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|-------------------|---|------------------------|
| Application       | : | <u>A.05-12-002</u>     |
| Exhibit Number    | : | <u>DRA-16</u>          |
| Commissioner      | : | <u>Bohn</u>            |
| Admin. Law Judges | : | <u>Kenney, Econome</u> |
| Witness           | : | <u>Ayanruoh</u>        |



**DIVISION OF RATEPAYER ADVOCATES  
CALIFORNIA PUBLIC UTILITIES COMMISSION**

**Report on the Results of Operations  
Electric and Gas Distribution  
Electric Generation  
for  
Pacific Gas and Electric Company  
  
General Rate Case  
Test Year 2007  
  
Depreciation Expenses and Reserve**

San Francisco, California  
April 14, 2006

# DEPRECIATION EXPENSES AND RESERVE

## I. INTRODUCTION

This exhibit presents DRA's analysis and recommendations on depreciation and amortization expenses for PG&E's electric and gas distribution-related assets, and generation-related assets for the 2007 test year. The depreciation reserve for 2007 is calculated in the Results of Operation (RO) model which incorporates the estimated depreciation expenses and automatically calculates the reserve requirement for the test year.

The rest of this exhibit is organized as follows:

- Section II provides a summary of PG&E's proposals and DRA's recommendations;
- Section III provides detailed discussion and support for DRA's analyses; and
- Section IV provides DRA's conclusions.

## II. SUMMARY OF RECOMMENDATIONS

For 2007, PG&E seeks Commission approval to recover approximately \$990.70 million in rates for depreciation and amortization expenses for its electric and gas distribution operations, and its generation-related plants. Of this amount, \$677.60 million is attributable to electric distribution, \$208.80 million to gas operations, and \$104.30 million to generation-related plants (PG&E-2, p.9-1 and PG&E-3, p.9-2). Compared to the authorized levels, PG&E's request represents an increase of approximately \$278 million (\$198 million for electric, \$28.6 million for gas and \$51 million for generation) and is 34 percent higher than the recorded depreciation expense in 2004. PG&E attributes the \$278 million increase to the net effect of the following factors: (1) negative net salvage is estimated to increase by approximately \$200 million primarily due to the increase in the cost of asset removal for electric and gas operations, (2) the average service lives of depreciable assets for electric and gas operations are projected to be longer, thereby reducing the test year depreciation

1 expense by approximately \$41 million, (3) proposed plant growth for electric and gas  
2 operations is estimated to increase depreciation expense by \$68 million, and (4)  
3 proposed plant growth for generation is estimated to increase by approximately \$51  
4 million.

5 PG&E requests that the Commission adopt a weighted average depreciation  
6 reserve of \$7,189.7 million, \$3,612.6 million and \$8,974.6 million for electric  
7 operations, gas operations and generation-related plants, respectively (PG&E-2, p.9-1  
8 and PG&E-3, p.9-2). PG&E provides an Updated Depreciation Study and new  
9 parameters to supports its request for the increased depreciation expense for electric  
10 and gas operations. The study utilized the Straight-Line Remaining Life method as  
11 prescribed in CPUC Standard Practice U-4. PG&E proposes no changes to the  
12 currently authorized depreciation parameters for generation related assets.

13 The following summarizes DRA's recommendations:

14 **A. Electric Distribution**

- 15 1. The average service lives for depreciable assets that PG&E is  
16 recommending for test year 2007 are reasonable. Therefore, DRA  
17 recommends that they be granted.  
18 2. The net salvage ratios that PG&E is recommending for some of the  
19 accounts should be denied. Instead, DRA recommends that the  
20 Commission adopt DRA's proposed net salvage ratios for a selected  
21 number of accounts later discussed in this chapter. Table 16-2  
22 shows the comparison of net salvage rates between PG&E and DRA.

23 **B. Gas Distribution**

- 24 1. The average service lives for depreciable assets that PG&E is  
25 recommending for test year 2007 are reasonable. Therefore, DRA  
26 recommends that they be granted.  
27 2. DRA agrees with PG&E's proposed net salvage ratios for most of  
28 the gas accounts except for those few accounts that DRA disagrees  
29 with, DRA recommends that the Commission adopt DRA's  
30 proposed rates. Table 16-2 shows the comparison of net salvage  
31 rates between PG&E and DRA.



1 and the mortality dispersion pattern developed from its depreciation study to derive  
2 the depreciation accrual rates being proposed for 2007.

3 In PG&E's 2003 GRC Decision 04-05-055, the Commission adopted the  
4 average service lives for depreciable assets that PG&E proposed but denied the  
5 company's requested changes to net salvage rates. Instead, the Commission adopted  
6 DRA's recommendations to retain PG&E's net salvage rates at their existing  
7 authorized levels.

8 DRA has reviewed PG&E's Depreciation Study and the support for its  
9 proposed increase for depreciation expense in 2007. The recommendations and  
10 conclusions reached by DRA are influenced by a number of factors, including  
11 analysis of historical data, comparison of data with industry averages and with other  
12 California utilities, and use of informed judgment. This testimony will show that the  
13 depreciation and amortization expenses that DRA is recommending for PG&E in  
14 2007 is fair and reasonable and, therefore, should be adopted by the Commission.

#### 15 **A. Depreciation Study**

16 Based on the results of its updated Depreciation Study, PG&E is proposing  
17 new rates for depreciable assets in 2007. The study focuses on the two major  
18 depreciation parameters -- Average Service Lives and Net Salvage (Gross Salvage  
19 less Cost of Removal). In summary, the study concluded the following: (1) The  
20 study determines that the future average service lives of the majority of the assets are  
21 lengthened, thereby reducing the future annual depreciation expense requirement, and  
22 (2) the future net salvage requirements for depreciable assets are projected to be  
23 increasing mainly due to estimated rising cost of removal. Below is DRA's analysis of  
24 the two parameters.

#### 25 **1. Service Lives for Depreciable Assets for Electric** 26 **and Gas Operations**

27 Service life represents the estimate of expected life of utility assets. There are  
28 three general categories of assets –Mass Property, Life Span Units, and Forecast

1 Accounts. For large individual facilities, the forecast method or a variation thereof, is  
2 used to forecast retirement dates of Life Span Units or Forecast Accounts. For Mass  
3 Property, PG&E uses the Simulated Plant Records (SPR) method of life analysis to  
4 determine the average service life and the survivor curve to calculate the remaining  
5 average life of these assets. For the electric and transmission operations, PG&E  
6 proposes to increase the average service lives of 15 accounts from their current levels,  
7 decrease the average service live of 1 account, and retain the average service lives of  
8 20 accounts at their currently authorized levels. For gas operations, PG&E proposes  
9 to retain the currently authorized average service lives for the majority of the  
10 accounts. The net effect of PG&E's analysis of assets average service lives results in  
11 lowering depreciation expense estimates for 2007.

