

Decision 98-03-063 March 26, 1998

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA**

In the Matter of the Application of San Diego Gas & Electric Company for Authority to Increase its Gas and Electric Revenue Requirements to Reflect its Accomplishments for Demand-Side Management Program Years 1994, 1995, and 1996 in the 1997 Annual Earnings Assessment Proceeding ("AEAP") (U 902 M).

Application 97-05-002  
(Filed May 1, 1997)

**ORIGINAL**

And Related Matters.

Application 97-05-004  
(Filed May 1, 1997)  
Application 97-05-005  
(Filed May 1, 1997)  
Application 97-05-026  
(Filed May 5, 1997)

(See Appendix A for Appearances.)

**1. Summary**

By today's decision, we address the earnings claims of Pacific Gas and Electric Company (PG&E), Southern California Edison Company (SCE), San Diego Gas & Electric Company (SDG&E) and Southern California Gas Company (SoCal), collectively referred to as "the utilities," for their demand-side management (DSM) activities. Specifically, we award first-year earnings for 1996 DSM programs and second-year earnings for 1995 and selected 1994 programs, as summarized in Table 1. The level of these earnings is undisputed in this proceeding. We also adopt specific modifications to our measurement and evaluation (M&E) protocols, as described further below.

**2. Procedural Background**

In this Annual Earnings Assessment Proceeding (AEAP), the utilities submitted first earnings claims for DSM program year 1996 (PY96) and second earnings claims for program year 1995 (PY95). The utilities also submitted second earnings claims for

certain program year 1994 (PY94) DSM activities, based on our decision to defer consideration of these earnings to this AEAP. The utilities' original earnings claims were filed on May 1, 1997, and PG&E revised its filing on July 31, 1997.

In each AEAP, the California DSM Measurement Advisory Committee (CADMAC) submits to the Commission a summary of consensus and nonconsensus recommendations for modifications to measurement protocols and related issues. CADMAC is composed of the four investor-owned utilities, the California Energy Commission (CEC), the Office of Ratepayer Advocates (ORA), and other interested parties. It has been charged with the general responsibilities for reviewing utility measurement plans and results, including statewide studies, as well as considering potential modifications to the adopted protocols for consideration in each AEAP. (See Decision (D.) 93-05-068, 49 CPUC2d 327, 342.) Pursuant to our adopted M&E protocols, the CADMAC retains Independent Reviewers to perform analyses of disputed measurement issues that affect the utilities' earnings claims in each AEAP. These reviewers perform their analyses under the direction of the Energy Division.

On September 8, 1997, CADMAC submitted consensus modifications to the protocols. ORA submitted a report which proposed several adjustments to the utilities' earnings claims on August 25, 1997. PG&E submitted rebuttal testimony on September 22, 1997. The Independent Reviewers submitted a report on disputed earnings issues on October 12, 1997, and PG&E submitted reply testimony on October 21, 1997.

As a result of extensive discussions among the utilities, ORA and the Independent Reviewers, all issues pertaining to the level of earnings for PY 94, PY 95, and PY 96 were resolved to the satisfaction of the utilities and ORA, as reflected in the Case Management Statement submitted on October 29, 1997. Therefore, at the November 3, 1997 evidentiary hearing, the assigned Administrative Law Judge (ALJ) directed the utilities to file revised E-tables and other summary tables reflecting the

agreements.<sup>1</sup> In addition, the assigned ALJ asked that parties brief the Commission on the issue of ratemaking treatment for future shareholder earnings. Briefs were filed on December 3, 1997 by PG&E, SCE, and SDG&E.

Pursuant to Public Utilities (PU) Code § 311 and our Rules of Practice and Procedure (California Code of Regulations, Title 20, Rules 77 to 77.6), the proposed decision of ALJ Gottstein was issued before today's decision. PG&E and SDG&E filed timely comments on the proposed decision.

In response to those comments we have made minor clerical corrections and have clarified the standard of proof to be used in addressing earnings claims related to deferred savings. Today's order also clarifies that changes in gas rates to reflect adopted shareholder earnings will be rolled into pending or future applications where gas rate adjustments are requested. We have determined that the Gas Balancing Account True-Up advice letter filing is an inappropriate procedural forum for rolling in such rate increases, and delete the references to it that appeared in the proposed decision.

### **3. Earnings Claims**

In this section we describe the current DSM incentive mechanisms and summarize the areas of initial dispute among the parties. We also present the agreed upon resolution of issues reached by the parties during the course of this proceeding, and our final determinations.

#### ***3.1 Current DSM Incentive Mechanisms***

The utilities' earnings claims are a product of the DSM incentive mechanisms we adopted in our DSM Rulemaking (R.) 91-08-003 and companion Investigation (I.) 91-08-002. Briefly, these incentive mechanisms provide the utility the

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<sup>1</sup> E-Tables refer to the reporting requirements, as adopted in our M&E protocols, for utilities to use when they file an application for authorization to recover DSM earnings. They show the cost and benefit elements used to calculate shareholder earnings for each earnings claim on an aggregated and program-specific basis.

opportunity to earn when DSM programs produce ratepayer benefits. More specifically, the utility has the opportunity to earn 30% of net resource benefits for all new construction and retrofit energy efficiency activities.

These savings are calculated separately for two portfolios, residential and nonresidential. Before any earnings can accrue, the utility must achieve 75% of forecasted performance for each portfolio, as verified in the first earnings claim. Shareholders must reimburse ratepayers if verified savings from DSM do not exceed costs. These penalties will accrue for each portfolio at a 100% rate, up to the total amount of DSM expenditures recovered in rates.

We apply performance adder incentives to DSM programs that serve equity goals or provide service whose long-term savings are difficult to quantify, i.e., direct assistance and energy management services. Our adopted performance adder mechanisms for program year 1995 incorporate performance factors that motivate the utilities to reduce the cost and increase the amount of kilowatt-hour savings generated by these programs. Specifically, the amount of earnings (5% of program expenditures) is reduced or increased depending on the extent to which current year costs per megawatt-hour (MWh) or therm are higher or lower than prior year costs.<sup>2</sup>

In accordance with our rules, each utility claims its total earnings based on the prior year's achievements. The utilities are then eligible for recovery of those claims in four equal installments, which are recovered in rates in the first, second, fifth, and tenth years after program year implementation. For a few types of programs the fourth installment is made in the seventh year.

The first earnings claim for each program year's achievements is based on actual, verified program costs, participation levels, and forecasted savings. The following years' claims are then adjusted for revised savings estimates based on

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<sup>2</sup>The incentive mechanisms applicable to the 1994 programs vary among utilities. A more detailed description of the shared-savings and performance adder mechanisms and their development can be found in our 1994 and 1995 AEAP decisions, D.94-12-021 and D.95-12-054.

additional verification efforts. Our adopted M&E protocols provide a comprehensive methodology for verifying savings and linking the results of measurement studies to earnings recovery. These protocols were adopted in D.93-05-063.

### ***3.2 Initial Earnings Disputes and Proposed Resolution***

The Case Management Statement (Exhibit 23) presents the status of the parties' positions at the start of evidentiary hearings. We summarize that status, by utility, in the following sections. As indicated below, all monetary issues were resolved among the parties. Attachment 1 presents a summary of the 1997 earnings claims, by utility. Attachment 2 presents the corresponding E-tables.

#### **3.2.2 PG&E**

PG&E requested \$590,000 for its PY94 second earnings claim for selected programs, \$19.83 million for its PY95 second earnings claim, and \$8.07 million for its PY96 first earnings claim. In its August 25, 1997 report, ORA recommended a \$15.96 million life-cycle earnings reduction for PY95 and a \$3.02 million life-cycle earnings reduction for PY96. ORA's adjustments were based on three issues: the net-to-gross ratio,<sup>3</sup> savings claims for production increments, and some individual rebate applications where ORA's consultants believed that they had inadequate documentation to verify the earnings claim. In general, the Independent Reviewers directed that adjustments be made to PG&E's verification methods that would reduce earnings claims closer to ORA's recommendations.

