

## Risk Reward Incentive Mechanism Rehearing – R.09-01-019

Energy Division Data Response #2

March 8, 2016

Intro: PG&E, SCE, and SDG&E/SCG submitted data requests to the Energy Division for the 2006-2008 Risk Reward Incentive Mechanism Rehearing. In an effort to ensure all parties have equal access to both the requested information and the responses, Energy Division requests the IOU's to post these responses on their respective web sites and distribute the link to all parties in R. 09-01-019.

#	Requesting Party	Question	Response
1	PGE	<p><b>2006-2008 Upstream Lighting Report</b></p> <p>2.1. NTG for CFLs. PG&amp;E requires the following information to review the net-to-gross (NTG) values employed for the Upstream Lighting Program.</p> <p>2.1.1. Please provide details on the methodologies used to combine the NTG values, including any data weights for each method used to derive the final IOU-specific NTG values for the Upstream CFL program. Please include documentation of dropped scores, as well as the individual evaluator's assumptions on the selection of weights used to derive the final NTG</p>	<p>2.1.1 The methodology for the NTG values is described in detail in Section 8.10, 8.11, 8.12 and 8.13 of Appendix B of the Final Upstream Lighting Evaluation report:</p> <p><a href="http://www.energydataweb.com/cpucFiles/18/FinalUpstreamLightingEvaluationReport_2.pdf">http://www.energydataweb.com/cpucFiles/18/FinalUpstreamLightingEvaluationReport_2.pdf</a></p> <p>To answer this question involving the "individual evaluator's assumptions" would require detailed interviews with the evaluators conducting the study at that time.</p>

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		values.	
2	PGE	<p><b>2006-2008 Upstream Lighting Report</b></p> <p>2.2. CFL Res/Non-Res Split Ratio. PG&amp;E needs the following information to review the believes that the assumptions regarding the portion of incented CFLs going to residential use versus non-residential use (the residential/non-residential split).</p> <p>2.2.1. Please provide the raw data underlying the residential and non-residential on-site surveys as well as detailing the process by which the raw data was used to develop the Res/Non-res split ratio. The process discussion should include details on any data dropped from the final assessment and reasons for discarding individual data points.</p>	<p>2.2.1 The detail describing the res/non-res split can be found in section 8.2.2.4 of the Final Upstream Lighting Evaluation Report:</p> <p><a href="http://www.energydataweb.com/cpucFiles/18/FinalUpstreamLightingEvaluationReport_2.pdf">http://www.energydataweb.com/cpucFiles/18/FinalUpstreamLightingEvaluationReport_2.pdf</a></p> <p>We are working on getting the raw data underlying the residential and non-residential on-site surveys.</p>
3	PGE	<p><b>2006-2008 Upstream Lighting Report</b></p> <p>2.3. CFL Interactive Effects. Please provide the following information for PG&amp;E to review the</p>	<p>2.3.1 The process for using interactive effects is described in section B of Appendix A-J of the 2006-2008 Energy Efficiency Evaluation Report:</p>

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		<p>interactive effects assumptions used by the Energy Division to calculate goal attainment and performance earnings basis (PEB).</p> <p>2.3.1. Please provide the detailed assumptions and input values and the model used to estimate negative therm interactive effects for both the initial estimates and alterations made subsequent to 2008.</p>	<p><a href="http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6416">http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6416</a></p> <p>The interactive effects values are posted on the CPUC's site for the 2006-2008 Energy Efficiency Evaluation report:</p> <p><a href="http://www.cpuc.ca.gov/General.aspx?id=4288">http://www.cpuc.ca.gov/General.aspx?id=4288</a></p> <p>Direct link to the file:</p> <p><a href="http://www.edcentralserver.com/ERT/B.%20%20HVAC%20Interactive%20Effects.zip">http://www.edcentralserver.com/ERT/B.%20%20HVAC%20Interactive%20Effects.zip</a></p>
4	PGE	<p><b>2006-2008 Upstream Lighting Report</b></p> <p>2.3.2. Please provide any preliminary results from any ongoing ED evaluation of negative therm interactive effects.</p>	<p>The current 2013-2014 study on interactive effects will be released in Q1 2016.</p>

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5	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing; PG&amp;E Agricultural and Food Processing Program; Greenhouse Heat Curtain and Infrared Film Measures; - 2006-2008 Evaluation Report for the Southern California Industrial and Agricultural Contract Group; Specialized Commercial Contract Group Programs; Major Commercial Contract Group; - Small Commercial Contract Group</b></p> <p>3.1 Please provide a list of the evaluated projects used in each strata and the sample weights for the strata used in each study to expand to the entire custom population.</p>	<p>Using the PG&amp;E Fabrication, Process, and Manufacturing report as an example, the site reports seem to be posted publicly on the <a href="#">Public Document Area</a> (PDA). Please review the PDA for the rest of the reports first (these are zip files but I re-created the direct link for your convenience):</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_001-046.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_001-046.zip</a></p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_047-090.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_047-090.zip</a></p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_091-135.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Appendix_D_Site_Reports_091-135.zip</a></p> <p>To search the PDA, select “2006-2008” for Portfolio Cycle for enter part of the contract group name in the search text box.</p>