12 DRA accepts the average service lives that PG&E is proposing for electric  
13 distribution and gas operations in 2007. As mentioned above, the differences between  
14 the existing and the proposed service lives for most of the accounts are small, and  
15 their impact on revenue requirement results in lowering test year depreciation expense  
16 estimates. Generally, differences resulting from different estimates of average service  
17 lives are merely a timing difference issue that eventually provides investors the  
18 opportunity to fully recover their investments in utility plants. In this case, a timing  
19 difference impact on depreciation expense affects the periodic amount to be recovered  
20 which may decrease or increase depending on the account. The end result is that  
21 investors are eventually made whole and do recover their full investment in utility  
22 assets.

## 23 **2. Net Salvage Rates**

24 Net salvage represents the gross salvage amount realized when an asset is  
25 retired, less the cost of removing the asset. It can either be positive or negative. Net  
26 negative salvage results when it costs more to remove and dispose of an asset than the  
27 asset is worth. This has been the case with California's largest energy utilities in

1 recent years. In all cases, the utilities cite the current trends of reduced revenues from  
2 **gross salvage** together with increasing **cost of removal** as the reasons for projecting  
3 the large increases for test year negative salvage.

4 As of December 31, 2004, PG&E's recorded plant balance for electric  
5 operations is approximately \$17 billion. The net salvage rate increases that PG&E is  
6 proposing affects twenty major accounts. PG&E proposes to retain the existing  
7 authorized net salvage rates for the remaining accounts. Under PG&E's proposed net  
8 salvage rates, the company will be able to ultimately recover approximately \$9.3  
9 billion for net salvage costs, in addition to the \$17 billion plant balance. Because  
10 negative salvage is added to gross plant under the cost of service regulation, PG&E's  
11 revenue requirement would be increased by approximately \$9.3 billion to pay for  
12 negative salvage over the remaining lives of the assets above (i.e. in addition to) the  
13 recovery of the \$17 billion in plant balances. Under DRA's proposed net salvage  
14 rates, PG&E will be able to recover approximately \$6.9 billion for negative salvage in  
15 addition to the \$17 billion investments in plants. The future net salvage amount  
16 estimated by DRA is approximately \$2.4 billion less than PG&E's estimates.

17 For gas operations, the December 31, 2004, recorded plant balance is  
18 approximately \$5 billion. The negative salvage rate increases (more negative) that  
19 PG&E is proposing for gas operations are to four accounts. PG&E proposes to retain  
20 the currently authorized salvage rates for the other accounts. Under PG&E's  
21 proposed net salvage rates, the company would be allowed to recover approximately  
22 \$3 billion for negative salvage in addition to the investment balance of \$5 billion over  
23 the remaining lives of the assets. Under DRA's proposal, the net salvage is  
24 approximately \$2.70 billion. The future net salvage amount estimated by DRA is  
25 approximately \$300 million less than PG&E's estimates.

26 DRA agrees that PG&E's net salvage rates need to be revised since they have  
27 not been revised in over a decade. However, DRA disagrees with PG&E's estimates

1 because they are too high. Recognizing that the determination of net salvage is based  
2 on assumptions for estimating a future cost that may or may not materialize as  
3 planned, caution must be taken in the interest of minimizing any rate increase to  
4 ratepayers. For example, the past over-collection of the cost of removal by PG&E for  
5 six fossil plants which the company now proposes to refund to ratepayers illustrates  
6 the fallibility of estimating “future net salvage costs.”

7           Generally, utilities argue that there is danger in not collecting enough net  
8 salvage in depreciation rates for future cost of removal. However, much harm could  
9 also be done to ratepayers when they are made pay for future services that may not  
10 benefit them, especially since PG&E cannot provide specific data to suggest that the  
11 net salvage embedded in current rates is inadequate to fund future cost of removal.  
12 On the contrary, PG&E’s depreciation reserve is adequately funded, with over \$2  
13 billion in accumulated depreciation reserve which represents funds that PG&E has  
14 collected from ratepayers for future cost of removal that the company has not spent.  
15 At the same time, PG&E continues to collect more funds for cost of removal than it  
16 actually spends under the existing net salvage rates. For example, under the current  
17 rates, PG&E collects an average of about \$180 million annually for cost of removal  
18 but spends an average of less than \$80 million annually for cost of removal. The  
19 excess amount goes into accumulated depreciation reserve for future cost of removal.  
20 Of course there is need to build a reserve for future cost of removal, however, the  
21 company must provide compelling reasons to justify the magnitude of requested  
22 build-up, and the Commission should consider all of the factors that influence the  
23 need for the build-up.

24           PG&E failed to show compelling reasons why its sizable increases in proposed  
25 net salvage rates should be adopted. The net salvage estimates that DRA is  
26 recommending are based on analysis of historical data, informed judgment and the  
27 factors below.



1 **a. Differences in the Band of Historical Data Used**  
2 **in Analysis**

3 The number of historical years and data used in the net salvage analysis could  
4 have significant impact on the future net salvage estimate. Both DRA and PG&E  
5 focused their reviews on the most recent 15-year period, 1990-2004. PG&E's analysis  
6 and proposed net salvage rates were based on an averaging methodology focusing on  
7 data covering either shorter periods of 3 years rolling band, or longer periods of 15, or  
8 10 years or 5 years bands.

9 DRA based its analysis on averaging methodology mostly focused on using  
10 either a 15-year or 10-year band. The decision to use either a 15 or 10 year historical  
11 band in the analysis was influenced by the trend or the degree of fluctuations shown  
12 in the account. DRA made no specific adjustments to the accounts, but excluded data  
13 from the analysis for those years where the data was unrepresentative of the account.

14 PG&E's currently authorized depreciation rates were developed over a decade  
15 ago. It is therefore necessary to review historical data over a longer period so that the  
16 effects from abnormal fluctuations can be normalized and smoothed to help  
17 mitigate any adverse impact on ratepayers.

18 **b. Comparison with Other California Utilities and**  
19 **Industry Statistics**

20 For electric and gas operations, PG&E provided comparison data which  
21 compares its authorized and proposed net salvage ratios to the authorized or proposed  
22 net salvage ratios of other major utilities in California. PG&E also provided industry  
23 statistics which give a range of the net salvage ratios that are applicable to other  
24 utilities nationwide.

25 DRA finds all of the information to be useful because it provides additional  
26 data for comparing and evaluating the reasonableness of the net salvage rates that  
27 PG&E is proposing. Although the industry statistics were useful for certain accounts,

1 PG&E failed to justify why it should be allowed net salvage rates that are either above  
2 or at the top of the industry range.

3 Some of PG&E's proposed net salvage rates are comparable with the net  
4 salvage rates of the other major utilities in California. However, significant  
5 differences exist between them in other accounts. For example, the authorized net  
6 salvage rates differ significantly among the major utilities for poles ranging from -  
7 85% to -190%. Similar differences exist for other accounts. While there are  
8 differences in accounting practices, maintenance practices, and differences on how  
9 salvage is booked among the utilities, a ratemaking mechanism that caps the amount  
10 that PG&E can recover for net salvage is appropriate in some circumstances.  
11 Ultimately, DRA performed an account-by-account analyses of net salvage with  
12 consideration of various factors in deriving its estimate.

