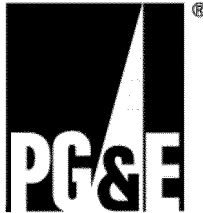


Rulemaking: 12-03-014  
(U 39 E)  
Exhibit No.: \_\_\_\_\_  
Date: July 23, 2012  
Witness: Various

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**PACIFIC GAS AND ELECTRIC COMPANY**  
**2012 LONG-TERM PROCUREMENT PLAN**  
**TRACK 1**  
**REPLY TESTIMONY**

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PACIFIC GAS AND ELECTRIC COMPANY  
2012 LONG-TERM PROCUREMENT PLAN  
TRACK 1  
REPLY TESTIMONY

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PACIFIC GAS AND ELECTRIC COMPANY  
2012 LONG-TERM PROCUREMENT PLAN  
TRACK  
REPLY TESTIMONY

PACIFIC GAS AND ELECTRIC COMPANY  
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1 PACIFIC GAS AND ELECTRIC COMPANY  
2 2012 LONG-TERM PROCUREMENT  
3 TRACK  
4 REPLY TESTIMONY

5 A. The Track 1 Issues Should Be Addressed This Year

6 Q 1 On page 4 of its Track 1 testimony, Calpine Corporation ("Calpine")  
7 argues that "the Commission should not authorize the IOUs to procure any  
8 new [emphasis in original] resources to meet local reliability needs until  
9 system reliability needs have also been determined." Does Pacific Gas and  
10 Electric Company ("PG&E") agree?

11 A 1 No. The need for resources ~~local~~ to reliability considerations should be  
12 addressed this year, in Track 1, as has already been established in the May 17,  
13 2012 Scoping Memorandum and Ruling of Assigned Commissioner and  
14 Administrative Law Judge ("Scoping Memo").

15 The Scoping Memo's determination to address local capacity needs in  
16 southern California this year, and to address the broader question of system  
17 reliability needs next year in a second track, makes sense for several reasons.  
18 First and foremost, based on the California Independent System Operator's  
19 ("CAISO") analysis, there is a pressing need for capacity to meet local  
20 requirements. Therefore, ~~question~~ this issue should be addressed now.

21 Other parties' disagreement with the CAISO's analysis, and differing  
22 opinions on the level of local capacity need in southern California, do not  
23 support deferring a decision on ~~the matter~~ this issue. Since the CAISO, who has  
24 responsibility to operate the CAISO grid reliably, has concluded that there  
25 is a substantial need, the California Public Utilities Commission ("CPUC" or  
26 "Commission") should address the matter immediately to reach its own  
27 judgment. The Commission should act now so that, if it agrees with the  
28 CAISO's conclusion that resources are needed, there will be enough time for  
29 that need to be addressed.

30 Second, the basic analytic approach for evaluating local capacity needs  
31 already established. The CAISO has used the same approach for evaluating  
32 local capacity needs, based on established reliability criteria, for several  
33 years. The CAISO study here is longer term than the CAISO local capacity

1 studies that have been used to determine year-ahead local capacity  
2 requirements for resource adequacy purposes, but the basic analytic  
3 framework is the same. Therefore, as the CAISO has completed and  
4 presented its analysis, it makes sense for the Commission to use that, as  
5 as the input other parties have provided in their testimony, to reach its  
6 independent determination of local capacity need.

7 There is more uncertainty associated with the CAISO's multi-year  
8 forward conclusions regarding local capacity needs here than there is with the  
9 CAISO's one-year forward conclusions presented in connection with  
10 year-ahead local capacity resource adequacy obligations. However, this is an  
11 unavoidable consequence of the fact that the further into the future one  
12 attempts to look, the more uncertainty there is. The higher level of  
13 uncertainty does not mean that the CAISO's multi-year study is flawed, but  
14 instead simply reflects the uncertainty inherent in long-term planning.

15 Third, evaluating system need in 2013 will be a challenging enough task.  
16 Local capacity needs should be addressed this year, instead of deferring the  
17 issue to 2013, in order to help limit the number of issues that must be  
18 addressed in Track 2.

19 Q 2 Do you agree with the Division of Ratepayer Advocates' ("DRA") suggestion  
20 that the Track 1 decision on local capacity need be deferred in order to take  
21 into account the final CPUC-adopted standards in Track 2 of the  
22 2012 Long-Term Procurement Plan ("LTPP")?

23 A 2 No. DRA's suggestion is troubling. Not only would this delay the Track 1  
24 decision, but it would almost certainly cause delays in both the Track 2 and  
25 Track 3 decisions, as well. New information will always be available, but  
26 given the local need identified by CAISO, the Commission should move  
27 forward now, using the information that it has to evaluate the CAISO's analysis  
28 and conclusions.

29 B. The Costs of Capacity to Meet Local Capacity Requirements in Southern  
30 California Should Not Be Allocated to Customers in PG&E's Service Area

31 Q 3 In the direct testimony of Southern California Edison Company ("SCE"), on  
32 page 2, SCE states "[i]n the absence of a multi-year forward procurement

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1 DRADirect Testimony (Peter Spencer), p. 3.

1 mechanism that can secure generation capacity to meet the identified Local  
2 Capacity Requirements (“LCR”) need and fairly allocate costs to all Load  
3 Serving Entities (“LSE”), SCE proposes that the Commission authorize SCE  
4 to procure new LCR generation needed in LA Basin area on behalf of all  
5 system customers.” Did SCE clarify this statement in discovery?

6 A 3 Yes. In response to PG&E Data Request PGE-SCE-001, SCE stated that  
7 “all system customers” means “all customers served by SCE’s electrical  
8 system and is limited to procurement of new generation capacity intended to  
9 meet CPUC-authorized LCR need in SCE’s service territory.”

10 Q 4 On page 2, SCE’s testimony states that “[i]n the absence of a multi-year  
11 forward procurement mechanism that can secure generation capacity to meet  
12 the identified LCR need and fairly allocate a costs to all LSEs, SCE proposes  
13 that the Commission authorize SCE to procure new LCR generation needed  
14 in the LA Basin area on behalf of all customers.” Also, on page 26  
15 SCE states that that “LCR resources are required to meet system and local  
16 area reliability requirements. As such, to SCE of procuring the LCR  
17 resources should be equally and fairly allocated to all LSEs and  
18 non-jurisdictional publicly-owned utilities (“POU”) in the CAISO balancing  
19 area.” Do you agree with these statements by SCE?

20 A 4 No. It appears that SCE’s use of the term “system” is inconsistent and  
21 confuses on whose behalf the LCR resources are being procured. Further,  
22 the absence of a multi-year forward procurement mechanism is irrelevant and  
23 does not justify having the Commission allocate to customers outside of  
24 SCE’s service territory any of SCE’s costs for LCR resources  
25 needed for the LA Basin.

26 As noted in A3 above, SCE has acknowledged that “system customers”  
27 as discussed on page 2 of its testimony pertains to “all customers served  
28 SCE’s electrical system to meet CPUC-authorized LCR need in SCE’s  
29 territory.” Yet, on page 26 of its testimony, SCE’s use of the term “system”  
30 appears to refer to the larger CAISO area.