Taking into account the recommendations in the Independent Reviewers' report, PG&E and ORA agreed to a \$12.08 million reduction in the shared savings claim for PY95 and a \$574,000 reduction for PY96.

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<sup>3</sup>The net-to-gross ratio is an adjustment to the gross energy savings from all applications to adjust for such factors as free riders (participants in utility DSM programs who would have installed efficiency measures even in the absence of the program) and spillover effects (savings that occur when people install efficiency measures because of the program's existence, but do not actually participate in the program.)

### 3.2.3 SCE

SCE requested \$397,000 for its PY94 second earnings claim for selected programs, \$309,000 for its PY95 second earnings claim related to the refrigerator recycling program, and \$4.49 million for its PY96 first earnings claim. ORA originally recommended a reduction of \$779,000 in SCE's earnings claims. The dispute between SCE and ORA focused primarily on the manner in which SCE estimated unit energy consumption for its PY94 and PY95 refrigerator recycling program. The Independent Reviewers agreed with most of the challenges raised by ORA's consultants, finding that SCE did not support its estimates based on empirical documentation.

ORA and SCE reached agreement on the use of an alternate source for refrigerator unit energy consumption. SCE also agreed to a correction ORA made to the incremental earnings claimed for SCE's commercial energy efficiency incentive program. As a result of these agreements, SCE's earnings claim was reduced by \$514,000.

### 3.2.4 SDG&E

SDG&E requested \$131,000 for its PY94 second earnings claim for nonresidential new construction, \$10.25 million for its PY95 second earnings claim, and \$10.27 million for its PY96 first earnings claim. ORA originally recommended a reduction in SDG&E's earnings claims of \$2.93 million. ORA's objections focused primarily on the manner in which SDG&E expanded results of a study from the sample to the population and excluded certain cases from the analysis. The Independent Reviewers generally supported ORA's position on these issues, but found SDG&E's rationale for excluding certain cases from the analysis defensible in some instances.

Taking the Independent Reviewers' recommendations into account, ORA and SDG&E agreed to a \$1.23 million reduction in SDG&E's original earnings claim.

SDG&E and ORA also reached agreement on the issue of earnings eligibility when production increments are involved. SDG&E and ORA submitted a

Joint Statement (Exhibit 25) at evidentiary hearings articulating their agreement as follows:

"ORA and SDG&E agree that utilities should be eligible for shareholder incentives for production increments when the customer would have increased production in the absence of the program. The parties also agree with the position taken by the Independent Reviewers, as stated in their report, as follows:

'In short, when production increments occur, in order to be eligible for deferred savings credit, the utilities should be required to establish beyond a reasonable doubt that they did not cause the increase.'

"ORA and SDG&E expect that the needed protocols will be developed by CADMAC and be submitted for approval in the 1998 AEAP."

### 3.2.5 SoCal

SoCal requested \$158,000 for its PY94 second earnings claim, \$1.06 million for its PY95 earnings claim, and \$484,000 for its PY96 first earnings claim. ORA recommended a reduction of \$51,000 to SoCal's estimated PY96 life-cycle savings, and SoCal had no objection. This adjustment reduces SoCal's PY96 first earnings claim to \$470,000.

### 3.2.6 Discussion

We have reviewed the monetary recommendations in this proceeding and find that the agreements reached by ORA and the utilities regarding earnings claims represent a reasonable resolution of disputed issues. In particular, we note that the adjustments take into account the findings of the Independent Reviewers, who serve in an advisory capacity to this Commission. The Independent Reviewers' recommendations have greatly assisted us and the parties by providing an objective evaluation of the disputed measurement issues in this proceeding.

In its brief, PG&E argues that the Commission should not adopt the standard of proof agreed to by ORA and SDG&E with regard to earnings claims for production increments. PG&E is also concerned that the joint statement (Exhibit 25) may be adopted as a universal standard. (PG&E Brief, p. 7.) We agree with PG&E that the standard "beyond a reasonable doubt" is inappropriate in the context of our

ratemaking proceedings. However, we believe that the intent of the Independent Reviewers' recommendations, namely, to require a strong showing by the utilities, is reasonable in this circumstance:

"...the existing shareholder incentive mechanisms have a specific purpose: to encourage utilities to save energy. A case can be made that if they are to serve this purpose effectively, then utilities must be penalized when their programs increase energy consumption in the same manner that they are rewarded when their programs save energy. A case could also be made that, particularly under restructuring, market forces alone offer utilities plenty of incentives to help their industrial customers increase production capacity.

"Are we advocating in practical terms that evaluations measure the dissavings resulting from production increments induced by utilities, and that these be subtracted from the savings credited to the utility? No, we are not. Production levels can vary widely from year to year, and measuring the extent to which utility programs contributed to any increase would be sufficiently hard to do with any precision that utilities would run a risk of erroneously having their entire program savings eliminated—or worse. This would not be in society's interests, as it would discourage utilities from aggressively marketing their programs.

"However, we do think that the potential for uncredited *dis*-savings under the approach agreed to by PG&E and ORA has practical implications for the way in which the issue of deferred savings should be approached. Quite simply, when production increases following program participation, if the utilities are to be *unpenalized* when it is discovered that they *did* induce the increase, but *rewarded* when it is discovered that they *did not* induce the increase, then we would argue that the latter situation should carry a heavy burden of proof. In short, when production increments occur, in order to be eligible for deferred savings credit, the utilities should be required to establish beyond a reasonable doubt that they did not cause the increase." (Exhibit 22, p. 49.)

We will modify the standard of proof described above to reflect our expectation that the utility always has the burden of proving that it did not induce any observed increase in production. Future protocols for deferred savings should begin



with this premise. We direct CADMAC to produce new protocols for deferred savings claims based on this principle.

Table 1 summarizes today's earnings authorizations, with and without interest, franchise fees and uncollectibles (FF&U). Table 1 also summarizes our most current estimates of net benefits associated with each utility's 1994, 1995, and 1996 DSM programs. Net benefits are defined as the resource benefits of DSM less the costs before earnings, on a life-cycle basis. Net benefits are adjusted for free riders, i.e., program participants who would have implemented the energy efficiency measure or practice even in the absence of the utility program.

As indicated in Table 1, we estimate that PG&E's 1994, 1995, and 1996 DSM programs will produce life-cycle net benefits of approximately \$579 million before earnings. This translates into earnings (under our current incentive mechanisms) of approximately \$115 million, to be recovered over 7 to 10 years. These estimates are subject to modification, based on savings verification efforts we undertake in future AEAPs.

In the 1995 AEAP, PG&E was authorized \$4.829 million in earnings for 1994 program activities, based on first-year estimates of performance. In the 1996 AEAP, we authorized \$22.317 million as the second-year earnings claim for PG&E's 1994 programs and the first-year earnings claim for 1995 programs. Today, we authorize a total of \$22.310 million in earnings (\$26.146 million including FF&U and interest). They are based on the verification of program performance and estimates of net resource developed in this proceeding. This represents \$23.228 million in earnings for electric DSM programs and \$2.917 million for gas programs, including FF&U and interest. (See Attachment 1.)

For SDG&E's 1994, 1995, and 1996 DSM programs, we estimate life-cycle net benefits of approximately \$272 million (before earnings). Under our current DSM incentive mechanisms, SDG&E is eligible to receive shareholder earnings of approximately \$78 million for these program years, recoverable over a 7- to 10-year period. As discussed above, these estimates are subject to savings measurement and verification undertaken in future AEAPs.