13 For some of the accounts where the comparison of the estimated net salvage  
14 rates between PG&E, DRA and the authorized net salvage for other utilities and  
15 industry averages results in significant differences, DRA used informed judgment to  
16 develop its estimates.

17 **c. Experience Shows that PG&E Over-Accrued on**  
18 **Fossil Plants**

19 CPUC Standard Practice U-4 provides that current depreciation rates include  
20 the future cost of removing an asset that currently provides service, net of the  
21 proceeds from salvage. In this filing, PG&E requests that the Commission adopt a  
22 reverse amortization which would allow the company to provide refunds to ratepayers  
23 because of the over-collection for removal costs from six of seven fossil plants. As  
24 mentioned earlier, salvage costs are estimates of a future cost that may or may not  
25 occur. The uncertainty that surrounds the determination of an appropriate level of  
26 salvage rate, as illustrated by the over-collection of the fossil plants, contradicts the  
27 argument against inter-generation inequity in this case. A balanced approach is

1 needed to ensure that today's ratepayers neither pay more nor less than their fair share  
2 of future cost of removal. The current system does not always provide such balance;  
3 therefore the Commission should take an approach that minimizes costs to ratepayers,  
4 while continuing to ensure the utility a reasonable amount to fund future liabilities.

5 **d. Depreciation Reserve Balance is Not Deficient**

6 In June 2001, the Financial Accounting Standards Board (FASB) issued a new  
7 Financial Accounting Standard Number 143 for Asset Retirement Obligations. SFAS  
8 No. 143 applies to the legal obligation associated with the retirement of long-lived  
9 assets that is applicable to all industries including public utilities. SFAS No.143  
10 provides accounting requirements for costs that are associated with the legal  
11 obligations to retire tangible long-lived assets.

12 On January 1, 2003, PG&E adopted SFAS No.143. Reporting on the impact of  
13 adopting SFAS 143 in its Quarterly Report in 2003, PG&E state:

14 The Utility collects estimated removal costs in rates  
15 through depreciation in accordance with regulatory  
16 treatment. These amounts do not represent SFAS No. 143  
17 asset retirement obligations and will continue to be  
18 recorded with accumulated depreciation. As of March 31,  
19 2003, the Utility estimated the removal costs recorded in  
20 accumulated depreciation were approximately \$1.7  
21 billion.

22 The \$1.7 billion represents the amount that PG&E has collected in rates for  
23 removal costs through depreciation expenses from ratepayers that it has not spent.  
24 Under the currently authorized salvage rates, PG&E continues to collect about \$180  
25 million annually for removal costs, while the company actually spends less than \$80  
26 million on the average for removal costs. Prior to the issuance of SFAS 143, utilities  
27 did not always provide this information arguing that it could not be identified  
28 separately from existing depreciation rates. Assuming the Commission adopts  
29 PG&E's proposed salvage rates, the company will be collecting over \$200 million

1 more in rates for removal costs. Although salvage costs are an appropriate cost of  
 2 doing business that ratepayers should fund, the Commission should consider the  
 3 current disparity between the amount collected and the amount actually spent in  
 4 addressing this issue. The DRA forecast strikes an equitable balance by assuring that  
 5 ratepayers contribute a reasonable amount.

6 All of the factors mentioned above, including informed judgment, influenced  
 7 DRA recommendations. Table 16-2 shows the comparison of the proposed net  
 8 salvage rates between PG&E and DRA.

**Table 16-2  
 Net Salvage Percentages**

| Account No.                      | Account Description                 | Currently<br>Authorized | Proposed<br>PG&E | Proposed<br>DRA |
|----------------------------------|-------------------------------------|-------------------------|------------------|-----------------|
| <b>ELECTRIC DEPARTMENT</b>       |                                     |                         |                  |                 |
| <b><u>Transmission Plant</u></b> |                                     |                         |                  |                 |
| 352                              | Structures and improvements         | -10%                    | -20%             | -20%            |
| 352                              | Structures and improvements/equip   | -5%                     | -20%             | -20%            |
| 353                              | Station Equipment                   | 0%                      | -30%             | -10%            |
| 354                              | Towers and Fixtures                 | -40%                    | -50%             | -40%            |
| 355                              | Poles and Fixtures                  | -50%                    | -80%             | -70%            |
| 9 356                            | Overhead Conductors & Devices       | -31%                    | -60%             | -50%            |
| <b><u>Distribution Plant</u></b> |                                     |                         |                  |                 |
| 361                              | Structures and improvements         | -10%                    | -20%             | -20%            |
| 361                              | Structures and improvements/Equip   | 0%                      | -20%             | -20%            |
| 362                              | Station Equipment                   | 0%                      | -30%             | -15%            |
| 364                              | Poles, Towers and Fixtures          | -35%                    | -100%            | -85%            |
| 365                              | Overhead Conductors & Devices       | -49%                    | -100%            | -80%            |
| 366                              | Underground Conduit                 | 10%                     | -50%             | -20%            |
| 367                              | Underground Conductors & Device     | -19%                    | -40%             | -35%            |
| 368                              | Line Transformer-Overhead           | 10%                     | -10%             | 0%              |
| 368                              | Line Transformer-Underground        | 0%                      | 0%               | 0%              |
| 369                              | Services-Overhead                   | -60%                    | -100%            | -75%            |
| 369                              | Services-Underground                | -40%                    | -60%             | -60%            |
| 370                              | Meters                              | 0%                      | -5%              | -5%             |
| 371                              | Installation on Customer premise    | 0%                      | 0%               | 0%              |
| 372                              | Leased Property on Customer Premise | 75%                     | 0%               | 0%              |
| 373                              | Street Lighting -Overhead Conductor | -95%                    | -90%             | -30%            |
| 373                              | Street Lighting-Conduit & Cables    | -10%                    | -10%             | -10%            |
| 373                              | Street Lighting -Lamps & Equip      | -10%                    | 0%               | 10%             |
| 10 373                           | Street Lighting-Electroliers        | 0%                      | -10%             | 0%              |

| Account No. | Account Description | Currently Authorized | Proposed PG&E | Proposed DRA |
|-------------|---------------------|----------------------|---------------|--------------|
|-------------|---------------------|----------------------|---------------|--------------|

**General Plant**

|     |                                |     |     |     |
|-----|--------------------------------|-----|-----|-----|
| 390 | Structures and improve- Office | -5% | -5% | -5% |
| 391 | Office Furnitures & Equip      | 20% | 20% | 20% |
| 394 | Shop Equipment                 | 10% | 10% | 10% |
| 395 | Lab Equipment                  | 0%  | 0%  | 0%  |
| 396 | Power Operated Equipment       | 10% | 10% | 10% |
| 397 | Communication Equipment        | -4% | -4% | -4% |
| 398 | Miscellaneuos Equipment        | 20% | 20% | 20% |