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2 SCE’s response to Question 1a of Data Request No. PGE\_SCE\_001 is included  
in this testimony as Attachment 1.

1 To the extent SCE means that costs of its procurement to meet the LCR  
2 need in the LA Basin are to be allocated to all benefiting customers in SCE  
3 service territory—including bundled service, Direct Access (“DA”), and  
4 Community Choice Aggregation (“CCA”) customers—but not to any  
5 customers outside of SCE’s service territory, PG&E agrees with these  
6 statements by SCE. This is consistent with the direction of Public Utilities  
7 Code (“Pub. Util. Code”) Section 51062(A), which indicates that  
8 resources procured to meet “local area reliability needs for the benefit of  
9 customers in the electrical corporation’s distribution service territory” should  
10 be allocated to the bundled customers of the utility procuring the resources,  
11 well as CCA and DA customers, but not to customers outside that electrical  
12 corporation’s distribution service territory.

13 To the extent that SCE means that some portion of its costs for its  
14 procurement to meet the LCR need in the LA Basin (or elsewhere in the SCE  
15 service territory, such as Big Creek/Ventura) are to be allocated to any  
16 customers in PG&E’s service territory, PG&E disagrees with these statements  
17 by SCE.

18 Q 5 Still referring to SCE’s testimony on 2/6/20, SCE states that “to the extent  
19 the LCR resources provide flexibility benefits (i.e., integration services  
20 intermittent resources) to the entire CAISO system, SCE is interested in  
21 seeking a broader cost allocation from all CPU jurisdictional customers  
22 benefitting from the increased flexible capacity.” Should PG&E’s customer  
23 be allocated a portion of the costs for SCE’s procurement to meet LCR need  
24 in the LA Basin or elsewhere in the SCE service territory?

25 A 5 No. SCE appears to suggest that such costs may be allocated to PG&E’s  
26 customers because incremental resources procured to meet the LCR need in  
27 the LA Basin may provide operational flexibility that helps the entire CAISO  
28 system integrate intermittent renewables and PG&E’s customers benefit from  
29 such increased flexible capacity. PG&E disagrees with this premise. PG&E  
30 contends that it is inappropriate to allocate PG&E’s customers with any  
31 portion of SCE’s costs for procurement to meet the LCR needs in the  
32 LA Basin or elsewhere in SCE’s service territory.

33 SCE has provided neither any analysis nor credible precedent to support  
34 having the Commission allocate to PG&E’s customers a portion of SCE’s



1 costs to procure incremental capacity to meet the long-term LCR need in the  
2 LA Basin or elsewhere in SCE's service territory.

3 In contrast, the CAISO's testimony appears to support PG&E's view.  
4 The CAISO's testimony suggests that there is some threshold of flexibility  
5 needed for new capacity to satisfy LCR need for the LA Basin, regardless  
6 of the amount of flexible capacity needed for the system to integrate  
7 intermittent renewables. The CAISO's testimony of Robert Sparks discusses  
8 the flexibility attributes that are possessed by capacity procured to  
9 meet the LCR need in the LA Basin:

10 The OTC generation characteristics include ramp rates and minimum  
11 output levels that allow the generation to be ramped-up quickly following  
12 the first transmission contingency in order to ensure reliable system  
13 operation following the next transmission contingency. The flexibility of  
14 the OTC generation allows efficient system dispatch when all  
15 transmission equipment is in-service, but still provides for reliable  
16 operation following a transmission contingency. Replacement generation  
17 should have similar flexible attributes. Quick starting generation  
18 would also provide for efficient system dispatch, but still provide for  
19 reliable system operation following a transmission contingency.

20 Q 6 Does San Diego Gas & Electric Company ("SDG&E") propose a cost  
21 allocation rationale similar to SCE's, with costs associated with flexibility  
22 benefits of LCR procurement possibly allocated to customers throughout the  
23 CAISO system, including possibly PG&E customers?

24 A 6 No. SDG&E indicates that there may be interrelationships between the LCR  
25 needs of the Western LA Basin sub-area, and particularly the Ellis sub-area  
26 and the LCR needs in the San Diego Greater Imperial Valley-San Diego  
27 areas.<sup>4</sup> SDG&E's LCR needs are being considered in A.11-05-023.  
28 SDG&E has not suggested that the costs associated with the flexibility  
29 benefits of SDG&E's LCR procurement may be allocated to customers  
30 throughout the CAISO, including possibly PG&E customers.

31 Q 7 Does PG&E support allocating the net cost of LCR capacity to all benefiting  
32 customers as proposed by The Utility Reform Network ("TURN") and other  
33 parties in their Track 1 testimony?

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3 Direct Testimony of the CAISO (Robert Sparks), May 23, 2012, p. 15.

4 Direct Testimony of SDG&E (John Jontry), June 24, 2012, p. 1.

5 TURN Direct Testimony, p. 24; SDG&E Direct Testimony, p. 9.

1 A 7 Yes, as a general principle, PG&E agrees with TURN and others who  
2 recommend allocating the net cost of LCR resources to all benefiting  
3 customers. In the case of LCR resources procured pursuant to a Track 1  
4 decision, PG&E recommends allocating the cost of these resources to all  
5 customers in the service area where LCR resources are added, whether  
6 bundled, DA, or CCA customers.

7 Q 8 Is there precedent for allocating LCR resource costs to all customers in  
8 service area where LCR resources are added?

9 A 8 Yes. Consistent with the guidance provided by Senate Bill ("SB") 695,  
10 which enacted Public Utilities Code 365.1(c), and with Decision  
11 ("D.") 11-05-005, the existing Cost Allocation Mechanism ("CAM")  
12 provides that the net capacity cost of resources which the Commission  
13 determines are needed to meet the local reliability needs of an electric  
14 distribution service territory allocated to the bundled, DA, and  
15 CCA customers in that electrical corporation's distribution service territory.  
16 Section 365.1(c)(2)(A) provides:

17 The net capacity costs of those generation resources are allocated on a  
18 fully non-bypassable basis consistent with departing load provisions as  
19 determined by the commission, to all of the following:  
20 i) Bundled service customers of the electrical corporation.  
21 ii) Customers that purchase electricity through a direct transaction with  
22 other providers.  
23 iii.) Customers of community choice aggregators.

24 Q 9 Do other parties reach the same conclusion as PG&E regarding CAM for  
25 allocating SCE's LCR resource costs?

26 A 9 Yes. Several parties reach the same conclusion as PG&E. For example,  
27 SDG&E states that "each investor-owned utility ("IOU") is responsible for  
28 procuring new generation resources to serve its distribution service territory,  
29 with the cost and benefits of the capacity associated with these new resources  
30 being shared by all "benefitting parties" located in that IOU's service  
31 territory."<sup>6</sup> TURN states that the net costs of such capacity should be  
32 allocated to all benefiting customers, to SB 695, SB 790 and other  
33 Commission policies.<sup>7</sup>

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6 SDG&E Direct Testimony, p. 9.

