Proceeding: <u>R.11-02-019</u> Exhibit No.: ______ Date: <u>9-6-2013</u>

PACIFIC GAS AND ELECTRIC COMPANY

PG&E Direct Exhibits



SB_GT&S_0368969





2. Based on Strength Test Pressure Record





2. Based on Strength Test Pressure Record





2. Based on Strength Test Pressure Record





2. Based on Strength Test Pressure Record



| All pressure restoration orders suspended | | | | | |
|---|---|----------------------------------|--|--|--|
| System | Typical Winter Day (5 to 50 days/winter) | Cold Winter Day (1-in-2 year) | Extreme Cold Day toAPD (1-in-10 to 1-in-90 year) | | |
| Peninsula | OK | ОК | High risk of core curtailment of 930 customers (SF Financial District) 100% curtailment of 122 Peninsula noncore customers ~ 240 MW reduction at certain critical power plants | | |
| San Jose/Morgan Hill/Gilroy | OK | ОК | 50% curtailment of 60 South Bay noncore customers ~ 430 MW reduction at certain critical power plants | | |
| East Bay | ОК | ОК | 50% curtailment of 85 East Bay noncore customers ~ 260 MW reduction at certain critical power plants | | |
| Central Coast | ОК | ОК | 50% curtailment of 84 Central Coast noncore customers ~330 MW reduction at certain critical power plants | | |

Note: Above is one curtailment option to illustrate magnitude of impact. Further review and input from the ISO and others are required to develop a curtailment plan.



Pipeline MAOP Validation Timeline



1. HCA miles includes pipelines in Class Location 3 & 4, and HCA Class 1 & 2



Oct 2011 Process



Steps with Errors

7

1. In accordancewith PG&E's historic material specifications

Oct 2011 Process



Steps with Errors

8

1. In accordancewith PG&E's historic material specifications



Enhanced Process – December 2011



1. In accordancewith PG&E's historic material specifications



Appendix



| Class Location | Maximum Allowable Operating Stress Level (% SMYS) | | | |
|-------------------|---|---|------------------------------|--|
| | Pre-1971 Class Change | | Post-1971 Class Change | |
| | Strength Test Per 192.611 (1971-1974) | Strength Test Per 192.611 (post-1974) | Strength Test Per 192.611 | |
| 2 | 72% | 60% | 72% | |
| 3 | 60% | 50% | 60% | |
| 4 | 50% | 40% | 50% | |