1  
2

**GAS DEPARTMENT**

**Local Storage Plant**

|       |                               |      |      |      |
|-------|-------------------------------|------|------|------|
| 361   | Structures & Improvements     | 10%  | 10%  | 10%  |
| 362   | Gas Holders                   | -15% | -15% | -15% |
| 363   | Purification Equipment        | 0%   | 0%   | 0%   |
| 363.3 | Compressor Equipment          | -20% | -20% | -20% |
| 363.4 | Measuring & regulating Equip. | 10%  | 10%  | 10%  |
| 363.5 | Other Equipment               | -5%  | -5%  | -5%  |

3

**Gas Distribution**

|     |                                     |      |       |      |
|-----|-------------------------------------|------|-------|------|
| 375 | Structures & Improvements           | -20% | -20%  | -20% |
| 376 | Mains                               | -45  | -50%  | -45% |
| 377 | Compressor Station Equip.           | -10% | -10%  | 0%   |
| 378 | Odorizing/Meas & Reg Sta Equipment  | -55% | -55%  | -55% |
| 380 | Services                            | -85% | -100% | -90% |
| 381 | Meters                              | 0%   | 0%    | 0%   |
| 383 | House Regulators                    | 0%   | 0%    | 0%   |
| 385 | Meas & Reg Sta. Equip-Industrial    | -15% | -15%  | 0%   |
| 386 | Other Property on Customer Premises | 0%   | 0%    | 0%   |
| 387 | Other Equipment                     | 0%   | 5%    | 5%   |

4

**Gas General**

|     |                           |      |      |      |
|-----|---------------------------|------|------|------|
| 390 | Structures & Improvement  | -10% | -10% | -10% |
| 391 | Office Furnitures & Equip | 0%   | 0%   | 0%   |
| 394 | Shop Equipment            | 9%   | 9%   | 9%   |
| 395 | Lab Equipment             | 0%   | 0%   | 0%   |
| 396 | Power Operated Equipment  | 10%  | 10%  | 10%  |
| 398 | Miscellaneous Equipment   | 20%  | 20%  | 20%  |
| 399 | Other Tangible Property   | 20%  | 20%  | 20%  |

5  
6

**B. Generation Depreciation Expense and Reserve**

PG&E's generation-related plant is divided into 32 functional groups. An estimate of depreciation expense is obtained by multiplying the weighted average

1 plant in a functional group by the depreciation rate for the functional group. PG&E  
2 uses the life-span method for forecasting the remaining life of its generation-related  
3 plants.

4 In general, DRA takes no issue with PG&E's estimated remaining life for  
5 generation plants. However, DRA disagrees with PG&E on two basic issues:

- 6 • The net salvage calculation for hydroelectric plants; and
- 7 • The amortization of over-collected fossil decommissioning costs.

### 8 **1. Hydroelectric Plant Salvage**

9 The net salvage included in the depreciation rates for 2007 are based on the net  
10 salvage rates the Commission adopted in PG&E's 2003 GRC. The authorized net  
11 salvage rate for hydroelectric plants is -10%. For 2007, PG&E proposes a net salvage  
12 rate of -13% and a depreciation accrual rate of 2.35%. Although PG&E conducted a  
13 new depreciation study which supports its proposed salvage rate increases for electric  
14 and gas distribution operations, PG&E did not perform a new study for hydroelectric  
15 plant.

16 DRA recommends that the net salvage rate for hydroelectric plants should be  
17 reduced from -10% to -9% which amounts to a depreciation accrual rate of 2.10%.  
18 First, under the currently authorized accrual rate, PG&E collects about \$11 million in  
19 rates for hydroelectric net salvage, but spends only about \$540, 000 for net salvage on  
20 the average. Secondly, for comparison purpose, the accrual rate for Southern  
21 California Edison's hydroelectric plant is 1.9%, a lower accrual rate than PG&E's  
22 proposed rate of 2.35%. Thirdly, past experience shows that PG&E over-collected in  
23 its fossil decommissioning costs. Lastly, PG&E has the burden of proving that the  
24 salvage rate increase is justified, but failed to do so. The company provided no  
25 support or documentation to justify the proposed net salvage rate increase for

1 hydroelectric plants. For all these reasons, DRA's forecast for hydroelectric plants is  
2 more reasonable.

3 DRA's -9% net salvage rate is appropriate for PG&E's hydroelectric plants  
4 and should be adopted by the Commission. DRA's proposed net salvage is more than  
5 adequate to fund future cost of removal for hydroelectric plants.

6 **2. Amortization of Over-Collected Fossil Decommissioning**  
7 **Costs**

8 PG&E had seven fossil plants. Four of the plants were divested between 2003  
9 and 2004. Two additional plants are scheduled to be decommissioned in 2006, and the  
10 remaining one, Humboldt Bay, is scheduled for decommissioning in 2010. Similar to  
11 hydroelectric plants, PG&E uses the net salvage rates adopted by the Commission in  
12 PG&E's 2003 GRC to accrue depreciation expenses for fossil plants that will be  
13 decommissioned this year or in a future year.

14 As of December 31, 2004, PG&E has collected \$142.892 million through  
15 depreciation rates to decommission the seven fossil plants. According to PG&E,  
16 current rates which allow the company to recover additional funds through accruals  
17 for 2005 and 2006, less estimated spending for decommissioning and remediation  
18 costs, will result in an excess reserve of \$90.138 million at the end of 2006. PG&E  
19 proposes to refund this balance to ratepayers over a three year period by a reverse  
20 amortization of about \$30.046 million yearly. The \$30.046 million is reflected in  
21 PG&E's RO as a reduction to test year revenue requirement. In a response to a  
22 DRA's data request (ORA-061-002), PG&E revised the amount of the over-collection  
23 from \$90.138 million to \$82.192 million. In its subsequent errata filing, PG&E again  
24 revised the over-collection from \$82.192 million to \$80.437 million.

25 PG&E failed to convince DRA that the revision to its original \$90.138 million  
26 over-collection estimate is necessary. For the purpose of calculating test year revenue

1 requirement, DRA believes it is appropriate to use the \$90.138 million over-collection  
2 estimate. PG&E correctly points out that the “over-collection is based on forecasts of  
3 future decommissioning costs .....and the actual costs of decommissioning may be  
4 different.” (PG&E-3, p.1-19) To protect both PG&E and ratepayers from such  
5 uncertainty, DRA agrees with PG&E proposal that “if the decommissioning costs  
6 exceed current estimates, PG&E will request additional decommissioning funding in  
7 the future proceedings. Likewise, if the actual costs of decommissioning are lower,  
8 PG&E will make additional refunds to customers.” (PG&E-3, p.1-19)

9 Also, DRA agrees with PG&E’s recommendations to refund the over-collected  
10 funds over a three year amortization period consistent with the GRC cycle. In  
11 addition, DRA recommends that refunds to ratepayers include imputed interest based  
12 on the prevailing average bond rate which DRA estimates to be 5%. Interest should be  
13 accrued beginning from the date the plants were divested or decommissioned back in  
14 2003 or 2004. PG&E’s proposal ignores the time use of ratepayers’ funds beginning  
15 from 2003 when some of the plants were divested and PG&E had access to the use of  
16 the funds. DRA’s recommendation is reasonable and consistent with Commission  
17 policy on over-collections of funds through rates from ratepayers. DRA estimates the  
18 over-collection, including imputed interest to be approximately \$101.983 million.  
19 Interest is imputed starting from 2003 until the amount is fully refunded to ratepayers  
20 in 2009. Amortizing the estimated over-collected balance of \$101.983 million over a  
21 three-year period results in an annual refunds to \$33.994 million to ratepayers.