7 TURN Direct Testimony, p. 24.

1 Q 10 Do you have any comments regarding the issues identified by Commissioner  
2 Florio in his Assigned Commissioner's Ruling issued on July 13, 2012 in the  
3 proceeding?

4 A 10 Yes. The first topic identified by Commissioner Florio was if the  
5 Commission determines there is a local need in southern California, how  
6 and other LSEs in Southern California could be directed to meet that need  
7 "on behalf of the system." PG&E understands that this topic addresses  
8 procurement mechanisms for LCR resources in southern California and does  
9 not address cost allocation. However, to the extent that parties interpret  
10 topic as addressing cost allocation, for the reasons stated above, LCR  
11 resources are not associated with system need and thus the costs associated  
12 with resources should not be allocated to all customers in the CAISO.  
13 Instead, these costs should be allocated to the customers that benefit from  
14 these resources (the bundled, DA and CCA customers located in southern  
15 California).

16 C. The Proposals to Modify the Cost Allocation Mechanism Should Be Rejected

17 Q 11 Could you summarize the proposals made by Alliance for Retail Energy  
18 Markets, Direct Access Customer Coalition, and the Marin Energy Authority  
19 ("DA/CCA Parties") in their joint testimony?

20 A 11 Yes, the DA/CCA Parties make proposals in three areas:  
21 1) Process and criteria to determine when CAMs applicable;  
22 2) Modifications to the CAM charge methodology; and  
23 3) LSE Opt-Out from the CAM mechanism.

24 1. The Process and Criteria for Identifying CAM Resources Should Not  
25 Be Changed

26 Q 12 Do you have any concerns with DA/CCA Parties' first proposal regarding  
27 the process and criteria for the Commission determining when CAM  
28 procurement should occur?

29 A 12 Yes. First, the DA/CCA Parties proposed process and criteria are  
30 biased and unfair to bundled customers. The DA/CCA Parties' version of  
31 cost causation unfairly assumes that CCA and DA customers have first rights  
32 to and can meet their requirements exclusively from existing resources.  
33 The DA/CCA Parties would require that bundled customers pay the marginal

1 and presumably higher cost of any new resources as well as the cost of  
2 replacing existing resources.

3 Second, the DA/CCA Parties indicate that in determining when CAM  
4 procurement should occur, the Commission should determine “[i]f the load of  
5 the bundled utility customers is driving the peak or decreasing the system  
6 load factor..”<sup>8</sup> If the Commission were to adopt this cost causation  
7 proposal, then the Commission should require all DA and CCA providers to  
8 submit procurement plans, including detailed load and forecast data, in  
9 procurement proceedings that ~~could~~ determine CCA and DA load  
10 impacts on the need for new resources.

11 In the past, DA providers and CCAs ~~have~~ not submitted their own load  
12 data and forecasts in these proceedings. However, if the DA/CCA Parties’  
13 cost causation proposal is adopted, this would result in the Commission  
14 having an incomplete picture. If the DA/CCA Parties truly support their  
15 proposal, they should be willing to agree that all DA providers and CCAs  
16 required to submit procurement plans to the Commission that include detailed  
17 load forecast information.

18 The DA/CCA Parties recommend that their process be adopted in  
19 March 2013 when the IOU bundled procurement plans are currently  
20 scheduled to be filed. If the Commission adopts this aspect of the DA/CCA  
21 Parties’ proposal, it should require all ~~SPs~~ and CCAs to file their own LTPP  
22 at that time, which would include load forecasts.

23 2. The Proposed Modifications to the CAM Charge Methodology Should  
24 Not Be Adopted

25 Q 13 Do you have any concerns with DA/CCA Parties’ proposals in Section V  
26 of their testimony regarding modifications to the CAM charge methodology?

27 A 13 Yes, PG&E has three areas of concern: (1) changes to the CAM calculation  
28 to include additional forecast revenue,<sup>10</sup> (2) levelization of the annual

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8 DA/CCA Parties Direct Testimony, p. 21, lines 14-15; p. 23, lines 14-18  
(explaining that the Commission should evaluate Electric Service Provider (“ESP”)  
and CCA loads).

9 DA/CCA Parties Direct Testimony, p. 34, lines 15-17.

10 DA/CCA Parties Direct Testimony, pp. 38-43.

1 revenue requirement for utility-owned generation (“UOG”) and front-loaded  
2 Power Purchase Agreement (“PPA”) costs<sup>11</sup> and (3) creating a cap for  
3 CAM costs.<sup>12</sup>

4 Q 14 How do the DA/CCA Parties propose to change the CAM calculation and  
5 what is your concern?

6 A 14 The DA/CCA Parties propose to change the proxy calculation that was part  
7 of the Joint Parties’ Proposal<sup>13</sup> to include additional incremental ancillary  
8 service revenue, renewable integration value and the options value of a  
9 long-term tolling agreement into the imputed revenues that offset the  
10 resource’s cost in determining the CAM amount. The Joint Parties Proposal  
11 was part of the Settlement Agreement approved in Decision 07-09-044.  
12 The CPU found that the Settlement was reasonable and that it balanced the  
13 interests of the various parties.<sup>14</sup> It is not reasonable to go back now to alter  
14 only certain aspects of that Settlement since it was a compromise on the  
15 various issues between all the parties.

16 Furthermore, the Joint Parties’ Proposal’s use of only non-spin imputed  
17 revenues in addition to imputed energy revenues was not an oversight.  
18 The inclusion of only non-spin imputed revenue was because it was  
19 incremental to imputed energy revenue that was calculated with perfect  
20 hindsight at the day-ahead energy price. Since the imputed energy revenue  
21 includes all the hours in which the resource is determined to have been  
22 economic to dispatch given actual day-ahead energy prices,<sup>15</sup> it would not be  
23 reasonable to impute any additional ancillary services revenues in those  
24 hours. In the hours when it is not economic to dispatch a resource would not have been  
25 economic to dispatch in the day-ahead energy market, imputed revenues for  
26 providing non-spinning reserves should be included if economic and if the resource  
27 can provide such service.<sup>16</sup> The imputed day-ahead energy revenues are a

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11 DA/CCA Parties Direct Testimony, pp. 44-47.

12 DA/CCA Parties Direct Testimony, pp. 47-48.

13 The Joint Parties’ Proposal was part of a settlement agreement in R.06-02-013 that was  
adopted in D.07-09-044 and is contained in Section 6 of Appendix A of that decision.

14 Decision 07-09-044, p. 11 and Finding of Fact 6.

15 D.07-09-044, Appendix A, Section IX.B.2.a.

16 D.07-09-044, Appendix A, Section IX.B.2.b.

1 proxy for all the energy or ancillary service revenue the resource could  
2 capture when it was economic to dispatch, and the imputed non-spin revenue  
3 is a proxy for all the incremental ancillary service revenue the resource  
4 capture when it was not economic to dispatch.

