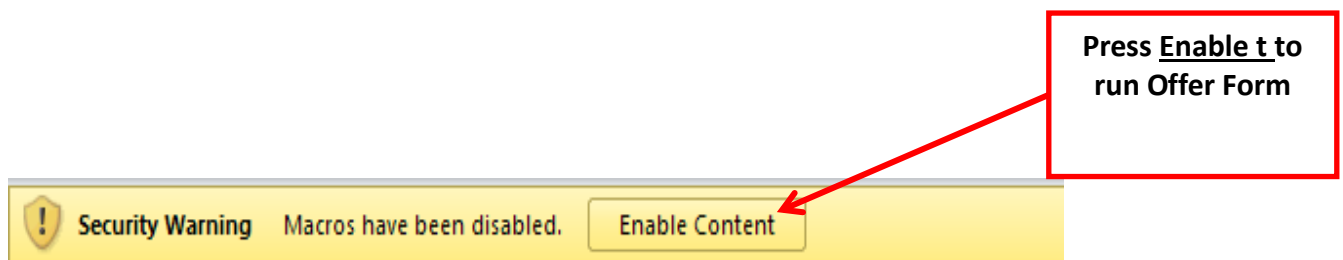
No, per CPUC resolution E-4529, PG&E will not accept Capacity-Only Offers as part of CHP RFO 3.

Protocol Section VI: Please confirm exactly what each Participant must deliver by 1 pm on February 27.

All required tabs must be submitted via Power Advocate prior to 1 pm on February 27th. Please see Section VI.B of the Solicitation Protocol for a complete list of the required tabs.

When I open up the offer form and select the PPA Type Offered from the drop-down menu nothing happens.

The Offer Form for a specific PPA type selected from the drop-down menu will appear only if Participant has enabled macros for their workbook. Please close down your excel file and reopen the offer form. When prompted by excel, please select "Enable Content." See diagram below.



How will PG&E evaluate as-available capacity that is submitted in an offer in the RFO?

With the high uncertainty around the deliverability of As-Available Capacity over the term of the Proforma PPA, in order to prevent the overestimation of this form of capacity in PG&E's portfolio, a zero capacity benefit will be assigned to As-Available Capacity during the evaluation phase of this RFO.


In Section 15.e of the Project Description asks for a preliminary design. Please confirm that proposals for Existing CHP Facilities are not required to complete this section.

The participant can state non-applicable (N/A) for section 15.e to the extent all of the facility's information is fully provided under Sections 1 & 2.

If there is no NCDC/NOAA weather available associated with my Facilities' site, can I use the local airport data to fill in the data set or should I submit a reduced data set?

If 10 years of NCDC/NOAA weather data does not exist, you can use the local airport data to fill in the data set and please distinguish where which data types were used.

The NCDC link provided in the Offer Form template is invalid. Moreover, the NCDC site only provides quality control data from 2005. Please clarify which dataset should be used to estimate the 10-year average monthly conditions.

- Go to:
<http://gis.ncdc.noaa.gov/map/viewer/#app=cdo&cfg=cdo&theme=hourly&layers=00000001&extent=-125.0:30.0:-120.0:45.0&node=gis>
 - Click on the Identify Tool Button () in the Tools Menu in the upper right hand corner.
 - Select the red dot closest to your location. Click on the database icon in the Results window to select the monthly data:
- The screenshot shows a web interface titled 'Results' with a sub-header 'Local Climatological Data'. Below this, there is a text prompt: 'Click icon below for single data access'. A table with two columns, 'Location' and 'Sta', is displayed. The first row is highlighted in blue and contains 'SONOMA COUNTY AIRPORT' and 'KST'. A mouse cursor is pointing at a small circular icon to the left of the row. Below the table, there is a yellow button labeled 'Access Data'.
- Select desired Year and Month from list. Press Continue.
 - Select E for entire month and Daily in HTML format. Press Submit.
 - The page will show the monthly summary for the station for the selected time. Record the average temperature, dewpoint temperature, and wet-bulb temperature for calculations in step 8.