22 **C. Account-By-Account Analyses of Net Salvage**

23 The section below provides an account-by-account analysis for net salvage  
24 rates where DRA’s proposed salvage ratios are different from PG&E’s proposals.



1                                   **1. Transmission Plant**

2                   PG&E’s transmission plants are assigned to either the CPUC or the FERC  
3 jurisdiction. According to PG&E the depreciation expense estimated for 2007  
4 includes only portions of transmission plant that is attributable to the CPUC’s  
5 jurisdiction. As of December 31, 2004, the recorded depreciable gross balance  
6 (CPUC and FERC) for transmission assets amounts to approximately \$3.4 billion. Of  
7 this amount, only 6.4% or approximately \$219 million is attributable to the CPUC’s  
8 jurisdiction while the remaining balance or 93.6% is attributable to the FERC’s  
9 jurisdiction. However, the salvage analysis that PG&E performed to calculate the  
10 estimated net salvage rates for the transmission plant accounts was based on the use of  
11 the gross balances (CPUC plus FERC). DRA takes no exceptions to PG&E’s  
12 methodology since the depreciation expense calculation for transmission plant is  
13 limited to the transmission assets used to serve California ratepayers. Although the  
14 analysis of the four transmission plant accounts discussed below are provided on a  
15 total company-wide basis, the revenue requirement impact on California ratepayers is  
16 limited to the utility’s investment that is attributable to the CPUC’s jurisdiction.

17                                   Account 353 (FERC) –Set-up Transformer

18                   This account includes the cost of equipment such as transformers, circuit  
19 breakers, switchgears, relays and meters that are located at transmission substations.  
20 The authorized salvage for this account is 0%. PG&E proposes a higher negative  
21 salvage ratio from 0% to -30%. DRA recommends a negative salvage ratio of -10%  
22 in 2007.

23                   As of 2004, PG&E has almost \$1.7 billion of investment in this account.  
24 Under PG&E’s proposal, the company would recover approximately \$540 million for  
25 negative salvage, in addition to the \$1.7 billion of investment over the remaining life  
26 of the investment. Under ORA’s proposal, PG&E would recover approximately \$170

1 million additional funds for net salvage over the remaining life of the assets in this  
2 account.

3 According to PG&E, the net salvage range used in the electric industry for this  
4 account is 15 to (20) percent. The authorized net salvage for the other major electric  
5 companies in California falls within this range—SCE and SGD&E at 5% and 15%,  
6 respectively.

7 The 15-year historical data for this account indicates a trend for increasing cost  
8 of removal. However, PG&E failed to justify why it should be granted a negative  
9 salvage rate of -30%, a significant increase greater than the top of the negative  
10 salvage range used in the electric industry. DRA’s recommendation for -10% for this  
11 account should be adopted because it is reasonable, close to the average negative  
12 salvage range used in the industry, and higher than the negative salvage authorized for  
13 other California electric utilities which have positive net salvage rates.

14 Account 354 (FERC) – Tower and Fixtures

15 This account includes the original costs of installing towers and fixtures used  
16 for supporting overhead transmission conductors. The authorized net salvage for this  
17 account is -40%. PG&E proposes to increase the net salvage from -40% to -50% in  
18 2007. DRA recommends that the negative salvage rate for the account should be  
19 maintained at -40%.

20 The average plant balance in this account is about \$365 million. Under its  
21 proposal, PG&E would recover approximately \$182 million for negative salvage  
22 above recovery of the \$365 million of investments over the remaining life of the  
23 investment. Under DRA’s proposal, PG&E would recover approximately \$146  
24 million for negative salvage above recovery of the \$365 million of investments  
25 balance.

1 Over the 15-year period of historical data, the recorded data for retirements,  
2 cost of removal and gross salvage appear to be small and fluctuated considerably from  
3 year to year. In some cases, the fluctuations were moderate and in others cases, they  
4 were extremely unrepresentative of an established trend. For example, in 1991 and  
5 2001, the net salvage rates recorded for this account were (542%) and (294%)  
6 respectively. DRA considers the salvage reported for the two years to be abnormally  
7 high and therefore, excluded them from its analysis. Removing the two years from the  
8 analysis supports the -40% net salvage rate that DRA is recommending for this  
9 account.

10 Account 355 (FERC)--Transmission Poles & Fixtures

11 The account includes the costs of installing all types of transmission line poles  
12 and fixtures. The authorized net salvage for this account is -50%. PG&E proposes to  
13 increase the net salvage from the -50% to -80% in 2007. DRA recommends that the  
14 net salvage be -70%.

15 As of 2004, the investment book balance in this account is almost \$312  
16 million. Under PG&E's proposal, the company would recover approximately \$249  
17 million in rates for net salvage above the recovery of the \$312 million of investments  
18 over the remaining life of the investment. Under DRA's proposal, PG&E would  
19 recover about \$218 million in rates for net salvage above recovery of the \$312 million  
20 investments.

21 The net salvage reported for this account over the 15-period from 1990 to  
22 2004, shows consistent fluctuation ranging from -30% in 2000 to -311% in 2004.  
23 Over the 15-year period, there was an established trend for increasing cost of removal  
24 which suggests that PG&E's net salvage rate should be revised upward for the test  
25 year. The difference between DRA's and PG&E's proposed net salvage rate for the  
26 test year is the number of historical years used in the analysis.

1 PG&E's proposal of -80% is based on a 5-year weighted average of historical  
2 net salvage for the years 2000 to 2004. On the other hand, DRA's recommendation of  
3 -70% is based on the results a 15-year weighted average of historical data. As  
4 previously mentioned, using a longer historical band is more appropriate for this  
5 analysis while also adjusting for abnormal occurrences.

6 For this particular account, DRA considered any recorded net salvage during  
7 the 15-years of historical data that was above -200% to be unrepresentative and were  
8 excluded from the analysis. Data for three years fell into the category and were  
9 excluded from the analysis. DRA's recommendation of -70% net salvage rate is  
10 consistent with the authorized net salvage for other major electric utilities in  
11 California and more than adequate to fund current and future cost of removal for this  
12 account.

13 Account 356 (FERC) - Transmission Overhead Conductor

14 This account includes the cost of installing overhead conductors and devices  
15 used for electric transmission services. The authorized net salvage for this account is  
16 -31%. PG&E proposes to increase the net salvage from -31% to -60% in 2007.  
17 Instead, DRA recommends that the net salvage should be -50%.

18 The average investment balance in this account is approximately \$648 million.  
19 Under PG&E's proposal, the company would recover approximately \$389 million for  
20 negative salvage over the remaining life of the investment above recovery of the \$648  
21 million. Under ORA's proposal, the company would recover approximately \$324  
22 million for net salvage.