5 The DA/CCA Parties' proposal to include additional imputed revenues  
6 on top of those adopted D.07-09-044 should be rejected because it is a  
7 one-sided change to an adopted tariff and would also double count  
8 imputed revenues in an attempt to lower the CAM charge.

9 Q 15 What is your concern with DA/CCA Parties' levelization proposal?

10 A 15 The DA/CCA Parties' proposal to levelize the annual revenue requirement for  
11 UOGs inconsistent with the statutory language in Pub. Util. Code,  
12 Section 365.1(c)(2)(C), which require use of the annual revenue  
13 requirement for UOG that is subject to the CAM, not the levelized costs.  
14 Moreover, the DA/CCA customers should pay the same costs as bundled  
15 customers based on the normal trajectory of revenue requirements, which  
16 start higher and end lower than the levelized value. Using a levelized cost  
17 creates an unfair advantage for DA/CCA customers. Moreover, in the  
18 Reopening Direct Access Proceeding 7 (D.05-0025), Mark Fulmer, one of the  
19 DA/CCA parties' witnesses, took the opposite position regarding using  
20 levelized costs. In that proceeding, Mr. Fulmer maintained that to determine  
21 an appropriate market price benchmark for renewable resource costs, the  
22 actual revenue requirement of UOG renewable resources should be used,  
23 instead of a levelized price. In that proceeding, Mr. Fulmer's DA/CCA  
24 clients benefited from higher UOG revenue requirements in the first years  
25 operation and thus they opposed using the prices for UOG resources to  
26 determine the market price for renewable resources. Here, Mr. Fulmer's  
27 clients benefit from a levelized price and so he is taking the completely  
28 opposite position.

29 The DA/CCA Parties also propose that if a PPA contract is front-loaded  
30 then the actual annual costs of the PPA should not be used in calculating  
31 CAM charge, but rather that the costs used in the CAM should be levelized.

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17 See, R.07-05-025, Transcript from March 28, 2011 hearing, line 22, line 23 to p. 23,  
line 25.

1 Like the proposal to levelize the UO revenue requirements, this proposal  
2 would shift costs to bundled customers from DA and CCA customers since  
3 the bundled customers would be paying the full costs of the PPA in the  
4 early years of the PPA while the DA and CCA customers would be paying a  
5 CAM charge based on a lower annual cost. Interestingly, the DA/CCA  
6 Parties don't seem to advocate levelization if a CAM-eligible resource had  
7 back-loaded costs.

8 Q 16 Is the DA/CCA Parties' proposal to create a cap on the CAM charge  
9 reasonable?

10 A 16 No, it is not. The DA/CCA Parties' testimony confuses cost and value.  
11 CAM stands for "Cost Allocation Mechanism." The DA/CCA Parties  
12 mistakenly claim that the CAM attempts to calculate the value of the  
13 Resource Adequacy ("RA") portion of the resource, that if the CAMs  
14 ever above some measure of RA value, the CAM charge should be capped at  
15 that level. This is confusing the residual cost represented by the CAM charge  
16 and RA value. The CAM charge is the residual cost of the resource after the  
17 energy and ancillary services revenues are netted from the total costs.  
18 This residual cost of a long-term contract will likely be higher than the  
19 short-term RA value of the resource. That does not imply that the total cost  
20 of the CPUC-approved CAM-eligible contract was unreasonable, but rather  
21 that the cost of new generation for system or local reliability is more  
22 expensive than short-term RA.

23 Furthermore, costs associated with CAM resources are not capped for  
24 bundled customers and thus the DA/CCA Parties' proposal would have the  
25 effect of favoring DA/CCA customers over bundled customers. The  
26 DA/CCA customers should be required to pay their fair share of any  
27 CAM-related costs.

28 3. Load-Serving Entities Should Not Have the Option to "Opt-Out" of the  
29 CAM Mechanism

30 Q 17 Do you have any concerns with the DA/CCA Parties' third proposal that DA  
31 and CCA providers be able to opt-out from the CAM?

---

18 DA/CCA Parties Direct Testimony, p. 47, lines 11-12.

1 A 17 Yes. The DA/CCA proposal is not a necessary modification to implement the  
2 RA provision of SB 695, but rather a proposal that shifts costs from DA/CCA  
3 to bundled customers. If adopted, this opt-out may very well adversely  
4 impact reliability and impose additional administrative burden on IOUs and  
5 the Commission.

6 Q 18 Do you have any concerns with respect to DA/CCA Parties' suggested  
7 contract term for opt-out?

8 A 18 Yes. Under DA/CCA Parties' proposal, an LSE would only need to  
9 demonstrate a 5-year contract term to opt-out.<sup>19</sup> In resource need situations,  
10 or when there are no existing resources available with the right type of  
11 operating attributes for the LSE to meet its requirements, the LSE will need to  
12 commit to new resources. Most new generation resources require long-term  
13 contracts, 10 years or more in length. Thus, the DA/CCA Parties' proposal  
14 would not adequately protect system reliability.

15 Q 19 Do you have any concerns about applicability of the DA/CCA Parties'  
16 proposal for LSE opt-out mechanisms specifically relating to the Qualifying  
17 Facilities ("QF")/Combined Heat and Power ("CHP") Settlement adopted in  
18 D.10-12-035?

19 A 19 Yes. The DA/CCA Parties suggest that the opt-out mechanisms should be  
20 applicable to all CAM procurement including CAM charges imposed  
21 pursuant to D.06-07-029, D.10-12-035 and any other Commission decision  
22 that imposes a non-bypassable charge for IOU procurement.<sup>20</sup>

23 Applying such an opt-out provision to procurement entered into under the  
24 QF/CHP Settlement ("Settlement") approved in D.10-12-035 may impact the  
25 IOUs' ongoing procurement of CHP resources.

26 The QF/CHP Settlement provided for one of two alternatives for  
27 allocating CHP procurement costs primarily to all ESPs and CCAs.<sup>21</sup>  
28 Based on comments filed by DA/CCA representatives at that time, PG&E  
29 understood that some ESPs and CCAs not want to procure CHP

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19 DA/CCA Parties Direct Testimony, p. 58, lines 20-23.

20 DA/CCA Parties' Direct Testimony, p. 34. PG&E interprets the DA/CCA Parties' citation at lines 19-20 of "D.11-12-035" to D.10-12-035, decision adopting the QF/CHP Settlement.

21 Settlement Term Sheet, Sections 13.1.2, 13.1.2.1 and 13.1.2.2



1 resources, or may be unable to be competitive if<sup>22</sup> that is so.  
2 Commission's decision to have the IOUs procure CHP on behalf of the  
3 DA/CCA customers impacted the CHP targets agreed to under the Settlement  
4 and the IOU's ongoing CHP procurement strategy.