In the 1995 AEAP, SDG&E was authorized to recover \$2.246 million as the first-year claim for its 1994 program activities. In the 1996 AEAP, we authorized \$10.204 million for SDG&E's first-year claim for 1995 programs and second-year claim for 1994 programs. By today's order, we authorize another \$19.465 million (\$20.997 million including FF&U and interest). This represents \$19.393 million in earnings for electric DSM programs and \$1.604 million for gas programs, including FF&U and interest. (See Attachment 1.)

SoCal's 1994, 1995, and 1996 shared-savings programs are estimated to produce \$16 million in life-cycle net benefits before earnings. Earnings for these program years are estimated to total \$6.7 million, to be recovered over 7 to 10 years. SoCal has already been authorized \$556,000 in the 1995 AEAP and \$1.7 million in the 1996 AEAP for 1994 and 1995 program activities. Today, we authorize an additional \$1.683 million (\$1.893 million including FF&U and interest), based on the measurement verification conducted in this proceeding.

Finally, we project that SCE's 1994, 1995, and 1996 DSM programs will produce approximately \$246 million in life-cycle net benefits, before earnings. As indicated in Table 1, life-cycle earnings for these programs are estimated at \$23 million. We have already authorized \$3.206 million in earnings in the 1995 and 1996 AEAPs. By today's decision, we authorize an additional \$4.679 million in earnings (\$4.916 million with FF&U and interest) for 1994, 1995, and 1996 program activities.

### ***3.2. Consensus Modifications to Ex Post Measurement Protocols***

As described in Exhibit 16, the CADMAC reached consensus on recommendations for the Commission to modify our adopted protocols, which we summarize below:

- A. Establish dates for future AEAPs for the filing of utility load impact studies, earnings summary and technical appendices, as presented in Table 2.
- B. Adopt protocols for implementing and reporting the results of parallel load impact studies.
- C. Add the Quality Assurance Guidelines for Statistical, Engineering, and Self-Report Methods for Estimating DSM Program Impacts as Appendix J to the protocols.

- D. Change the definition of a Load Impact Regression Model in Appendix A - Measurement Terms and Definitions.
- E. Change Table 5 - Protocols for the General Approach to Load Impact Measurement.
- F. Change the requirement of the use of comparison groups.
- G. Suspend further work on contingent valuation of indirect costs and benefits until the more direct approach of asking or determining the value of certain indirect costs and benefits has a chance to be tested in programs under study.

All parties recommend the adoption of these modifications, as do CADMAC's Independent Reviewers. We have reviewed CADMAC's rationale for each of these changes and concur with the consensus position that they are reasonable.

The Independent Reviewers point out that the disputes on measuring net-to-gross ratios in this proceeding raise an interpretation issue with regard to consensus recommendation C above. PG&E interprets those protocols to mean that survey-based analyses of free riding should focus only on first-year impacts, and ignore "accelerated free riders," i.e., program participants who say they would have purchased the measure they did a year or more later in the absence of the program. We agree with the findings of the Independent Reviewers that the protocols do not bar incorporation of accelerated free riding into survey analyses conducted as part of first-year load impact studies. (See Exhibit 22, Appendix.) We believe that survey analyses should attempt to incorporate accelerated free riding to the extent this can be done reliably. CADMAC should discuss this issue further with the goal of developing reliable methods or protocols.

### **3.3 Ratemaking**

Ordering Paragraph 1 in D.97-10-057 prevents an electric utility from recovering revenues during the rate freeze period except as authorized in Assembly Bill 1890 and implemented by the Commission. Conclusion of Law 3 prohibits the use of any regulatory account to accrue costs or revenues during the rate freeze for the purpose of affecting rates either during or after the rate freeze. Taken in combination, these principles mean that the electric DSM earnings addressed in this proceeding must come from "headroom". PG&E proposes to accomplish this policy by adjusting the

distribution component of its frozen, unbundled electric rate. SDG&E and SCE propose to add the DSM reward amount to the Competition Transition Charge (CTC) balance to be collected by the CTC component of the frozen, unbundled rate.

We reject SDG&E's and SCE's proposal. In D.97-12-042, issued on December 4, 1997 in response to a petition to modify D.96-08-038, we stated our policy that only those costs included in the statutory descriptions of transition costs should be included in transition cost balancing accounts. (D.97-12-042, mimeo. p. 9.) DSM earnings are not such costs. We will adopt a variation on PG&E's proposal. The amount of pre-1998 DSM earnings tracked by the utilities should be used to adjust the distribution revenue requirement in calculating headroom. We will oversee this allocation matter in our revenue allocation proceeding.

With regard to collection of the gas portion of the earnings addressed in this proceeding, we will defer the related rate increase to the next gas rate adjustment for SoCal, SDG&E, and PG&E. SDG&E expects that this change will occur in June 1998. For PG&E and SoCal, the gas revenue requirement change may be rolled into any pending or future Biennial Cost Adjustment Clause proceedings (BCAP) or other applications where gas rate adjustments are requested. SoCal, SDG&E, and PG&E should include the gas revenue increases authorized today in their very next request for gas rate adjustments. If a request for gas rate adjustment is currently pending, the utility should notify the assigned ALJ in writing to request inclusion of these revenues, and serve a copy of the request on all parties to the applicable proceeding.

In D.97-09-041, we established accounting procedures for the utilities to track earnings associated with the 1997 AEAP, pending a final decision in this proceeding. As directed in that decision, the 1997 AEAP earnings, accruing in the utilities' tracking accounts shall be adjusted to reflect today's final authorized earnings, are summarized in Table 1 and reflected in the attached PY94, PY 95, and PY96 E-Tables (Attachment 2). Consistent with past practices, today's authorizations include FF&U and interest. Interest accrues on July 1 of the year following program expenditures at the 90-day commercial paper rate. (See D.97-09-041, Ordering Paragraph 1.)

### **Findings of Fact**

1. SoCal's earnings claims for PY94, PY95, and PY96 DSM activities are consistent with the findings of ORA's verification efforts.
2. The agreements reached between ORA and SCE, SDG&E, and PG&E regarding disputed measurement studies take into account the findings of the Independent Reviewers.
3. The Independent Reviewers' recommended standard of proof regarding production increments ("beyond a reasonable doubt") is inappropriate for our ratemaking proceedings.
4. Under our current incentive mechanisms, utilities are rewarded when it is discovered that they do not induce production increases, but are not penalized when it is discovered that they do induce the increases.
5. CADMAC has proposed consensus modifications to the M&E protocols in this proceeding that were endorsed by the Independent Reviewers and supported by all parties.
6. The protocols recommended by CADMAC do not bar incorporation of accelerated free riding into survey analyses conducted as part of first-year load impact studies.
7. The principles adopted in D.97-10-057 dictate that the electric DSM earnings addressed in this proceeding must come from headroom.
8. DSM earnings are not costs that are included in the statutory descriptions of transition costs.

### **Conclusions of Law**

1. The utilities' earnings claims for 1994, 1995, and 1996 activities, as agreed to by all parties and reflected in the attached E-Tables (Attachment 2), are reasonable and should be adopted.
2. When production increments occur, in order to be eligible for deferred savings credit, the utilities should always have the burden of proving that they did not induce any observed increase in production. Future protocols for deferred savings should

begin with this premise. CADMAC should produce new protocols for deferred savings based on this principle.

3. The consensus recommendations made by CADMAC in this proceeding, as set forth in Exhibit 16, are reasonable and should be adopted.

4. Survey analyses should attempt to incorporate accelerated free riding to the extent this can be done reliably. CADMAC should discuss this issue further with the goal of developing reliable methods or protocols.