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6	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing; PG&amp;E Agricultural and Food Processing Program; Greenhouse Heat Curtain and Infrared Film Measures; - 2006-2008 Evaluation Report for the Southern California Industrial and Agricultural Contract Group; Specialized Commercial Contract Group Programs; Major Commercial Contract Group; - Small Commercial Contract Group</b></p> <p>3.2 For projects where NTGR assessments were done but there is no accompanying FSR (final site report), please explain how the scores were derived.</p>	<p>Using the Major Commercial report as an example, it seems section 3 of the final evaluation report explains the NTG methodology, sampling, data sources, and scoring algorithm from pages 57 – 75. There are also “Net Evaluation Procedures” found on pages 83-85. Also, there is a “Methodological Framework for Using the Self-Report approach to estimating Net-To-Gross Ratios for Nonresidential customers on pages 86-112. Please review the <a href="#">PDA</a> for the other reports for NTGR methods.</p> <p>To find the Major Commercial report, go to:  <a href="http://www.energydataweb.com/cpuc/search.aspx">http://www.energydataweb.com/cpuc/search.aspx</a></p> <p>Select 2006-2008 for “Portfolio Cycle”</p> <p>Enter <i>major</i> in the “Search Text” Box and click Search</p> <p>Download the.exe file titled</p>

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			"Final_0608_Major_Evaluation_Report_021010"
7	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing; PG&amp;E Agricultural and Food Processing Program; Greenhouse Heat Curtain and Infrared Film Measures; - 2006-2008 Evaluation Report for the Southern California Industrial and Agricultural Contract Group</b></p> <p>PG&amp;E believes that the 2006-2008 net savings estimates may be incorrect. PG&amp;E seeks a clear understanding of how the evaluators converted the results of the sampled projects into population-wide, NTGR values, and seeks additional details from the evaluators on the sampling domains and weights used to develop population-wide NTGR estimates. After the NTGR are recalculated, the new net savings would be determined.</p> <p>4.1 Please provide full details on the sampling domains and sample weights used to develop the population-wide NTGR estimates. Also, please detail any and all NTG estimates that were dropped or</p>	<p>The IOU's had an opportunity to raise issues are the NTG values when these reports were first published. The evaluators responded to each issue raised in comments. For example, please see Appendix F of the 2006-2008 Evaluation Report for the PG&amp;E Fabrication, Process, and Manufacturing contract group:</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/Appendix_F_Responses_to_Comments.pdf">http://www.energydataweb.com/cpucFiles/topics/4/Appendix_F_Responses_to_Comments.pdf</a></p> <p>As well as Appendix E of the 2006-2008 Evaluation Report for the Southern California Industrial and Agricultural Contract group:</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/2/Appendix_E_Responses_to_Comments_Received_on_Draft_Report.pdf">http://www.energydataweb.com/cpucFiles/topics/2/Appendix_E_Responses_to_Comments_Received_on_Draft_Report.pdf</a></p>

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		<p>otherwise altered by Commission staff or consultants and include identifiers for the individual(s) making the change, as well as the reasoning behind the change.</p>	
8	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing</b></p> <p>PG&amp;E believes the gross and net kW and kWh savings estimates for 2006-2008 Pump-off-controllers (POCs) should be increased significantly, as the methods and data used were incorrect. PG&amp;E seeks the following data from the 2006-08 evaluation consultants to re-estimate energy and demand savings.</p> <p>5.1. Please provide the evaluator’s population list of PG&amp;E pump-off controllers (POCs) applications, their individual kW and kWh savings claims, and total wells with POCs per application.</p>	<p>First please see Appendix F of the 2006-2008 Evaluation Report for PG&amp;E Fabrication, Process and Manufacturing contract group. There was a substantive discussion about Pump-off controllers and it appears a lot of data was exchanged during the review period:</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/Appendix F Responses to Comments.pdf">http://www.energydataweb.com/cpucFiles/topics/4/Appendix F Responses to Comments.pdf</a></p>
9	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing</b></p> <p>5.2. Please provide all the details of the original</p>	<p>It appears that Appendix A, Additional Sample Information, provides the details of the sampling plan used for the 2006-2008 PG&amp;E Fabrication,</p>

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		sample plan, indicating primary and back-up sample points, and indicating the final achieved sample distribution.	Process, and Manufacturing contract group. Please review this file on the PDA. A direct link to the .zip file is provided here for your convenience:  <a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip</a>
10	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing</b></p> <p>5.3. Please provide a data dictionary for Tier classification and distribution of wells in the population and for all the oil wells with POCs that the evaluation monitored.</p>	<p>This request requires more discussion between the evaluator and the requesting party.</p> <p>Please be sure that you have reviewed Appendix E_Supplementary POC Gross Impact Methods and Results from the 2006-2008 PG&amp;E Fabrication, Process, and Manufacturing contract group posted on the PDA.</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip</a></p>



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11	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing</b></p> <p>5.4. Please provide a list of the POC wells in the 2006-2008 population and in the sample that had steam injection in the oil field.</p>	<p>This request requires more discussion between the evaluator and the requesting party, to be sure the information hasn't already been provided.</p> <p>Please be sure that you have reviewed Appendix E_Supplementary POC Gross Impact Methods and Results from the 2006-2008 PG&amp;E Fabrication, Process, and Manufacturing contract group posted on the PDA.</p> <p><a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip</a></p>
12	PGE	<p><b>2006-2008 PG&amp;E Fabrication, Process, and Manufacturing</b></p> <p>5.5. Please provide a table including the SCADA (supervisory control and data acquisition) yearly runtime hours by well (for both the sample you measured and for the population of wells with POCs).</p>	<p>This request requires more discussion between the evaluator and the requesting party, to be sure the information hasn't already been provided.</p> <p>Please be sure that you have reviewed Appendix E_Supplementary POC Gross Impact Methods and Results from the 2006-2008 PG&amp;E Fabrication,</p>

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			Process, and Manufacturing contract group posted on the PDA.  <a href="http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip">http://www.energydataweb.com/cpucFiles/topics/4/PG&amp;E_Fab_Final_Report_Appendices.zip</a>