5 Any change to the cost recovery structure for the CHP Program at this  
6 point would add substantial complexity and possibly alter the balance of  
7 benefits and burdens agreed to by the settling parties. Further, allowing  
8 opt-out would raise a number of issues not addressed in the DA/CCA  
9 Parties' testimony. First, if an LSE or QF/CHP resources, is the IOUs'  
10 megawatt ("MW") target reduced accordingly? If yes, QF/CHP parties may  
11 express concerns. If no, bundled customers may see above market costs  
12 associated with QF/CHP procurement increase. Similar questions may be  
13 asked associated with QF/CHP procurement to meet greenhouse gas  
14 ("GHG") emissions reduction targets.

15 Q 20 Do you have any concerns with respect to DA/CCA Parties' proposal for the  
16 timing of LSE opt-out application?

17 A 20 Yes. According to DA/CCA Parties' current testimony, an LSE could submit  
18 the opt-out application any time after Commission decision is approved,  
19 but before the IOU identifies a short list of potential winning bidders in its  
20 Request for Offers ("RFO") process<sup>23</sup>.

21 This approach is problematic due to the uncertainty it would create during  
22 the initial phases of an IOU's planning for an RFO or other procurement  
23 approaches. Once an IOU receives Commission authorization to procure  
24 toward certain targets, it actively engages its internal and external resources  
25 to meet those targets. Any LSE opt-out could potentially change the IOU  
26 targets, necessitating a shift in the IOU's procurement strategy.

27 Q 21 Would there be additional administrative complexity to implement the  
28 Opt-Out mechanism?

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22 See e.g. Opening Comments of Shell Energy North America (US), L.P. on the Qualifying  
Facility and Combined Heat and Power Program Settlement Agreement filed  
October 25, 2010, at p. 7 (noting that ESRs may not have the ability to  
procure CHP resources).

23 DA/CCA Parties' Direct Testimony, p. 56.

1 A 21 Yes, implementation of the DA/CCParties' Opt-Out proposal would add  
2 significant administrative complexity, both for the Commission and the IOU  
3 For example, the DA/CCParties propose each non-IOU LSE would have  
4 the option to apply for an opt-out each time the Commission issues a decision  
5 approving the need for CAM procurement by an IOU, including procurement  
6 to meet obligations under the QF/CHP Settlement. Conceivably, for this  
7 procurement, some LSE's would opt and some would not. Tracking the  
8 opt-outs, and the impact of each different opt-out on CAM charges on a  
9 resource-by-resource basis would be an administrative challenge for both the  
10 Commission and the IOUs.

11 The DA/CCParties also suggested different opt-out options, chosen  
12 at the election of the ESP or CCA. Optionality will allow each ESP or  
13 CCA to maximize their ability to opt-out and select the option that minimizes  
14 cost for their customers, further shifting costs to remaining bundled  
15 customers by increasing the residual quantity allocated back to bundled  
16 customers. Tracking which ESP or CCA elected each option, and verifying  
17 the necessary calculations to ensure that each ESP or CCA has met the  
18 conditions for each opt-out, for each IOU procurement, would add  
19 significant administrative burden for the Commission.

20 Finally, if the Opt-Out applied to QF/CHP obligations, any ESP  
21 exercising an Opt-Out option would file a QF/CHP compliance  
22 report, similar to the IOU-filed reports. This imposes an additional  
23 administrative burden on the CPUC. Current CAM-related rate (the New  
24 System Generation Charge or "NSGC") varies by customer class. The  
25 Opt-Out proposal would make it necessary to create different NSGC rates by  
26 class for each ESP or CCA in their service territory based on which  
27 contracts each LSE exercised an Opt-Out option. This kind of contract by  
28 contract and ESP by ESP rate making would require significant additional  
29 resources to implement and for the Commission to track.

30 Q 22 Do you have any final observations regarding the DA/CCParties' CAM  
31 proposals?

32 A 22 Yes. In response to a PG&E data request, the DA/CCParties confirmed  
33 that their proposals are prospective that only the only effect on previously  
34 approved CAM projects would be on the calculation of the net capacity costs

1 in future years.<sup>24</sup> The DA/CCParties also confirmed that “[t]o the extent  
2 that agreements entered into under the Qualifying Facility and Combined  
3 Heat and Power (“QF/CHP”) Settlement approved in D.10-12-035 are subject  
4 to CAM cost recovery treatment, we would intend our proposal to apply  
5 prospectively to those contracts.<sup>25</sup>

6 For the reasons above, the DA/CCParties’ proposed changes to the  
7 CAM mechanisms should be rejected together. In any event, any adopted  
8 changes should not be applied retroactively. If an opt-out option is  
9 nonetheless considered, any DA/CCParties’ used to support an opt-out  
10 must have the attributes specified by the Commission as needed to meet the  
11 identified LCR or system need. Resources without those attributes cannot be  
12 considered to fulfill these requirements, and no LSE should be allowed to  
13 opt-out based on access to resources without the needed attributes. Among  
14 many other things, this would require demonstration of a 10-year or longer  
15 resource commitment by the LSE opting out of CAM when it is opting out of  
16 new or repowered generation commitments made by the IOU (unless the  
17 resource it is being provided in place of has a shorter commitment period).

18 If an opt-out provision is to be considered, there must be a specific,  
19 limited window of time during which the opt-out provision would be  
20 available, for example, three months after the Commission authorizes  
21 CAM-eligible procurement. The timing window would start after the  
22 Commission’s authorization to meet LCR or system need, and end after a  
23 fixed period of time.

24 PG&E does not believe that a CAM opt-out approach is workable, or that  
25 it would work in a manner that would be fair to bundled customers, or  
26 maintain reliability. Opt-out will substantially increase the administrative  
27 burden for IOUs and the Commission, may adversely impact reliability, and  
28 will impose additional burden to bundled customers. Opt-out should be  
29 rejected.

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24 DA/CCParties’ response to Question 1 of PG&E Data Request No. PGE\_Joint\_001, is included in this testimony as Attachment 2.

25 DA/CCParties’ response to Question 2 of PG&E Data Request No. PGE\_Joint\_001, is included in this testimony as Attachment 3.

1 D. The Commission Should Not Establish a Combined Heat and Power  
2 "Set-Aside" as a Part of This Proceeding

3 Q 23 The California Cogeneration Council (CCC) states that "[i]f the state is  
4 serious about its CHP goals, the only way to achieve them is to maintain a  
5 place in the IOUs' portfolios for CHP, as determined in these LTPP  
6 proceedings. This includes assuming that CHP can meet both local and  
7 system capacity needs. Otherwise, the IOUs will eliminate the need for CHP  
8 by filling that need with conventional resources and then arguing there is no  
9 need for further CHP resources.<sup>26</sup> Do you agree with CCC's position?

10 A 23 No, PG&E does not agree with CCC's position that it is necessary to  
11 "maintain a place in the IOUs' portfolio for CHP" if, by this, CCC intends  
12 establish an additional CHP set-aside procurement target above and  
13 beyond what was agreed to in the QF/CHP Settlement and approved by the  
14 Commission in D.10-12-035.

15 The CAISO's testimony presented in this proceeding, and discussed by  
16 CCC, provides estimates of the amount and type of capability needed in the  
17 system. If CHP resources can provide the desired attributes and can do so  
18 in a cost-effective and environmentally sound manner when compared to  
19 other alternatives then CHP will be selected to meet the resource need.