5. Authorized DSM earnings should not be included in transition cost balancing accounts. Rather, they should be used to adjust the distribution revenue requirement in calculating headroom. The Commission should oversee this allocation matter in our revenue allocation proceeding.

6. Rate increases related to collection of the gas portion of DSM earnings should be deferred to the next gas rate adjustment for SoCal, SDG&E, and PG&E, as discussed in this decision.

7. This order should be effective today to allow any necessary rate changes to occur expeditiously.

#### **O R D E R**

**IT IS ORDERED** that:

1. Pacific Gas and Electric Company (PG&E) is awarded \$114.776 million in life-cycle earnings for its program year 1994 (PY94), program year 1995 (PY95), and program year 1996 (PY96) demand-side management (DSM) programs, based on life-cycle net benefits (before earnings) estimated at \$578.823 million. These earnings are recoverable over a 10-year measurement period. They are subject to change depending on the results of additional ex post measurement studies required under our measurement and evaluation (M&E) protocols.

2. In 1998, PG&E is authorized \$26.146 million in DSM earnings, including interest and franchise fees and uncollectibles (FF&U). This amount reflects the first-year claim for PY96 programs, the second-year claim for PY95 programs, and the second-year claim for selected PY94 programs.

3. PG&E shall adjust the electric distribution revenue requirement in calculating headroom by \$23.228 million. PG&E shall include gas revenues of \$2.917 million in its next application for gas rate adjustments. If an application for gas rate adjustment is currently pending, PG&E shall notify the assigned Administrative Law Judge (ALJ) in writing to request inclusion of these revenues, and serve a copy of the request on all parties to the pending proceeding.

4. San Diego Gas & Electric Company (SDG&E) is awarded \$78.545 million in life-cycle earnings for its PY94, PY95, and PY96 DSM programs, based on life-cycle net benefits (before earnings) estimated at \$272.305 million. These earnings are recoverable over a 10-year measurement period. They are subject to change depending on the results of additional ex post measurement studies required under our M&E protocols.

5. In 1998, SDG&E is authorized \$20.997 million in DSM earnings, including interest and FF&U. This amount reflects the first-year claim for PY96 programs, the second-year claim for PY95 programs, and the second-year claim for selected PY94 programs.

6. SDG&E shall adjust the electric distribution revenue requirement in calculating headroom by \$19.393 million. SDG&E shall include the gas revenues of \$1.604 million authorized today in its next application for gas rate adjustments. If an application for gas rate adjustment is currently pending, SDG&E shall notify the assigned ALJ in writing to request inclusion of these revenues, and serve a copy of the request on all parties to the applicable proceeding.

7. Southern California Edison Company (SCE) is awarded \$23.314 million in life-cycle earnings for its PY94, PY95, and PY96 DSM programs, based on life-cycle net benefits (before earnings) estimated at \$246.348 million. These earnings are recoverable over a 10-year measurement period. They are subject to change depending on the results of additional ex post measurement studies required under our M&E protocols.

8. In 1998, SCE is authorized \$4.916 million in DSM earnings, including FF&U. This amount reflects the first-year claim for PY96 programs, the second-year claim for PY95 programs, and the second-year claim for selected PY94 programs. SCE shall adjust the electric distribution revenue requirement in calculating headroom by \$4.916 million.

9. Southern California Gas Company (SoCal) is awarded \$6.733 million in life-cycle earnings for its PY94, PY95, and PY96 DSM programs, based on life-cycle net benefits (before earnings) estimated at \$246.348 million. These earnings are recoverable over a 10-year measurement period. They are subject to change depending on the results of additional ex post measurement studies required under our M&E protocols.

10. In 1998, SoCal is authorized \$1.893 million in DSM earnings, including interest and FF&U. This amount reflects the first-year claim for PY96 programs, the second-year claim for PY95 programs, and the second-year claim for selected PY94 programs. SoCal shall include the gas revenues of \$1.893 million authorized today in its next application for gas rate adjustments. If an application for gas rate adjustment is currently pending, SoCal shall notify the assigned ALJ in writing to request inclusion of these revenues, and serve a copy of the request on all parties to the applicable proceeding.

11. We adopt the E-tables appended to this decision in Attachment 2.

12. We adopt the protocol modifications recommended by the California DSM Measurement Advisory Committee (CADMAC) and presented in Exhibit 16. Within 120 days of the effective date of this decision, the Energy Division shall work with CADMAC to incorporate the adopted protocol modifications into the M&E protocols adopted in Decision (D.) 93-05-063, as modified by D.94-05-063, D.94-10-059, D.94-12-021, and D.96-12-079. The Energy Division shall file the revised set of protocols with the Commission's Docket Office and shall serve copies on the appearances and state service list in this proceeding and all CADMAC members (including the Energy Division's independent reviewers), and shall send a Notice of Availability to the service list in this proceeding and to the Special Public Purpose service list in Rulemaking (R.) 94-04-032/Investigation (I.) 94-04-032.

13. We adopt the schedule attached to this decision (Table 2) for the 1998 and 1999 Annual Earnings Assessment Proceeding (AEAP).

14. When production increments occur, in order to be eligible for deferred savings credit, the utilities shall always have the burden of proving that they did not induce any observed increase in production. Future protocols for deferred savings shall begin with



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this premise. CADMAC shall produce new protocols for deferred savings based on this principle in the 1998 ABAP.

15. Applications 97-05-002, 97-05-004, 97-05-005, and 97-05-026 are closed.

This order is effective today.

Dated March 26, 1998, at San Francisco, California.

RICHARD A. BILAS  
President  
P. GREGORY CONLON  
JESSIE J. KNIGHT, JR.  
HENRY M. DUQUE  
JOSIAH L. NEEPER  
Commissioners

Table 1  
 ESTIMATED LIFECYCLE NET BENEFITS, EARNINGS,  
 AND REVENUE AUTHORIZATIONS FOR DSM PROGRAMS<sup>1</sup>  
 (in millions of dollars)

	Lifecycle Net Benefits (Before Earnings) PY94	Lifecycle Net Benefits (Before Earnings) PY95	Lifecycle Net Benefits (Before Earnings) PY96	Lifecycle Net Benefits (Before Earnings) PY94/PY95/PY96	Lifecycle Earnings PY94/PY95/PY96	1995 AEAP Authorization PY94 - EC #1 w/o FF&U & Interest	1996 AEAP Authorization PY94 - EC #2 PY95 - EC #1 w/o FF&U & Interest	1997 AEAP Authorization PY94 - EC #2 PY95 - EC #2 PY96 - EC #1 w/o FF&U & Interest	1997 AEAP Authorization w/FF&U & Interest
<b>PG&amp;E</b>									
Shared Savings	236,280	198,885	97,028	532,193	107,911	3,986	21,337	21,002	
Performance Adder	38,698	24,005	-16,073	46,630	6,865	0,843	0,940	1,308	
Total	274,978	222,890	80,955	578,823	114,776	4,829	22,317	22,310	26,146
<b>SDG&amp;E</b>									
Shared Savings	51,951	91,474	128,862	272,307	78,173	2,202	10,119	19,372	
Performance Adder	-0,003	-0,004	0,005	-0,002	0,372	0,044	0,085	0,093	
Total	51,948	91,470	128,867	272,305	78,545	2,246	10,204	19,465	20,997
<b>SCE</b>									
Shared Savings	117,321	2,484	54,627	174,432	21,678	1,778	1,236	4,292	
Performance Adder	11,211	35,878	24,827	71,916	1,636	0,022	0,170	0,387	
Total	128,532	38,362	79,454	246,348	23,314	1,800	1,406	4,679	4,916
<b>SCG</b>									
Shared Savings	14,846	13,473	4,522	32,841	5,345	0,295	1,256	1,336	
Performance Adder	-11,199	-3,779	-1,686	-16,664	1,388	0,261	0,355	0,347	
Total	3,647	9,694	2,836	16,177	6,733	0,556	1,611	1,683	1,893

<sup>1</sup> Estimated lifecycle benefits and earnings are based on ex post measurement results presented in this proceeding. Net benefits reflect resource benefits (adjusted for free riders) do not include utility administrative and incentive costs, participant out-of-pocket expenditures, and lifecycle measurement costs. (see utilities' "Summary of 1997 AEAP Earnings" tables).

