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Sent: 2/26/2010 3:57:55 PM
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Subject: Prescriptive Whole House Retrofit Program Workpaper

Peter:

Per the direction of Cathy Fogel of the Energy Division, please find attached a copy of PG&E's draft work paper for the Prescriptive Whole House Retrofit Program (PWHRP) and an excel workbook that includes:

1. Analysis Summary: Energy Pro results by climate zone, with additional tables explaining the process of scaling the results to match RASS data for California homes

2. Output data summary from Energy Pro

With the understanding that PWHRP must be consistent with the forthcoming release of HERS II software, the enclosed draft provides savings estimates based on current EnergyPRO software. Please consider the following notes during your initial review of the draft:

- Baseline energy use by climate zone is pre-coded in EnergyPRO software;
- The percent of total end-use residential energy consumption attributed to space heating and cooling in EnergyPRO appears to be larger than the percentage estimated in RASS 2004 data;
- The PG&E team is currently working to find a resolution to this discrepancy; and
- This approach is not consistent statewide. This workpaper represents PG&E's approach only.

Based on our work to date we have identified some of the issues with EnergyPRO and the RASS data which lead toward the discrepancies. We believe we can make the necessary adjustments to the data samples to correct the discrepancies. You should note that even with these corrections it may be difficult to obtain the necessary 20% reduction in energy use per household. We may need to revisit adding measures to the package to increase savings.

Please contact us with any questions or if you would like to discuss this draft. <<...>> <<...>>

Sincerely,

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