20 CHP is already brought into the IOU portfolio in several ways and does  
21 not need an additional set-aside. Existing programs that support CHP  
22 include the QF/CHP Settlement, Assembly Bill 1613, Public Utility  
23 Regulatory Policies Act ("PURPA"), PURPA QFs less than 20 MW, and the  
24 Self-Generation Incentive Program. These programs offer CHP facilities of  
25 all sizes a preferred procurement process. The IOUs' obligation to purchase  
26 CHP under the CHP Program is clearly defined in the QF/CHP Settlement's  
27 Term Sheet. PG&E supports the QF/CHP Settlement and recommends that  
28 existing programs be given a chance to demonstrate success in achieving the  
29 state's policy goals prior to considering any additional CHP preference  
30 through the LTPP process.

31 Q 24 CCC states that CHP units can provide a measure of flexibility (p. 12),  
32 is PG&E's view?

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<sup>26</sup> CCC, Direct Testimony, p. 14.

1 A 24 CCC observes that most CHP faces flexibility limitations due to thermal  
2 energy production requirements.<sup>27</sup> In order to meet the efficiency  
3 requirements in the QF/CHP Settlement, the California Energy Commission's  
4 ("CEC") efficiency standards for the CHP Feed-In Tariff ("FIT"), and the  
5 efficiency requirements of the Self-Generation Incentive Program ("SGIP"),  
6 CHP units operate to serve the thermal load. However, PG&E believes that  
7 a market is established for flexibility products, CHP may be able to supply  
8 these products. Fair competition between flexible CHP and other resources  
9 supplying these products is desirable. Flexibility procurement should be  
10 technology neutral.

11 Local RFOs and related procurement should focus on the operating  
12 attributes needed to provide reliable and cost-effective service to the local  
13 area. CHP should be allowed to participate in these local area procurement  
14 processes and evaluated based on their ability to support cost-effective local  
15 area reliability. PG&E cautions against planning to use CHP resources to  
16 meet a local area reliability need without a careful analysis of CHP's  
17 flexibility limitations.

18 E. The Commission Should Not Establish a Storage "Set-Aside" as a Part of  
19 This Proceeding

20 Q 25 What is your understanding of the California Energy Storage Alliance  
21 ("CESA") recommendations in its Track 1 testimony?

22 A 25 CESA makes three main recommendations. First, CESA recommends that  
23 "[t]he Commission's long-term procurement planning assumptions should  
24 begin including energy storage immediately" and "a very strong emphasis on  
25 energy storage in all planning scenarios." Second, CESA proposes that  
26 "[t]he Commission should focus on assumptions needed to model the  
27 performance, costs, and benefits of energy storage." Third,  
28 CESA recommends that the Commission adopt a multi-year procurement  
29 mechanism that includes energy storage. CESA explains that "the  
30 Commission should develop processes for multi-year procurement that

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27 CCC Direct Testimony, p. 12.

28 CESA Direct Testimony, p. 7-9.

29 CESA Direct Testimony, p. 12-14.

1 provide reasonable rates of return for energy storage investments, including  
2 industry infrastructure and individual projects.”

3 Q 26 Could you explain PG&E's position on CESA's recommendations?

4 A 26 Yes. CESA's first and second recommendations are more focused on  
5 Track 2, the system need determination track of this proceeding. To the  
6 extent that CESA raises some or all of these topics in the future in Track  
7 PG&E may respond to them there.

8 With respect to Track 1, CESA has presented nothing to suggest that the  
9 CAISO's Track 1 analysis has erred in its treatment of storage. PG&E has  
10 objection to consideration of energy storage as one of the alternatives  
11 available to meet the local capacity need identified in Track 1. However,  
12 PG&E would oppose adoption of any preference or "set aside" for storage  
13 resources in Track 1.

14 CESA's third recommendation for a multi-year procurement process is  
15 outside the scope of Track 1. Multi-year procurement requirements are the  
16 subject of Track 2.<sup>31</sup> Also related to the issues raised by CESA, the  
17 Commission has indicated that it will "immediately begin the effort to  
18 finalize a framework for filling flexible capacity needs" in the ongoing  
19 resource adequacy rulemaking.<sup>32</sup>

20 PG&E supports the adoption of a multi-year procurement requirement for  
21 LSEs to meet their projected reliability and flexibility requirements.  
22 PG&E, however, does not support the adoption of an energy storage  
23 procurement requirement, as CESA proposes. In general, set-asides increase  
24 costs for ratepayers and should be avoided. The actual selection of resources  
25 to meet a forward procurement requirement should be done through a  
26 competitive procurement process that enables all resources and all  
27 technologies, including storage, to compete on an equal footing to meet the  
28 resource identified need in Track 2.

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30 CESA Direct Testimony, p. 14-16.

31 May 17, 2012 Scoping Memo Assigned Commissioner Ruling of Assigned  
Commissioner Administrative Law Judge at p. 12.

32 D.12-06-025, p. 20.

1 F. The CAISO's Treatment of Incremental Energy Efficiency, Demand  
2 Response, Combined Heat and Power and Demand, Which Several Parties  
3 Criticized in Their Testimony, is not a Basis for Evaluating Local Capacity  
4 Needs

5 Q 27 In their testimony, several parties argue that the CAISO's Track 1 analysis  
6 fundamentally flawed.<sup>33</sup> Does PG&E agree with these parties' criticisms?

7 A 27 No. PG&E believes that determining local reliability needs requires a  
8 conservative approach, as was taken by the CAISO. Specifically, only those  
9 resources (demand or supply-side) that have a high likelihood of being  
10 realized should be considered. For instance, it is very difficult to predict the  
11 geographic location of energy efficiency ("EE") savings from traditional  
12 programs that are open and available to everyone in the IOUs' service  
13 territories.

14 One modeling approach would be to allocate EE resources, adjusted for  
15 customer class, proportionately across the service territory. However, the  
16 forecast is fairly uncertain. It is very likely that some areas will over  
17 while others will underachieve, relative to the forecast.

18 Because of this, if one were to rely on such forecasts to evaluate local  
19 capacity needs, then local reliability could be seriously compromised.  
20 This same rationale applies to CHP (or customer generation) which is  
21 also driven by customer choice. It is possible to encourage installations  
22 in certain localities (for example the location adder in the CHP FIT), but this  
23 does not guarantee that the resources will appear. At some point it is too late  
24 to procure optimal resources at reasonable costs in order to compensate for  
25 previous planning that assumed local resources that did not materialize.

26 All resources that rely on customer behavior generally have a lead time too  
27 long to be effectively included in local planning. Using a conservative  
28 approach to determine local reliability needs is the more prudent approach  
29 to take for planning and procurement.

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<sup>33</sup> See, e.g. DRADirect Testimony (Peter Spencer) p. 1; TURNDirect Testimony, p. 9.