**TABLE 2**  
**DEMAND-SIDE MANAGEMENT**  
**ANNUAL EARNINGS ASSESSMENT PROCEEDING SCHEDULE**

	1998 AEAP	1999 AEAP
<b>EARNINGS CLAIM YEAR</b> (costs, benefits, and earnings from prior year programs)	PY97 First Earnings Claim PY96 Second Earnings Claim	PY98 First Earnings Claim PY97 Second Earnings Claim PY94 Third Earnings Claim
<b>EARNINGS CLAIM SCHEDULE</b> <sup>1</sup>		
Load Impact studies used to substantiate earnings claims <sup>2</sup>	March 2	March 1
Draft Section VIII (earnings) of DSM Annual Summary	April 15	April 15
DSM Annual Summary (including Final Section VIII) and Technical Appendix	May 1	May 3
Utility Earnings Claim Application	May 1	May 3
ORA Testimony	August 24	August 23
CADMAC Testimony <sup>3</sup>	September 8	September 7
Other Intervenors' Testimony	September 8	September 7
Utility Reply Testimony <sup>4</sup>	September 21	September 20
Energy Division's Independent Reviewers Report <sup>5</sup>	October 13	October 12
Utility Reply Testimony to Independent Review Report	October 20	October 19
Case Management Statement	October 26	October 25
Hearings (if necessary)	November 2-13	November 1-12
Opening Briefs	November 30	November 29
Reply Briefs	December 7	December 6
Proposed Decision	February	February
Final Decision	March	March
<b>FORECAST YEAR</b> (costs, benefits, and earnings for next year's programs)	1998 Programs	1999 Programs
<b>FORECAST SCHEDULE</b>		
Utility Forecast Filing <sup>6</sup> (including target earnings)	October 1	October 1

<sup>1</sup> All dates in the Earnings Claim Schedule after May 1 are subject to modification by the ALJ at the prehearing conference.

<sup>2</sup> ORA and the utilities expect a continuation of the current practice of allowing some studies to be filed later than the March date on a case by case basis.

<sup>3</sup> Includes prospective Protocol modifications and Appendix Z filings for current or forecast year programs.

<sup>4</sup> May include testimony on ORA testimony, CADMAC testimony, or Other Intervenors' Testimony.

<sup>5</sup> Two reports may be issued: one on CADMAC's consensus and nonconsensus recommendations, and one on any disputed M&E issues.

<sup>6</sup> This may be an advice letter filing or application. It is included for the sake of completeness and is not part of the AEAP. Will not continue for 1999 programs unless authorized by the CPUC.

**PACIFIC GAS AND ELECTRIC COMPANY  
SUMMARY OF 1997 AEAP EARNINGS CLAIM  
(1994, 1995, AND 1996 PROGRAM YEARS)**

REVISED 12/3/97

A.97-05-002 et al.

(In millions of \$)	PY 1994 2nd Earnings Claim [1]			PY 1994 2nd Earnings Claim [2]			PY 1995 2nd Earnings Claim			PY 1996 First Earnings Claim			1997 AEAP Total Earnings Claim		
	Electric (m)	Gas (n)	Total (o)=(m)+(n)	Electric (a)	Gas (b)	Total (c)=(a)+(b)	Electric (d)	Gas (e)	Total (f)=(d)+(e)	Electric (g)	Gas (h)	Total (i)=(g)+(h)	Electric (j)=(m)+(d)+(g)	Gas (k)=(n)+(e)+(h)	Total (l)=(j)+(k)
1 DSM Expenditures (BS/PA)	\$160,144	\$35,458	\$195,602	\$37,932	\$4,238	\$42,170	\$107,473	\$27,137	\$134,610	\$100,248	\$8,181	\$108,429	\$367,865	\$68,758	\$436,623
2 1st Year Net Savings, Adjusted															
3 Energy(gWh)	671		671	103		103	414		414	375		375	1,460		1,460
4 Capacity(mW)	138		138	23		23	90		90	72		72	300		300
5 Therms(thousand)		10,338	10,338		646	646		16,781	16,781		5,660	5,660		32,779	32,779
6 Net Benefits, (TRC w/o earnings)															
7 Shared Savings Programs	\$218,411	\$17,869	\$236,280	\$2,909	(\$1,273)	\$1,636	\$172,166	\$26,719	\$198,885	\$91,926	\$5,102	\$97,028	\$482,503	\$49,690	\$532,193
8 kWh	\$163,715		\$163,715	\$2,465		\$2,465	\$128,758		\$128,758	\$76,489		\$76,489	\$368,962		\$368,962
9 MW	\$54,696		\$54,696	\$3,444		\$3,444	\$43,408		\$43,408	\$15,437		\$15,437	\$113,541		\$113,541
10 Therms		\$17,869	\$17,869		(\$1,273)	(\$1,273)		\$26,719	\$26,719		\$5,102	\$5,102		\$49,690	\$49,690
11 Performance Adder	\$35,329	\$3,369	\$38,698	\$44,253	\$4,944	\$49,197	\$18,724	\$5,281	\$24,005	(\$15,142)	(\$9,931)	(\$25,073)	\$38,911	\$7,719	\$46,630
12 Earnings Claims (total over period)															
13 Shared Savings (total over period)	\$14,665	\$1,458	\$16,123	\$9,470	\$9,053	\$9,523	\$52,791	\$8,480	\$61,271	\$28,750	\$1,767	\$30,517	\$82,011	\$10,300	\$92,311 [5]
14 First Earnings Claim	\$3,722	\$9,370	\$4,092	\$9,095	\$9,011	\$9,106	\$15,810	\$1,607	\$17,417	\$7,188	\$9,442	\$7,629	\$7,188 [3]	\$9,442 [3]	\$7,629 [3]
15 Second Earnings Claim	\$3,706	\$9,369	\$4,075	\$9,139	\$9,016	\$9,155	\$11,389	\$1,829	\$13,218	NA	NA	NA	\$11,528 [4]	\$1,845 [4]	\$13,373 [4]
16 Perf. Adder (total over period)	\$2,952	\$9,420	\$3,372	\$1,565	\$9,175	\$1,740	\$1,785	\$9,503	\$2,288	\$1,135	\$9,070	\$1,205	\$4,485	\$9,748	\$5,233 [3]
17 First Earnings Claim	\$1,108	\$9,170	\$1,278	\$9,391	\$9,044	\$9,435	\$9,512	\$9,060	\$9,572	\$9,284	\$9,018	\$9,301	\$9,284 [3]	\$9,018 [3]	\$9,301 [3]
18 Second Earnings Claim	\$9,738	\$9,105	\$9,843	\$9,391	\$9,044	\$9,435	\$9,493	\$9,079	\$9,572	NA	NA	NA	\$9,864 [4]	\$9,123 [4]	\$11,007 [4]
19 Amount Recovered in 1997				\$9,000	\$9,000	\$9,000	\$16,122	\$1,867	\$17,989	NA	NA	NA	NA	NA	NA
20 Amount to be Recovered in 1998				\$9,530	\$9,060	\$9,590	\$11,882	\$1,908	\$13,790	\$7,471	\$9,459	\$7,931	\$19,863	\$2,427	\$22,311
21 Flow through into what Proceeding?				See Note [6]	BCAP		See Note [6]	BCAP		See Note [6]	BCAP		See Note [6]	BCAP	
22 Interest Calculation 1997				NA	NA	NA	\$1,757	\$9,203	\$1,960	NA	NA	NA	NA	NA	NA
23 Interest Calculation 1998				\$9,093	\$9,010	\$9,103	\$2,199	\$9,394	\$2,593	\$9,829	\$9,051	\$9,880	\$3,121	\$9,455	\$3,576
24 Fran. Fees & Uncollectibles Calc. 1997				\$9,000	\$9,000	\$9,000	\$9,174	\$9,026	\$9,200	NA	NA	NA	NA	NA	NA
25 Fran. Fees & Uncollectibles Calc. 1998				\$9,006	\$9,001	\$9,007	\$9,137	\$9,028	\$9,165	\$9,081	\$9,006	\$9,087	\$9,224	\$9,035	\$9,259
26 Total Amount Collected in 1997				\$9,000	\$9,000	\$9,000	\$18,053	\$2,098	\$20,149	NA	NA	NA	NA	NA	NA
27 Total Amount to be Collected in 1998				\$9,629	\$9,071	\$9,700	\$14,218	\$2,330	\$16,548	\$8,381	\$9,516	\$9,898	\$23,228	\$2,917	\$26,146
Shared Savings Programs	Residential Appliance Efficiency Incentives, Residential Weatherization Retrofit Incentives, Residential New Construction, Nonresidential New Construction, Commercial EEI, Industrial EEI, Agricultural EEI														
Performance Adder Programs	Residential New Construction, Nonresidential New Construction, Residential EMS, Nonresidential EMS, Direct Assistance (Non-Mandatory)														