23 According to PG&E, the range of net salvage percents used in the electric  
24 industry is negative 30 percent to negative 100 percent. During the 15-year period of  
25 historical data, recorded net salvage ranged from a low -19% in 2000 to a high of -  
26 578% in 1993. No discernable trend appears to be established as recorded net salvage

1 fluctuated up and down in no predictable pattern. Although DRA relied on historical  
2 data for the entire 15 year period, DRA excluded data for the years 1992, 1993, 1998  
3 and 2002 from its analysis because the net salvage recorded for these years fell  
4 outside the acceptable range of -200% that DRA believes is appropriate for this  
5 account.

6 DRA based its recommendation for a net salvage rate of -50% for this account  
7 on the weighted average calculation that included 15-year historical data, excluding  
8 the four years mentioned above. The -50% net salvage is reasonable, well within the  
9 net salvage used in the electric industry.

## 10 **2. Distribution Plant**

### 11 Account 362 - Station Equipment

12 This account includes the cost of installing station equipments at distribution  
13 stations. The authorized net salvage for this account is 0%. PG&E proposes to  
14 change the net salvage from 0% to -30% in 2007. DRA recommends a net salvage  
15 rate of -15%.

16 As of 2004, this account consists of \$1.3 billion in plant investments. Under  
17 PG&E's proposal, the company would recover approximately \$398 million for net  
18 salvage above the \$1.3 billion investment over the remaining life of the assets. Under  
19 DRA's proposal, PG&E would recover approximately \$199 million for net salvage  
20 above the \$1.3 billion investment.

21 Over the 15-year historical band, PG&E has retired approximately \$110  
22 million, and about \$37 million in cost of removal. The historical data shows that  
23 PG&E generated a significant amount of money from salvage from this account,  
24 which implies that net salvage could be significantly impacted depending on how  
25 transaction are accounted for in this account.

1 The historical data supports an overall negative net salvage for this account.  
2 At issue is the percent of negative net salvage that PG&E should be allowed. PG&E  
3 failed to provide the range of net salvage percent used in the electric industry for this  
4 account. The authorized net salvage for SCE and SDG&E are -10% and 25%  
5 respectively. The -15% net salvage that DRA is proposing represents a significant  
6 increase, and higher than the authorized net salvage for other California electric  
7 utilities. In consideration of these factors, including the potential to generate  
8 significant amounts of money from salvage from this account, DRA believes that an  
9 increase from 0 to -15% is appropriate.

10 Account 364 — Poles Towers & Fixtures

11 The account includes the original cost of installing poles, towers and  
12 appurtenant fixtures used to support distribution operations. The authorized net  
13 salvage for this account is -35%. PG&E proposes to increase the net salvage from -  
14 35% to -100% in 2007. PG&E based its request for a net salvage rate of -100% on an  
15 analysis of data for the past 15 years, however concentrated on the most recent 5  
16 years. DRA recommends that the net salvage rate for this account should be increased  
17 from -35% to -85%

18 As of 2004, this account consists of \$1.9 billion in plant investments. Under  
19 PG&E's proposal, the company would recover approximately \$1.9 billion for net  
20 salvage above the \$1.9 billion investment over the remaining life of the assets. Under  
21 DRA's proposal, PG&E would recover approximately \$1.7 billion for net salvage  
22 above the \$1.9 billion investment balance.

23 DRA's recommendation is based on its analysis of 15 years data, but  
24 concentrated on 14 of the 15 years. DRA excluded data for 2004 from its analysis  
25 because of the unusual increase from -117% in 2003 to -397% in 2004. DRA believes  
26 that it is appropriate to exclude 2004 from the analysis because prior to 2004, the

1 recorded net salvage for this account ranged between a low of -18% to a high of -  
2 145%.

3 DRA's proposed increase represents a sizable increase of over 143% above the  
4 currently authorized net salvage rate for this account. This net salvage rate provides a  
5 reasonable increase for the test year in contrast to PG&E's request of a 188%  
6 increase. It appropriately aligns PG&E's salvage rate with the authorized net salvage  
7 rates for the other major electric utilities in California, is well within the estimated  
8 range of the net salvage estimate used in the industry average.

9 Account 365 -- Overheads Conductors & Devices

10 This account includes the cost of installing overhead conductors and devices  
11 used for distribution operations. The authorized net salvage for this account is -49%.  
12 PG&E proposes to increase the net salvage from -49% to -100% in 2007. PG&E  
13 based its requested increase on the analysis of 15-year, 5-year and 3-year rolling band  
14 averages with all analysis resulting in net salvage rates higher than the -100% that  
15 PG&E is recommending. DRA recommends a net salvage rate of -80% for this  
16 account.

17 The investment balance in this account is almost \$2.2 billion. Under PG&E's  
18 proposal, the company would recover \$2.2 billion for net salvage above the \$2.2  
19 billion over the remaining lives of the assets. Under DRA's recommendation the  
20 company would recover \$1.76 billion net salvage over the investment balance.

21 Since 1990, PG&E has retired approximately \$84 million of assets from this  
22 account, incurred about \$155 million cost of removal and received revenues of \$13  
23 million from gross salvage. During the 15 year period, retirements, cost of removal  
24 and gross salvage amounts fluctuated from year to year; however, a discernable  
25 upward trend was established beginning in 2000. Industry data shows an increasing  
26 trend in net salvage for this account. The currently authorized net salvage rates for

1 the other electric utilities in California are more aligned with the industry averages  
2 than PG&E's. Because of the dollar impact of the net salvage associated with this  
3 account (\$1.76 billion), DRA did not rely entirely on the results of weighted averages,  
4 but used informed judgment while also taken other factors into consideration. The  
5 overall objective was to mitigate the effect of rising costs to ratepayers, while also  
6 allowing PG&E the opportunity to recover sufficient funds in rates to fund future net  
7 salvage costs. DRA believes that its proposed increase accomplishes such balance. It  
8 increases PG&E's net salvage rates by over 160% higher than PG&E's currently  
9 authorized net salvage rate of -49%. It is more aligned with the industry average net  
10 salvage rate and is comparable to the authorized rates for SDG&E and SCE which are  
11 -70% and -100%, respectively. Therefore, DRA recommends that PG&E's salvage  
12 rate for this account should be increased from -49% to -80% which is a significant  
13 increase over the current level.

14 Account 366 — Underground Conduit

15 This account includes the cost of installing underground conduit and tunnels  
16 used for housing distribution cables and wires. The authorized net salvage for this  
17 account is 10%. PG&E proposes to increase the net salvage from a positive 10% to a  
18 negative -50% in 2007. DRA recommends a net salvage rate of -20%.

19 The investment balance in this account is almost \$1.7 billion. Under PG&E's  
20 proposal, the company would recover approximately \$850 million for net salvage  
21 above the \$1.7 billion over the remaining lives of the assets. Under DRA's  
22 recommendation the company would recover approximately \$340 million net salvage  
23 above the investment balance.