Date	Temperature (Fahrenheit)					
	Max.	Min.	Avg.	Dep From Normal	Avg Dew pt.	Avg Wet Bulb
1	2	3	4	5	6	7
01	59	31	45	-3	31	37
02	56	26	41	-7	31	35
03	55	26	41	-7	32	36
04	58	29	44	-4	35	38
05	47	30	39	-9	38	40
06	34	32	32	32	32	32
07	60	33	47	-1	40	43
08	61	36	49	1	41	44
09	51	35	43	-5	39	41
10	51	29	40	-8	30	36
11	54	31	43	-5	32	37
12	51	28	40	-8	29	35
13	52	23*	38*	-10	26	32
14	56	26	41	-7	25	35
15	54	26	40	-8	29	35
16	59	26	43	-5	32	36
17	61	27	44	-5	33	37
18	62	26	44	-5	33	37
19	65	27	46	-3	34	38
20	63	27	45	-4	33	38
21	63	26	45	-4	34	38
22	61	29	45	-4	35	40
23	51	43	47	-2	44	46
24	59	48	54*	5	49	50
25	62	44	53	3	50	51
26	59	39	49	-1	39	45
27	57	34	46	-4	33	40
28	58	35	47	-3	36	42
29	64	41	53	3	38	45
30	63*	36	52	2	40	45
31	66	32	49	-1	40	43
	58.1	31.6	44.9		35.4	39.8
	1.4	-5.0	-1.8			

7. Repeat steps 4 - 6 for all months and during the past 10 year period.
8. Average each monthly value across all years (i.e. average all January-average-temperatures)
9. Use this on-line calculator to compute the monthly average relative humidity from dewpoint and average temperature to complete the form.

For data prior to 2005 where summaries do not exist, the user must follow these additional steps:

1. Go to <http://www7.ncdc.noaa.gov/CDO/dataproduct> to directly access legacy NCDC content
2. Select "Surface Data, Global Summary of the day", Click Access Data/Products.
3. Select Country, choose USA, and Submit.
4. Choose the second option "Or select a State / Province", select California, select Selected Stations in the state option, and click Continue.
5. Select your station (same station as was chosen above), and click Continue.
6. Select the appropriate data range (01/01/XX – 12/31/XX), and click Continue.
7. Download the file, import into Excel, calculate monthly average temperature and dewpoint to complete the form.

If our resource is converting to a UPF, what info do you want under Steam Host & Efficiency?

There are two classes of facilities that may be dispatchable. If the facility will continue to serve steam while being dispatchable, please include that information in the offer form. If the facility will no longer serve steam, PG&E will need the Operating Standard Percentage and the Efficiency Standard Percentage as of 2007. In both cases, PG&E will need 2 years of historical information on Total Useful Thermal Output, Total Generation, and Total Fuel Use.

What is the CAISO Resource ID?

Identification characters assigned by the CAISO to Generating Units, Loads, Participating Loads, System Units, Proxy Demand Resources, System Resources, and Physical Scheduling Plants. See CAISO Business Practice Manual for Definitions & Acronyms: <http://bpmcm.caiso.com/Pages/BPMDetails.aspx?BPM=Definitions%20and%20Acronyms>

Could PG&E please explain what costs should be included in start-up costs? Specifically, should fuel costs be included?

The fuel cost should be included in the Start-up Payments for the Entire Facility and the Start-up Payments for Single Unit under the 'Pricing/Compensation/Credit Requirements' for the Tolling Agreement Offer Form Tab. These costs are in addition to the Cold Start/Warm Start and Hot Start Fuel per Unit and Entire Facility under 'Other Operating Characteristics' in the Offer form.

Is it a requirement to complete the text boxes before my offer information can be saved or accepted? Also, is there a limit to the number of characters or words allowed for each text box?