ATTACHMENT 1  
Page 1

**Notes:**

- Total PY94: DSM Expenditures, 1st Year Net Savings, Net Benefits, and Earnings Claims (lines 1 - 18) represent the total lifecycle amounts for Program Year 1994.
- Incremental PY94: Lines 1 - 18 represent only the incremental amounts for the PY94 retroactive waivers - Res Weatherization, Res Appliance Efficiency, Res New Construction, and Nonres New Construct programs requested in the 1997 AEAP.
- Includes only Program Year 1996.
- Includes only Program Years 1994 and 1995.
- This amount equals to total earnings claim over the ten year period for incremental PY94 (see note #2), PY95 and PY96, taken from E-1 tables.
- When the 1997 AEAP Decision is issued, PG&E will file an advice letter to reflect the change of this shareholder incentive in the Public Purpose Program Revenue Requirement.

**SAN DIEGO GAS & ELECTRIC COMPANY  
SUMMARY OF 1987 AZAP EARNINGS CLAIMS  
(1984, 1985, AND 1986 PROGRAM YEARS)  
(In millions of \$)**

	PY 1984 Second Earnings Claim [1]			PY 1984 Second Earnings Claim [2]			PY 1985 Second Earnings Claim			PY 1986 First Earnings Claim			1987 AZAP Total Earnings Claim		
	Electricity @	Gas @	Total @	Electricity @	Gas @	Total @	Electricity @	Gas @	Total @	Electricity @	Gas @	Total @	Electricity @	Gas @	Total @
1 (AZAP Earnings) (S&P/A) [3]	\$73,302	\$5,705	\$79,007	\$73,302	\$5,705	\$79,007	\$73,302	\$5,705	\$79,007	\$73,302	\$5,705	\$79,007	\$73,302	\$5,705	\$79,007
2 First Year Net Savings, adjusted	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532
3 Capacity (p/h)	\$10,004	\$408,640	\$418,644	\$10,004	\$408,640	\$418,644	\$10,004	\$408,640	\$418,644	\$10,004	\$408,640	\$418,644	\$10,004	\$408,640	\$418,644
4 Thermo (p/h)	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532
5 Net Benefits (TRC sub-accounts)	\$49,021	\$2,430	\$51,451	\$49,021	\$2,430	\$51,451	\$49,021	\$2,430	\$51,451	\$49,021	\$2,430	\$51,451	\$49,021	\$2,430	\$51,451
6 Shared Savings Programs	\$41,327	\$1,984	\$43,311	\$41,327	\$1,984	\$43,311	\$41,327	\$1,984	\$43,311	\$41,327	\$1,984	\$43,311	\$41,327	\$1,984	\$43,311
7 WWH	\$8,194	\$2,430	\$10,624	\$8,194	\$2,430	\$10,624	\$8,194	\$2,430	\$10,624	\$8,194	\$2,430	\$10,624	\$8,194	\$2,430	\$10,624
8 WYV	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008
9 Thermo	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532	\$12,528	\$10,004	\$22,532
10 Performance Adder	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008	\$10,004	\$10,004	\$20,008
11 Earnings Claims	\$7,152	\$3,576	\$10,728	\$7,152	\$3,576	\$10,728	\$7,152	\$3,576	\$10,728	\$7,152	\$3,576	\$10,728	\$7,152	\$3,576	\$10,728
12 Shared Savings (total over period)	\$2,002	\$1,770	\$3,772	\$2,002	\$1,770	\$3,772	\$2,002	\$1,770	\$3,772	\$2,002	\$1,770	\$3,772	\$2,002	\$1,770	\$3,772
13 First Earnings Claim	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618
14 Second Earnings Claim	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618	\$1,543	\$1,075	\$2,618
15 Performance Adder (total over period)	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062
16 First Earnings Claim	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062
17 Second Earnings Claim	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062	\$1,062	\$1,000	\$2,062
18 Amount Reported in 1987	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734
19 Amount to be Reported in 1988	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734
20 Pass-through into other Proposals?	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21 Interest Calculation 1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22 Interest Calculation 1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23 Proportion Fees & Unsubsidized Calculation 1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24 Proportion Fees & Unsubsidized Calculation 1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25 Total Amount Collected in 1987	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734
26 Total Amount to be Collected in 1988	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734	\$17,867	\$17,867	\$35,734
27 Shared Savings Programs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28 Performance Adder Programs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[1] Data Specifications, First Year Net Savings, Net Benefits, and Earnings Claims (lines 1-19) represent the total benefits amounts for Program Year 1984.  
 [2] Data Specifications, First Year Net Savings, Net Benefits, and Earnings Claims (lines 1-19) represent only the incremental amounts for the PY1984 Incremental Net Construction Program.  
 [3] Gas and electric percentages apply based on either expenditures recorded in the Annual Summary Reports (1987 & 1988)  
 [4] Where the 1987 AZAP Decision is based, SOGAE will be the subject matter to include this amount in the additional Distribution revenue requirements.