24 During the last 15 years, the recorded annual net salvage was negative, except  
25 for two years in 1991 and 1995. Based on the historical data, the net salvage for this  
26 account clearly should be revised. However, DRA does not agree with PG&E's  
27 proposed increase from 10% of -50% which is a very large increase. The net salvage



1 range in the electric industry is from 0% to -40%. None of the major electric utilities  
2 in California have net salvage rate exceeding the industry range. DRA believes that a  
3 net salvage percent of -20% which is the average of the industry range is appropriate  
4 for PG&E.

5 To justify a higher net salvage rate, PG&E has the burden of proving  
6 exceptional circumstance, but failed to do so. Therefore, DRA recommends a net  
7 salvage rate of -20% is appropriate for this account. The proposed increase represents  
8 a significant increase over the current level.

9 Account 367 — Underground Conductors & Devices

10 This account includes the cost of installing underground conductors and  
11 devices used for distribution operations. The authorized net salvage for this account  
12 is -19%. PG&E proposes to increase the net salvage from -19% to -40% in 2007.  
13 Instead, DRA recommends that the net salvage should be -35%.

14 The investment balance in this account is approximately \$2.4 billion. The \$2.4  
15 billion represents the highest investment amount in a single account among the  
16 electric and gas distribution accounts. Under PG&E's proposal, the company would  
17 recover approximately \$946 million for cost of removal above the \$2.4 million over  
18 the remaining lives of the assets. Under DRA's proposal, the company would recover  
19 \$828 million over the remaining lives of the assets.

20 DRA based its recommendation of a net salvage rate of -35% for this account  
21 on the weighted average calculation that included 15-year historical data, excluding  
22 data for 1997 that was considered to be unrepresentative of the account. The -35%  
23 net salvage is reasonable and represents a significant increase of about 84% above the  
24 current level.

1           Account 368 - Line Transformer

2           This account includes the cost of installing overhead transformers and other  
3 devices directly associated with overhead line transformers. The authorized net  
4 salvage for this account is 10%. PG&E proposes to increase the net salvage to -10%  
5 in 2006. Instead, DRA proposes a net salvage of 0%.

6           The investment balance in this account is approximately \$996 million. Under  
7 PG&E's proposal, the company would recover approximately \$99 million for future  
8 cost of removal above the \$996 million over the remaining lives of the assets in this  
9 account. DRA's proposal would result in zero recovery for net salvage for this  
10 account.

11          Prior to 2002, the recorded net salvage for the account remained positive even  
12 though retirements were high. Total retirements for this account over the 15 year  
13 period were about \$230 million and the negative net salvage was about \$3 million  
14 which amounts to less than 1% negative net salvage over the period. Considering  
15 these factors, a zero net salvage is reasonable and appropriate for this account. The  
16 0% net salvage figure also actually represents an increase from the current positive  
17 10% level.

18           Account 369 - Services Overhead

19          This account includes the cost of electric distribution overhead services. The  
20 authorized net salvage for this account is -60%. PG&E proposes to increase the net  
21 salvage from -60% to -100% in 2007. DRA propose that the net salvage should be -  
22 75%.

23          The investment balance in this account is almost \$537 million. Under PG&E's  
24 proposal, the company would recover approximately \$537 million for future cost of  
25 removal above the \$537 million in plant balance over the remaining lives of the assets

1 in this account. Under DRA's proposal, the company would recover approximately  
2 \$402 million.

3 Over the past 15 years, PG&E has retired about \$10 million of assets in this  
4 account, incurred about \$11 million cost of removal and received about \$15 million  
5 from gross salvage. Based on the 15 years weighted average for this account, the net  
6 salvage is positive 47%. However, DRA finds the data to be misleading because the  
7 resulting positive 47% net salvage was skewed by data for 1993 which alone  
8 accounted for \$14 million out of the \$15 million revenue reported for gross salvage  
9 reported during the entire 15-year period. Data for other years within the 15-year  
10 period could arguably be considered to be unrepresentative of data in the account  
11 depending on the judgment of the analyst.

12 As with PG&E, Edison had an authorized net salvage rate of -60% for this  
13 account before seeking a net salvage rate increase in its last GRC. Similar to PG&E's  
14 request in this case, Edison requested a net salvage increase from -60% to -100% in  
15 its last GRC. In the Edison case, DRA recommended that the net salvage rate increase  
16 should be capped at -75% for this account. The capping represents a 25% increase  
17 above the current rates.

18 DRA recommends a similar capping for PG&E. The net salvage for the  
19 account should be increased from -60% to -75% in 2007. This is necessary to mitigate  
20 the adverse ratepayer impacts that would be associated with the significant increase in  
21 negative salvage that PG&E is proposing in this case. Even with the capping, this  
22 represents a significant increase in negative salvage for this account.

23 FERC Account 373 – Street Lighting And Signal Systems (Overhead Conductors)

24 This account includes the cost of installing overhead wires and cables,  
25 insulators and insulating material used primarily for the delivery of current to public  
26 outdoor lighting. PG&E proposes to decrease the net salvage rate for this account

1 from -95% to -90% in 2007. DRA proposes that the net salvage should be reduced  
2 from -95% to -30%.

3 The investment balance in this account is approximately \$7.4 million. Under  
4 PG&E's proposal, the company would recover approximately \$6.6 million for future  
5 cost of removal above the \$7.4 million over the remaining lives of the assets in this  
6 account. DRA's proposal would result in a net salvage of \$2.2 million.

7 PG&E bases its estimated net salvage for this account on data for the most  
8 recent five years which suggests a -92% negative salvage. The gross salvage for the  
9 account has been zero since 1997; however, the cost of removal and the net salvage  
10 fluctuated considerably also.

11 DRA believes that using either a 10 year average or a 15 year average is a  
12 better alternative for estimating the net salvage for this account. The 10 year average  
13 is -30% while the 15 year average is -22%. These averages support DRA's  
14 recommendation of a net salvage of -30% for this account. It is consistent with the  
15 net salvage authorized for other utilities in California.

16 FERC Account 373 – Street Lighting Electrolier

17 This account includes the cost of electroliers and ornamental lamp post  
18 supporting public outdoor lighting. PG&E proposes to increase the net salvage for this  
19 account from 0% to -10% in 2007. DRA proposes that the net salvage should be  
20 maintained at 0%.

21 The investment balance in this account is approximately \$24 million. Under  
22 PG&E's proposal, the company would recover approximately \$2.4 million for future  
23 cost of removal above the \$24 million over the remaining lives of the assets in this  
24 account. DRA's proposal would result to zero recovery for net salvage for this  
25 account.

1 PG&E basis its proposed net salvage increase for this account on the most  
2 recent five year trend which supports an increase in net salvage rate. However, both  
3 the 15-year and 10-year trends shows positive net salvage results, thus supporting a  
4 change for either a positive net salvage or retaining the existing net salvage at 0%.  
5 DRA recommends that the current zero percent rate be maintained.

6 **3. Gas Distribution**

7 FERC Account 376 – Mains

8 This account includes the cost to install distribution system mains. The  
9 authorized net salvage for this account is –45%. PG&E proposes to increase the net  
10 salvage from –45% to –50% in 2007. DRA proposes that the net salvage rate for this  
11 account should remain at -45%.