Participants are required to fill in all yellowed text boxes for Offers to be accepted. If the yellowed text box does not apply to the Participant's Offer, the Participant should input 'N/A' to indicate that this field is non-applicable. The Offer Form can be saved at any time once it has been downloaded to the Participants computer. There are no limits to the number of characters or words allowed in each text box except for Appendix A7 - Supplier Diversity

For multi-year agreements, the Proforma PPA tab only allows Participants to input data for an outage schedule of one year. Based on this input format, does PG&E assume that the provided outage data is only applicable for the first year of the agreement? How are subsequent years evaluated?

The Maintenance Outage Schedule should represent the average maintenance the resource expects over the term of the PPA. The Offer Form allows for Participants to input 2 Major Overhauls which should include start date and number of days for the overhaul.

Our steam host is required to take downtime in the July through September period, and, as such, our Cogeneration would be down for that same period time. Would that preclude us from offering in our resource?

In this situation, the Participant can offer their resource into the CHP RFO and input zero capacity available for the July through September period. PG&E would evaluate the offer accordingly.

For Tolling Agreement offers, are we required to submit a separate Fixed O&M Charge or can we include our fixed O&M costs in our Capacity Payment Rate?

You can include fixed O&M costs in the Capacity Payment Rate.

Regarding offer variant a (base case) and b: Can variant b include changes to more than one input?

A variant can include more than one change to the Offer Form inputs. However, an Offer on a resource or project can only have two submitted variations (a & b). Examples of variations are term, price, commercial operation date or other non-price PPA terms and conditions. Please see Section II.B in the CHP RFO #2 Protocol.

If a resource is dispatched by a utility, should our offers reflect total available for expected MW production or just what we think it might run on a normal year?

Please provide the total availability of expected MW online; PG&E will estimate the expected MWh generation based on the offer characteristics.

What is the standard curtailment term? How is it priced? Where can we read about those terms?

The Economic Curtailment Option is defined in section 4.2.11 of the Settlement Agreement and is valued by PG&E as per those terms.

Is the definition of a spinning reserve a 10 minute start capability?

Spinning reserve is defined as the portion of unloaded synchronized generating capacity that is immediately responsive to system frequency variations and that is capable of being loaded in ten minutes, and capable of running for at least two hours. See CAISO Business Practice Manual for Definitions & Acronyms

<https://bpm.caiso.com/bpm/bpm/version/000000000000148>.

Please clarify whether all values where input in BTU is requested that the values are HHV, or are there any where LHV is expected?

Unless specified Lower Heating Value (LHV) in a comment box or the cell input description, Participants should assume Higher Heating Value (HHV).

Can you confirm that a CHP repowered facility, that enters into a Utility Tolling Facility Agreement, rather than the CHP Pro Forma PPA, would be eligible for a 12 year term and that the start date could occur within 60 months from the Effective date of CPUC approval?

The Settlement agreement allows for repowered CHP facilities a term length of 12 years and PG&E would entertain such an offer under the CHP Utility Tolling PPA.

PG&E would expect that under a Utility Tolling PPA, the facility would meet the CHP efficiency standards throughout the term of the contract and qualify as a Repowered CHP Facility pursuant to the Settlement Agreement Term Sheet.

Can you please provide more detail regarding how termination of existing PURPA PPA's will be considered in the evaluation of RFO proposals, specifically any potential termination fees and the value of forgone revenue from existing PPA?

PG&E will evaluate the offer by looking at the specific existing QF PPA associated with a submitted offer. PG&E will consider and factor in the value of the early QF PPA termination in relation to the term specified in its existing agreement, including early termination charges, as applicable.

Credit and collateral is required for Utility Prescheduled Facilities. Can you please provide the reference in the Settlement documents that state this requirement?

The Settlement Agreement allows each IOU to request additional credit and collateral terms as stated in Section 4.2.8.2. For existing facilities that convert to a Utility Prescheduled Facility, or as PG&E refers to as a Utility Tolling arrangement, the credit and collateral requirements are highlighted in the CHP RFO #2 Solicitation Protocol Section II.D. PG&E's Utility Tolling Agreement, also contains the credit and collateral requirements.