SOUTHERN CALIFORNIA EDISON COMPANY  
SUMMARY OF 1987 AEP EARNINGS  
(1984, 1985, AND 1986 PROGRAM YEARS)

(In millions of \$)

	PY 1984 Annual Earnings Chain (1)			PY 1985 Annual Earnings Chain (2)			PY 1986 Annual Earnings Chain (3)			PY 1987 Annual Earnings Chain (4)		
	Share	Ops	Total	Share	Ops	Total	Share	Ops	Total	Share	Ops	Total
1 Gross Earnings (1984A, 1984B)	\$73,376	\$2,133	\$75,509	\$72,650	\$2,133	\$74,783	\$64,388	\$2,133	\$66,521	\$64,388	\$2,133	\$66,521
2 Year Year Net Earnings, Adjusted	646	136	782	441,387	501	942	476	71	547	476	71	547
3 Energy (net)	126	-	126	56,451	44	100	44	44	88	44	44	88
4 Other (net)	-	-	-	-	-	-	-	-	-	-	-	-
5 Taxes (Provision)	-	-	-	-	-	-	-	-	-	-	-	-
6 Net Earnings (1984, net earnings)	\$117,221	\$117,221	\$234,442	\$117,221	\$117,221	\$234,442	\$117,221	\$117,221	\$234,442	\$117,221	\$117,221	\$234,442
7 Shared Earnings Programs	\$102,146	\$102,146	\$204,292	\$102,146	\$102,146	\$204,292	\$102,146	\$102,146	\$204,292	\$102,146	\$102,146	\$204,292
8 1984	\$19,700	\$19,700	\$39,400	\$19,700	\$19,700	\$39,400	\$19,700	\$19,700	\$39,400	\$19,700	\$19,700	\$39,400
9 1985	-	-	-	-	-	-	-	-	-	-	-	-
10 Performance Adjuster	\$11,211	\$11,211	\$22,422	\$11,211	\$11,211	\$22,422	\$11,211	\$11,211	\$22,422	\$11,211	\$11,211	\$22,422
11 Earnings Chain	\$4,508	\$4,508	\$9,016	\$4,508	\$4,508	\$9,016	\$4,508	\$4,508	\$9,016	\$4,508	\$4,508	\$9,016
12 Shared Earnings (over period)	\$1,776	\$1,776	\$3,552	\$1,776	\$1,776	\$3,552	\$1,776	\$1,776	\$3,552	\$1,776	\$1,776	\$3,552
13 First Earnings	\$9,237	\$9,237	\$18,474	\$9,237	\$9,237	\$18,474	\$9,237	\$9,237	\$18,474	\$9,237	\$9,237	\$18,474
14 Second Earnings (Provision for PPA's)	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
15 Performance Adjusted (over period)	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
16 First Earnings	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
17 Second Earnings	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
18 Amount Transferred in 1987	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
19 Adjusted to be Reported in 1988	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
20 Prior through 1984 (Proposed?)	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
21 Interest Calculation 1987	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
22 Interest Calculation 1988	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
23 Provisions Plus & Uncollectible Calculation 1987	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
24 Provisions Plus & Uncollectible Calculation 1988	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
25 Total Amount Calculated in 1987	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
26 Total Amount to be Calculated in 1988	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
27 Shared Earnings & Earnings Programs	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000
28 Performance Adjuster Programs	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000

(1) 1984 Earnings (1984A, 1984B) represent the total payable amounts for Program Year 1984.  
 (2) 1985 Earnings (1985A, 1985B) represent the total payable amounts for Program Year 1985.  
 (3) 1986 Earnings (1986A, 1986B) represent the total payable amounts for Program Year 1986.  
 (4) 1987 Earnings (1987A, 1987B) represent the total payable amounts for Program Year 1987.  
 (5) The interest rate (0.0800) reflects an average of 1987 forecast rates well within uncertainty in January 1987.  
 (6) However, the full amount will not be reflected in rates until January 1987. The PPAU rate is 0.011217. The amount will be amortized over a twelve month period.  
 (7) The interest rate (0.0870) reflects an average of 1988 forecast rates and will mature commencing in January 1988.  
 (8) However, the full amount will not be reflected in rates until January 1988. The PPAU rate is 0.011217. The amount will be amortized over a twelve month period.

SOUTHERN CALIFORNIA GAS COMPANY  
SUMMARY OF 1987 AEAP EARNINGS CLAIM  
(1984, 1995 AND 1996 PROGRAM YEARS)  
(In thousands of \$)

	Pr 1984 2nd Earnings Claim [1]			Pr 1984 2nd Earnings Claim [2]			Pr 1984 2nd Earnings Claim			Pr 1984 2nd Earnings Claim			1987 AEAP Year Earnings Claim		
	Eligible	Claim	Total	Eligible	Claim	Total	Eligible	Claim	Total	Eligible	Claim	Total	Eligible	Claim	Total
1 DSM Expenditures (AS & PA)	NA	\$49,040	\$49,040	NA	\$4,763	\$4,763	NA	\$36,180	\$36,180	NA	\$18,843	\$18,843	NA	\$107,043	\$107,043
2 Savings Achieved	NA	20,477	20,477	NA	213	213	NA	16,824	16,824	NA	13,430	13,430	NA	60,759	60,759
3 Energy (GWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4 Capacity (MW)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5 Therms (thousands)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6 Net Benefits (over period)	NA	\$14,848	\$14,848	NA	\$0	\$0	NA	\$13,473	\$13,473	NA	\$4,022	\$4,022	NA	\$32,841	\$32,841
7 Shared Savings Programs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8 IWH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9 MW	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10 Therms	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11 Performance Adder	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12 Earnings Claims	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13 Shared Savings (total over period)	NA	\$1,181	\$1,181	NA	\$0	\$0	NA	\$3,844	\$3,844	NA	\$1,001	\$1,001	NA	\$5,346	\$5,346
14 First Earnings Claim	NA	\$205	\$205	NA	\$0	\$0	NA	\$861	\$861	NA	\$275	\$275	NA	\$1,238	\$1,238
15 Second Earnings Claim	NA	\$205	\$205	NA	\$0	\$0	NA	\$861	\$861	NA	\$275	\$275	NA	\$861	\$861
16 Performance Adder (over period)	NA	\$2,200	\$2,200	NA	\$0	\$0	NA	\$2,708	\$2,708	NA	\$2,708	\$2,708	NA	\$1,238	\$1,238
17 First Earnings Claim	NA	\$419	\$419	NA	\$168	\$168	NA	\$84	\$84	NA	\$85	\$85	NA	\$247	\$247
18 Second Earnings Claim	NA	\$419	\$419	NA	\$168	\$168	NA	\$84	\$84	NA	\$85	\$85	NA	\$247	\$247
19 Amount Recovered in 1987	NA	NA	NA	NA	\$0	\$0	NA	\$1,005	\$1,005	NA	NA	NA	NA	NA	NA
20 Amount to be Recovered in 1988	NA	NA	NA	NA	\$168	\$168	NA	\$1,005	\$1,005	NA	\$470	\$470	NA	\$1,683	\$1,683
21 Prior through What was Processed?	NA	NA	NA	NA	[2]	[2]	NA	[2]	[2]	NA	[2]	[2]	NA	[2]	[2]
22 Interest Calculation 1987	NA	NA	NA	NA	\$0	\$0	NA	\$06	\$06	NA	NA	NA	NA	NA	NA
23 Interest Calculation 1988	NA	NA	NA	NA	\$27	\$27	NA	\$118	\$118	NA	\$27	\$27	NA	\$173	\$173
24 PFLU Calculation 1987	NA	NA	NA	NA	NA	NA	NA	\$21	\$21	NA	NA	NA	NA	NA	NA
25 PFLU Calculation 1988	NA	NA	NA	NA	\$4	\$4	NA	\$23	\$23	NA	\$10	\$10	NA	\$37	\$37
26 Total Amount Collected in 1987	NA	NA	NA	NA	NA	NA	NA	\$1,132	\$1,132	NA	\$607	\$607	NA	\$1,683	\$1,683
27 Total Amount to be Collected in 1988	NA	NA	NA	NA	\$168	\$168	NA	\$1,197	\$1,197	NA	\$607	\$607	NA	\$1,683	\$1,683
Shared Savings Programs	Netless New Cases (NS), CBE														
Performance Adder Programs	Netless New Cases (NS), CBE, NSM														

[1] DSM Expenditures, First Year Net Savings, Net Benefits, and Earnings Claims (lines 1-18) represent the total lifecycle amounts for Program Year 1984.  
 [2] DSM Expenditures, First Year Net Savings, Net Benefits, and Earnings Claims (lines 1-18) represent only the incremental amounts for the PYS4 Residential New Construction Program requested in the 1987 AEAP.  
 [3] Annual true-up of Gas Balancing Accounts. For 1988 this will be amortized based on recent ALJ ruling on setting up trading account in lieu of AEAP Decision by 1/1/90.