12 The investment balance in this account is approximately \$1.9 billion. Under  
13 PG&E’s proposal, the company would recover approximately \$962 million for future  
14 cost of removal above the \$1.9 billion over the remaining lives of the assets in this  
15 account. DRA’s proposal would result to \$866 million recovery for net salvage for  
16 this account.

17 DRA based its recommendation of net salvage rate of -45% for this account on  
18 the weighted average calculation that included 15-year historical data, excluding three  
19 years when the recorded data were considered to be unrepresentative of the account.  
20 The -45% net salvage is reasonable based on the historical data associated with net  
21 salvage for this account.

22 FERC Account 377 - Compressor Station Equipment

23 This account includes the cost of installing compressor station equipment and  
24 associated appliances used in connection with distribution systems. The authorized  
25 net salvage for this account is -10%. PG&E proposes to retain the existing net salvage

1 rate of -10% for this account. DRA proposes that the net salvage for the account  
2 should be changed from -10% to 0%.

3 The investment balance in this account is approximately \$867,000. Over the  
4 15 year period, although retirement amounts to about \$103,000, the data is sparse and  
5 insufficient as a basis for projecting future net salvage for this account. Therefore,  
6 DRA recommends that the net salvage should set at 0%.

7 FERC Account 380 – Service

8 This account includes the cost to install service pipes and accessories leading  
9 to the customers' premises. The authorized net salvage for this account is -85%.  
10 PG&E proposes to increase the net salvage from -85% to -100% in 2007. DRA  
11 proposes that the net salvage rate for this account should be -90%.

12 The investment balance in this account is approximately \$1.97 billion. Under  
13 PG&E's proposal, the company would recover approximately \$1.97 billion million  
14 for future cost of removal above the \$1.97 billion over the remaining lives of the  
15 assets in this account. DRA's proposal would result in \$1.87 billion recovery for net  
16 salvage in this account.

17 Prior to 1996, the recorded net salvage trend for this account was erratically  
18 unsettling ranging from -2,615% to -382%. Beginning in 1995, a discernable trend  
19 emerged. Although the recorded net salvage fluctuated from year to year since then,  
20 the degree of variability appeared normal and acceptable. Experience from PG&E's  
21 prior GRCs illustrates the nature of uncertainty with estimating future net salvage for  
22 this account. In a prior GRC (the 1999 TY case), PG&E proposed to change the then  
23 existing net salvage for Account 380 from -120% to -350%, which the Commission  
24 denied. Then in its 2003 GRC, PG&E requested another change to lower the net  
25 salvage estimate from -120% to -85%. Each of these requests was purportedly  
26 supported by a depreciation study that PG&E had conducted.

1 DRA based its net salvage recommendation of -90% on the weighted average  
2 of historical data from 1995 through 2004. The estimated industry average for this  
3 account is -25% to -200%. A net salvage of -90% is reasonable for this account based  
4 on historical data and should be adopted.

5 FERC Account 385 - Industrial Measuring & Regulating Station Equipment

6 This account includes the cost of installing special and expensive measuring  
7 and regulating station equipment, located on the distribution system, serving large  
8 industrial customers. The authorized net salvage for this account is negative -15%.  
9 PG&E proposes to retain the net salvage at the existing -15%. DRA recommends that  
10 the net salvage should be at 0%.

11 The investment balance in this account is approximately \$35 million as of  
12 December 31, 2004. Over the 15-year period, transactions to the account includes  
13 retirements of approximately \$1.2 million, cost of removal of \$165,000 and revenues  
14 from gross salvage amounting to approximately \$719,000. The weighted net salvage  
15 for the account is 45% based on the entire 15 years data.

16 The data for gross salvage could be considered to be unrepresentative of the  
17 account since the whole amount of the gross salvage occurred in 1997. However,  
18 DRA believes that the gross salvage should be included in the analysis. The  
19 equipments booked to this account are described as special and expensive. Therefore,  
20 it is not unusual to see the account experience the type of occasional revenue stream  
21 that was shown. The net salvage for other California utilities is zero percent and the  
22 industry range is from 10% to -25%. Therefore, DRA believes the zero net salvage  
23 for this account is reasonable and should be adopted by the Commission.

24 **V. CONCLUSION**

25 Today, recovery of negative salvage through depreciation rates is one of the  
26 most critical ratemaking issues facing all stakeholders because of the increased  
27 funding required to fund test year revenue requirement. Utilities must convince

1 regulators that their requests for negative salvage funding are necessary and  
2 justifiable. Regulators should ensure that utilities' requests are reasonable while  
3 protecting the interest of ratepayers by mitigating any significant rate increase that is  
4 not supported by compelling reasons.

5 The Commission should be mindful that net salvage is an "estimate" of a  
6 future cost that may or may not occur. They are unpredictable; fluctuate considerably  
7 from year to year, and from account to account, or in identical accounts from one  
8 utility to other. For example, as described above, in PG&E's 1999 TY GRC, PG&E  
9 proposed to change the then authorized net salvage percentage for FERC Account No.  
10 380 from -120% to 350% which the Commission denied. Three years later, PG&E  
11 requested that the net salvage should be changed from -120% to -85% in the 2003 test  
12 year GRC.

13 Although net salvage is a legitimate cost of doing business, the utilities'  
14 interest is not always to minimize rate increases to ratepayers. PG&E's request for the  
15 net salvage increase in this case is based on the results of analysis and the use of  
16 judgment which is only applied one-way – to maximize the size of its request.  
17 Therefore, the Commission should not rely completely on the results of PG&E's  
18 depreciation study, but should adopt DRA's positions and the reasoning behind  
19 DRA's recommendations.

20 The Commission should be as concerned with the size of PG&E's requests for  
21 negative salvage in this proceeding as it was in PG&E's TY GRC:

22 "There are important policy reasons for rejecting revenue  
23 requirement increase that are justified on the basis of new  
24 depreciation parameters. As TURN observes, depreciation does  
25 not affect PG&E's ability to provide safe and reliable service.  
26 Even if the proposed or current rates of depreciation are reduced,  
27 shareholders will still recover their investments in plant over  
28 time. At the same time, we are determined that it is necessary to  
29 set the authorized revenue requirement in this GRC at a level that  
30 is consistent with the provision of adequate utility service by  
31 PG&E. Thus, to carry out our policy position on revenue



1 requirement increases, we will make changes in authorized  
2 depreciation parameters when presented with compelling  
3 reasons for doing so.” (D.00-02-046, p.359)

4 Granted PG&E’s authorized net salvage rates were developed over a decade  
5 ago, PG&E has over \$2 billion sitting in depreciation reserve with funds collected  
6 from ratepayers for recovery of cost of removal in net salvage that the company has  
7 yet to spend. PG&E’s requested increase only increases the amount of reserve  
8 unnecessarily. DRA’s proposals provide sufficient funding in this GRC to PG&E,  
9 while mitigating the rate impact on customers.