There are questions in Exhibit B (Project Description) that presume a new build. How should we address these questions if our proposal involves an existing facility?

Please state non-applicable (N/A) to any question in Appendix B, Project Description, that does not apply to your facility.

Is there anything that must be delivered electronically (i.e., emailed)?

Yes, Preliminary Applications for Gas Services must be emailed to CHPRFO@pge.com.

Bid packages must be submitted to PG&E through Power Advocate. Detailed instructions for submitting Offer(s) and using Power Advocate are available on PG&E's website www.pge.com/rfo under "Third Combined Heat and Power RFO".

When can we expect to see the remaining tabs in the Offer Form?

The first step is to Enable Macros. Please see the next question for more details on how to [Enable Macros](#). Once macros have been enabled, select the PPA type and the applicable tabs will appear at the bottom of the Offer Form.

Where can I find further details of the Qualifying Facility (QF)/Combined Heat and Power (CHP) Settlement?

See the website at <http://www.pge.com/b2b/energysupply/qualifyingfacilities/welcome/> or email questions to QFSettlementInquiries@pge.com.

Where can I find further details of the CHP Request for Offers (RFO)?

See the website at www.pge.com/rfo or email questions to CHPRFO@pge.com.

How do I subscribe to the general RFO distribution list?

A registration form link is located at www.pge.com/rfo.

What is the Settlement Effective Date?

The Settlement Agreement became effective on November 23, 2011.

Who can participate?

Eligibility requirements are specified in Section III of the Solicitation Protocol and per the Settlement Agreement (Section 4.2.2):

4.2.2.1 Any CHP Facility with a nameplate larger than 5 MW may bid into the CHP RFO, including CHP Facilities seeking [to provide] firm and as-available capacity . . . , provided that the CHP Facility meets the definition of cogeneration under California Public Utilities Code §216.6 and the Emissions Performance Standard established by Public Utilities Code §8341 (Senate Bill 1368). A CHP Facility must meet the federal definition of a qualifying cogeneration facility under 18 CFR §292.205 implementing PURPA.

4.2.2.2 CHP Facilities converting to Utility Prescheduled Facilities. A CHP Facility that met the PURPA efficiency requirements (18 C.F.R. §292.205) as of September 2007 and converts to a Utility Prescheduled Facility is also eligible to participate in the CHP RFOs. After the Existing CHP Facility converts to a Utility Prescheduled Facility, it may be either a Qualifying Facility or an Exempt Wholesale Generator if the facility otherwise meets the criteria in . . . Section 4.2.2.2 of the CHP Settlement Agreement.

Can a facility with an existing PPA participate in the RFO?

A facility with an existing PPA may participate in an RFO. Depending on the terms of the current contract, a facility may elect to terminate its contract early as part of its offer. Sellers will be responsible for any applicable termination charges in the current contract.

Can renewable facilities participate in the RFO?

Renewable facilities may participate if they meet the definition of cogeneration facility in Section 4.2.2.1 and 4.2.2.2 of the Settlement Agreement.

What should I do regarding Electric Interconnection?

As described in the Solicitation Protocol, QFs converting from the California Public Utilities Commission's (CPUC) jurisdiction (Rule 21 interconnection) to Federal Energy Regulatory Commission's (FERC) jurisdiction as a result of entering a new PPA that is not executed pursuant to the Public Utility Regulatory Policies Act (PURPA), will be required to comply with the applicable FERC jurisdictional tariff for the interconnection and the CAISO Tariff for the commercial arrangement.

At a minimum, existing facilities will need to execute the items listed below prior to delivering energy under the new FERC-jurisdictional PPA.