1 Q 28 Some parties (including TURN) suggest that the CAISO's treatment of  
2 incremental EE, demand response ("DR"), and CHP is inappropriate.<sup>34</sup>  
3 What is PG&E's view?

4 A 28 PG&E's view is that these parties are being too optimistic in their approach  
5 evaluating local resource needs. They are suggesting that Demand-Side  
6 Management ("DSM") resources that are likely to be achieved on a system  
7 basis can also be achieved on a local planning basis. It is unlikely that  
8 will be the case across all areas, and the areas where it will not happen are  
9 unknown. There is significant variation with how DSM resources are  
10 adopted across an IOU's service territory. Including these savings without  
11 significant reductions to account for potential shortfalls could put local  
12 reliability at increased risk.

13 It is too optimistic at this time to simply assume that 100 percent of  
14 incremental EE, DR and CHP can be counted on at the Local Capacity Area  
15 ("LCA") level.

16 PG&E suggests that if more optimistic assumptions are included,  
17 reductions should be made to account for the risks of the savings not  
18 materializing in the LCA.

19 Several parties<sup>35</sup> mention one or more of the following proposals:  
20 (1) the 12,000 MW renewable Distributed Generation goal; or (2) the  
21 6,500 MW CHP goal from the Governor's Clean Energy Jobs Plan. None of  
22 these proposals have been fully described or defined, nor have they been  
23 evaluated for cost effectiveness compared to other options. All of them,  
24 at this point, are aspirations whose fulfillment will require future action  
25 by utilities, private parties, and regulators, that may or may not actually  
26 occur. At this time these potential resources do not fully meet the standard  
27 "cost-effective, reliable, and feasible" in Pub. Util. Code, Section 454.5.  
28 It would be overly optimistic to assume these levels for these resources in  
29 Commission's evaluation of local capacity needs.

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34 TURNDirect Testimony at p 9.

35 See, e.g., DRADirect Testimony (Peter Spence) at pp. 28-10; California Cogeneration Council ("CCC") Testimony at California Environmental Justice Alliance Comment at pp. 3, 23 and 26.



1 Q 29 The California Environmental Justice Alliance (“CEJA”) suggests that the  
2 CAISO is inappropriately relying on a 1-in-10 demand scenario.<sup>36</sup>  
3 Does PG&E agree?

4 A 29 No. The CAISO’s use of a 1-in-10 demand scenario to determine local  
5 capacity needs is a reasoned, conservative approach. CEJA does not  
6 elaborate as to why it believes this to be inappropriate. It is not. Load  
7 projections should be adequate to present a range of resource need that  
8 might occur. The CAISO’s use of a 1-in-10 peak load scenario is consistent  
9 with this approach. The CAISO needs to ensure the system will be reliable  
10 under a variety of possible future states, most importantly a high load stress  
11 condition. In addition, the CAISO’s 1-in-10 forecast for local studies  
12 is appropriate because local regions may well experience a 1-in-10 peak load

13 G. There Should Be No A Priori Presumption That Any Need Identified in This  
14 Track Will Be Met With Fossil-Fuel Powered Resources

15 Q 30 Both CEJA and DRAD propose that the CAISO’s modeling will lead to an  
16 over-procurement of fossil-fuel resources.<sup>37</sup> Does PG&E agree with these  
17 parties’ comments?

18 A 30 No. There should be no presumption that resource need will be met with  
19 fossil-fuel powered resources. Other resources should also be given the  
20 opportunity to meet any identified needs.

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36 CEJADirect Testimony (Bill Powers) at p. 32.

37 CEJADirect Testimony at p 30; DRADirect Testimony at p. 2.

**PACIFIC GAS AND ELECTRIC COMPANY**  
**ATTACHMENT 1**

*Southern California Edison*  
2012 LTPP R.12-03-014

**DATA REQUEST SET PGE-SCE-001**

**To:** PG&E

**Prepared by:** Colin E. Cushnie

**Title:** Director, Energy Planning

**Dated:** 06/27/2012

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**Question 01.a:**

- Q 1: At p. 2, SCE's testimony says that "[i]n the absence of a multi-year forward procurement mechanism that can secure generation capacity to meet the identified LCR need and fairly allocate costs to all LSEs, SCE proposes that the Commission authorize SCE to procure new LCR generation needed in the LA Basin area on behalf of all system customers." Regarding this statement,
- a. Please explain what SCE means by "all system customers." In particular, please identify (1) which customers, (ii) in which service areas outside of SCE's service area, and (iii) whether within or outside of the CAISO.

**Response to Question 01.a:**

The subject statement's reference to "all system customers" pertains to all customers served by SCE's electrical system, and is limited to procurement of new generation capacity intended to meet CPUC-authorized LCR need in SCE's service territory. SCE is not proposing to allocate contract costs associated with procurement to meet LCR needs in SCE's service territory to customers outside of SCE's service territory.

**PACIFIC GAS AND ELECTRIC COMPANY**  
**ATTACHMENT 2**

Recipient:	Alliance for Retail Energy Markets (AREM), Direct Access Customer Coalition (DACC) and Marin Energy Authority (MEA)
PG&E Data Request No.:	PGE_JOINT_001
PG&E File Name:	LongTermProcure2012-OIR_DR_PGE_Joint001-Q01-Q07
Request Date:	July 3, 2012
<b>Due Date:</b>	July 18, 2012

Q 1: Do your proposals regarding the Cost Allocation Methodology (“CAM”) in the Track 1 testimony of Sue Mara and Mark Fulmer have any impact or effect on PG&E’s recovery and/or allocation of costs associated with the Marsh Landing Power Purchase Agreement (“PPA”) approved in D.10-07-045?

**Witnesses: Ms. Mara and Mr. Fulmer**

**RESPONSE: We intend our proposal to apply prospectively. The only effect on previously-approved CAM projects would be on the calculation of the net capacity costs in future years. The proposal would not impact PG&E’s overall cost recovery for Marsh Landing, only the CAM amounts.**

- a. If your response is anything other than an unequivocal “No”, describe in detail how your proposals would or could impact or effect the recovery and/or allocation of costs associated with the Marsh Landing PPA.

**RESPONSE: See answer to Question 1.**

- b. Are you proposing any change or modification to the calculation of net capacity costs included in the III.D of the Partial Settlement Agreement approved in D.10-07-045 for the Marsh Landing PPA? If your response is anything other than an unequivocal “No”, describe in detail the proposed change(s) or modification(s).

**RESPONSE: Yes. Mr. Fulmer recommends improvements to the calculation of net capacity costs on pages 34-50 of his testimony.**

- c. Are you proposing that Load-Serving Entities (“LSEs”) be able to opt-out of the cost recovery and/or allocation of net capacity costs included in the Partial Settlement Agreement approved in D.10-07-045 for the Marsh Landing PPA? If your response is anything other than an unequivocal “No”, describe in detail your proposal as to when and under what conditions LSEs could opt-out.

**RESPONSE: No. The proposal is prospective, as discussed on pages 54-55 of Ms. Mara’s testimony.**

**PACIFIC GAS AND ELECTRIC COMPANY**  
**ATTACHMENT 3**

Recipient:	Alliance for Retail Energy Markets (AReM), Direct Access Customer Coalition (DACC) and Marin Energy Authority (MEA)
PG&E Data Request No.:	PGE_JOINT_001
PG&E File Name:	LongTermProcure2012-OIR_DR_PGE_Joint001-Q01-Q07
Request Date:	July 3, 2012
<b>Due Date:</b>	July 18, 2012

Q 2: Do your proposals regarding the CAM in the Track 1 testimony of Sue Mara and Mark Fulmer have any impact or effect on PG&E's recovery and/or allocation of costs associated with agreements entered into under the Qualifying Facility and Combined Heat and Power ("QF/CHP") Settlement approved in D.10-12-035?

**Witnesses: Ms. Mara and Mr. Fulmer**

**RESPONSE: To the extent that agreements entered into under the Qualifying Facility and Combined Heat and Power ("QF/CHP") Settlement approved in D.10-12-035 are subject to CAM cost recovery treatment, we would intend our proposal to apply prospectively to those contracts. The only effect on previously-approved CAM projects would be on the calculation of the net capacity costs in future years. The proposal would not impact PG&E's overall cost recovery of QF/CHP contracts, only the CAM amounts.**

- a. If your response is anything other than an unequivocal "No", describe in detail how your proposals would or could impact or effect the recovery and/or allocation of costs associated with agreements entered into under the QF/CHP Settlement.

**RESPONSE: See answer to Question 2.**

- b. Are you proposing any change or modification to the calculation of net capacity costs included in Section 13.1.2.2 of the Term Sheet that was included in the QF/CHP Settlement? If your response is anything other than an unequivocal "No", describe in detail the proposed change(s) or modification(s).

**RESPONSE: No. That section of the Term Sheet contains no details on how the net capacity costs would be calculated. Pages 34 through 50 of Mr. Fulmer's testimony recommends specific changes to the calculation of net capacity costs that would apply to CAM allocations for QF/CHP contracts going forward.**

- c. Are you proposing that Load-Serving Entities ("LSEs") be able to opt-out of the cost recovery and/or allocation of net capacity costs included in Section 13 of the Term Sheet that was included in the QF/CHP Settlement? If your response is anything other than an unequivocal "No", describe in detail your proposal as to when and under what conditions LSEs could opt-out.

**Witness: Ms. Mara**

**RESPONSE: Yes. An LSE would be permitted to opt-out of the cost recovery and/or allocation of net capacity costs included in the QF/CHP Settlement**

**provided the ESP or CCA requested the opt-out in accordance with the timing specified on page 56 of Ms. Mara's testimony. The precise requirements applicable to such an opt-out would be determined by the Commission.**



**PACIFIC GAS AND ELECTRIC COMPANY**  
**APPENDIX A**  
**STATEMENTS OF QUALIFICATIONS**

1                                   **PACIFIC GAS AND ELECTRIC COMPANY**  
2                                   **STATEMENT OF QUALIFICATIONS OF**  
3                                   **JANICE FRAZIER-HAMPTON**

4    Q 1    Please state your name and business address.

5    A 1    My name is Janice Frazier-Hampton, and my business address is Pacific Gas  
6            and Electric Company, 245 Market Street, San Francisco, California.

7    Q 2    Briefly describe your responsibilities at Pacific Gas and Electric Company  
8            ("PG&E").

9    A 2    I am director of Integrated Resource Planning within the Energy Policy,  
10           Planning and Analysis Department of PG&E's Energy Procurement  
11           organization. My department is responsible for long-term planning for  
12           energy procurement.

13   Q 3    Please summarize your educational and professional background.

14   A 3    I have a bachelor of business administration degree in finance from Northeast  
15           Louisiana University, Monroe, LA, and a master of business administration  
16           degree with a concentration in finance from Golden Gate University,  
17           San Francisco.

18           I joined PG&E in 1982 and have held various positions of increasing  
19           responsibility in the Finance, Regulatory Relations and Energy Procurement  
20           organizations. I was promoted to director in 2001. I assumed my current  
21           position in March 2010.

22   Q 4    What is the purpose of your testimony?

23   A 4    I am sponsoring Questions/Answers 1-12 and 23-30 of PG&E's Reply  
24           Testimony.

25   Q 5    Does this conclude your statement of qualifications?

26   A 5    Yes, it does.

1                                   **PACIFIC GAS AND ELECTRIC COMPANY**  
2                                   **STATEMENT OF QUALIFICATIONS OF RICK MARTYN**

3    Q 1    Please state your name and business address.

4    A 1    My name is Rick Martyn, and my business address is Pacific Gas and Electric  
5            Company, 245 Market Street, San Francisco, California.

6    Q 2    Briefly describe your responsibilities at Pacific Gas and Electric Company  
7            (“PG&E”).

8    A 2    I am a principal in Long Term Energy Policy within the Energy Policy,  
9            Planning and Analysis Department of PG&E’s Energy Procurement  
10           organization.

11   Q 3    Please summarize your educational and professional background.

12   A 3    I have a bachelor of arts degree in economics from the University of  
13            California at Santa Cruz.

14            I joined PG&E in 1992 and have held positions of increasing  
15            responsibility in the Regulatory and Energy Procurement organizations. I  
16            assumed my current position in August 2011.

17   Q 4    What is the purpose of your testimony?

18   A 4    I am co-sponsoring Questions/Answers 13-22 of PG&E’s Reply Testimony.

19   Q 5    Does this conclude your statement of qualifications?

20   A 5    Yes, it does.

1                                   **PACIFIC GAS AND ELECTRIC COMPANY**  
2                                   **STATEMENT OF QUALIFICATIONS OF RAY D. WILLIAMS**

3    Q 1     Please state your name and business address.

4    A 1     My name is Ray D. Williams, and my business address is Pacific Gas and  
5            Electric Company, 245 Market Street, San Francisco, California.

6    Q 2     Briefly describe your responsibilities at Pacific Gas and Electric Company  
7            ("PG&E").

8    A 2     I am a director within the Energy Policy, Planning and Analysis Department  
9            of PG&E's Energy Procurement organization. I oversee the team responsible  
10           for a number of long term energy policy planning matters.

11   Q 3     Please summarize your educational and professional background.

12   A 3     I graduated from Clark University in 1975 with a bachelor of arts degree in  
13            geography and from Stanford University in 1981 with a master of science  
14            degree in civil engineering. From 1975 to 1979, I was employed by the  
15            Massachusetts Executive Office of Environmental Affairs.

16            I began work with PG&E in 1981. In June 2004, I became a director  
17            supporting regulatory activities and policy development related to long-term  
18            energy policy and procurement, including PG&E's policies regarding  
19            greenhouse gas policy development and implementation.

20   Q 4     What is the purpose of your testimony?

21   A 4     I am co-sponsoring Questions/Answers 13-22 of PG&E's Reply Testimony.

22   Q 5     Does this conclude your statement of qualifications?

23   A 5     Yes, it does.