- Interconnection Agreement (IA),
- Participating Generator Agreement (PGA), and
- Meter Service Agreement (MSA)

For some facilities that make no material modifications, the process of obtaining an interconnection agreement may be quicker in that interconnection studies may not be required. For new facilities and those generators who are making or planning to make material modifications to the facility, the generator will need to comply with the study process per the Generator Interconnection Procedures (GIP) outlined in the applicable FERC jurisdictional tariff.

Resources:

For transmission level interconnections, contact the CAISO or see details at:

<http://www.caiso.com/planning/Pages/GeneratorInterconnection/Default.aspx>.

For distribution level interconnections, contact the applicable distribution owner, e.g. for PG&E (below 60 kV) email wholesalegen@pge.com or see details at

<http://www.pge.com/b2b/newgenerator/qualifyingfacilities/converting/index.shtml>

and <http://www.pge.com/b2b/newgenerator/qualifyingfacilities/converting/>.

For QFs with no material modifications providing the following information will help expedite the IA process for PG&E:

- Affidavit/ Agreement
- Original and any subsequent Special Facilities Agreements (SFAs), entitled "Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Non-utility-owned Generation and/or Electric Standby Service (Electric Rules No. 2 and 21)
- Job Estimate for the existing interconnection provided by PG&E
- The latest bill for the Cost of Ownership Charge (the monthly Operation & Maintenance costs)
- Any project name or ownership changes after execution of Original SFA

What should I do regarding Gas Interconnection?

For new facilities or facilities with modifications that result in an increase to gas service demand, Participants are required to initiate a gas study with the applicable gas interconnection provider by January 30th, 2014.

Resources:

PG&E's Gas Generator Connection website at

<http://www.pge.com/b2b/newgenerator/wholesalegeneratorinterconnection/gasinterconnections/index.shtml>

For existing facilities, contact the applicable gas interconnection service to confirm that there are no changes in the facility's operations (and operating pressure) and therefore no increase to gas service demand. If shortlisted, Participants will be required to provide the following:

- Map showing PG&E service interconnection point and meterset location
- Meterset number
- Start date, term and end date of gas service agreement
- PG&E billing number

My facility does not have operational flexibility for the next three years. After three years, my facility will be able to be completely dispatchable. Should I submit a CHP Proforma PPA or a CHP Tolling Agreement as the basis of my offer?

PG&E would view this as a hybrid offer, with the part of the contract term as a must-take obligation and the rest of the term as a tolling arrangement. Participant should consider using PG&E's form Tolling Agreement. Participant should specify the non-dispatchable limitations during the first part of the contract term in Appendix II of the Tolling PPA.

I have a plant that has additional dispatchability above a firm level. Should I submit a CHP Proforma PPA or a CHP Tolling PPA?

Participants seeking material changes to the CHP RFO pro-forma PPA should consider using PG&E's form tolling agreement, i.e., Utility Tolling PPA. The detailed physical characteristics of the facilities including minimum output levels can be inserted into Appendix II of the Tolling PPA.

Section 4.2.2.2 of the Term sheet says that a CHP Facility that met the PURPA efficiency requirement as of September 2007 and converts to a Utility Prescheduled Facility is eligible to participate in the CHP RFOs. Our facility did not meet the requirement in 2007, but will be re-certified prior to the delivery start date. Our steam host is flexible. Should we be submitting the CHP Tolling PPA and the CHP RFO RA Confirm or the Appendix F1 CHP RFO PPA?

The project should submit the CHP Tolling PPA and clearly outline the Operating Limitations in Appendix II. Eligibility to submit the Tolling Agreement PPA in the RFO is not limited to Utility Prescheduled Facilities as defined under the CHP Settlement Agreement. In this case, recertification and operation as a CHP Facility would be a requirement of the PPA.

For a CHP facility that has additional product to offer (i.e. ancillary services and additional dispatchable power), how do you suggest this offer be made clear since the template is designed for either CHP or UPF?

The Tolling Agreement tab in the Offer Form has a section to specify a project's ancillary services. If there are any additional product attributes applicable with your offer, please highlight them in your Cover Letter.