## ROADMAP TO JOINT EXHIBIT 24 SUMMARY OF 1997 AEAP EARNINGS CLAIM

### Line 1: DSM Expenditures (SS/PA)

This line includes all lifecycle expenditures on activities that form the basis for earnings claims, and is taken from the E-1 tables. This includes First Earnings Claim Recorded Administration, Recorded Program Incentives, and Recorded Measurement Costs.

All Second Earnings Claims are cumulative unless otherwise noted. Included are the Recorded First Earnings Claim Measurement Costs, Recorded Administration, Recorded Program Incentives, and the Second Year Earnings Claim Recorded Measurement Costs.

Expenditures of nonearnings 'other' DSM categories are not included in any of the above.

### Lines 2 - 5: First Year Net Savings, adjusted

These lines include lifecycle first year net savings, adjusted by agreements with ORA. They are an aggregation of numerous cells in the E-3 tables for shared saving programs and Table 2.2 in the Annual Summary Reports for performance adder programs.

### Lines 6 - 11: Net Benefits (TRC without earnings)

For the PY96 First Year Earnings Claim: from the E-1 tables use Resource Benefits net, minus Measurement Costs, minus Administration Costs, minus Incremental Measure Costs net. The allocation between mW and kWh is based on the split of net resource benefits in E-3 tables.

$$NB = Rbn - MC - AC - IMCn$$

For the PY95 and PY94 Second Earnings Claims: from the E-1 tables use Revised Resource Benefits net, minus First and Second Earnings Claim's Measurement Costs, minus Administration Costs, minus First Year Earnings Claim Incremental Measure Costs net.

$$NB = Rbn - MC(\text{first \& second earnings claims}) - AC - IMCn$$

### Lines 12 - 18: Earnings Claims

Lines 13 and 16: Equal total earnings claim over ten year period, taken from E-1 tables.

Lines 14 and 17: 1994 numbers equal what was approved in D.95-12-054.

1995 numbers equal what was approved in D.96-12-079.

1996 numbers equal to current request, as adjusted by settlements with ORA, consistent with E-tables.

Lines 15 and 18: Equal current request, as adjusted by settlements with ORA, consistent with E-1 tables, second earnings claim (Recorded Incremental Earnings line).



**Line 19: Amount Recovered In 1997**

Includes the amounts authorized in D.96-12-079, the sum of lines 14 and 17 for Program Year 1995.

**Line 20: Amount to be Recovered In 1998**

The sum of lines 15 and 18 for Program Years 1994 and 1995, and lines 14 and 17 for Program Year 1996.

**Lines 22 - 23: Interest Calculation**

Interest calculation is based on the forecasted 90-day commercial paper rate.

**Line 24: Franchise Fees and Uncollectibles Calculation 1997**

Lines 19 and 22 times the FF&U percentage.

**Line 25: Franchise Fees and Uncollectibles Calculation 1998**

Lines 20 and 23 times the FF&U percentage.

**Line 26: Total Amount Collected In 1997**

The sum of lines 19, 22, and 24.

**Line 27: Total Amount Collected In 1998**

The sum of lines 20, 23, and 25. Also, Column L is the amount that utilities requested to collect for the three program years in 1998 (including interest and FF&U).

(END OF ATTACHMENT 1)

**ATTACHMENT 2**

**Pacific Gas and Electric Company**

- PY 96 First Earnings Claim E-Tables
- PY 95 Second Earnings Claim E-Tables
- PY 94 Second Earnings Claim E-Tables

**San Diego Gas & Electric Company**

- PY 96 First Earnings Claim E-Tables
- PY 95 Second Earnings Claim E-Tables
- PY 94 Second Earnings Claim E-Tables

**Southern California Edison Company**

- PY 96 First Earnings Claim E-Tables
- PY 95 Second Earnings Claim E-Tables
- PY 94 Second Earnings Claim E-Tables

**Southern California Gas Company**

- PY 96 First Earnings Claim E-Tables
- PY 95 Second Earnings Claim E-Tables
- PY 94 Second Earnings Claim E-Tables

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Pacific Gas and Electric Company

PY96 First Earnings Claim  
E-Tables

Table E-1  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1996

Program Category	SHARED SAVINGS PROGRAM												Total Including M&E Costs	
	Member Energy Efficiency Programs				New Construction Programs				Portfolio					
	RAEI (1)	CEEI (1)	REI (1)	AEEI	Total	Rate	Nonres	Total	Res (1)	Nonres (1)	Total (1)			
<b>PHILADELPHIA</b>														
Costs and Benefits For Earnings (000's \$)														
1 Measurement Costs	64	1,859	1,851	600	4,374	347	307	654	411	4,917	5,026	5,026	5,026	
2 Administration	281	5,075	3,160	1,070	9,517	1,835	2,750	4,586	2,097	12,005	14,103	14,103	14,103	
3 Program Incentives	7,453	31,250	12,843	2,641	54,187	2,986	6,272	9,200	10,439	52,995	63,395	63,395	63,395	
4 Program Costs	7,714	36,275	16,000	3,712	63,704	4,872	8,972	13,794	12,336	64,961	77,496	77,496	77,496	
5 Incremental Measure Costs, net (MCh)	7,349	45,272	17,081	4,662	74,294	2,911	4,070	6,981	10,261	71,015	81,276	81,276	81,276	
6 Resource Benefits, net (RtB)	9,165	80,795	40,303	12,212	142,546	5,302	25,507	30,899	14,468	159,940	173,415	173,415	173,415	
Target Earnings (000's \$)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	
10 Target Earnings Rate (TER) (%)	1.452	33.336	19,717	6,353	61,063	162	17,723	17,908	1,640	77,330	78,969	78,969	78,969	
17 Performance Earnings Base, at target (PEB)	437	10,001	5,915	1,995	18,319	57	5,317	5,372	492	23,199	23,691	23,691	23,691	
18 Target Earnings	1.13	1.30	1.44	1.47	1.34	1.03	2.05	1.75	1.43	1.09	1.40	1.40	1.40	
TRC RCR, with Earnings	1.12	1.68	1.70	1.95	1.65	1.02	1.75	1.55	1.08	1.71	1.63	1.63	1.63	
UC RCR, with Earnings														
<b>RECORDED - FIRST EARNINGS CLAIM (1997 AEAP)</b>														
Costs and Benefits For Earnings (000's \$)														
Recorded Measurement Costs	3.00	4.96	4.90	3.32	16.26	2.49	3.24	5.73	5.40	16.52	22.01	22.01	22.01	
Recorded Administration (2)	572	6,243	2,678	263	9,756	1,517	3,348	4,865	2,089	12,533	14,621	14,621	14,621	
Recorded Program Incentives (2)	4,325	33,921	4,298	564	43,106	2,901	6,264	9,245	7,307	45,017	52,353	52,353	52,353	
Recorded Incremental Measure Costs, net	2,791	45,723	6,550	1,393	56,457	2,672	5,322	7,994	5,463	60,999	66,451	66,451	66,451	
Recorded Resource Benefits, net	7,108	102,859	25,405	3,367	138,816	5,599	33,703	39,302	12,768	165,334	178,120	178,120	178,120	
Recorded Performance Earnings Base (PEB)	3,314	54,827	15,594	1,987	75,722	1,307	24,719	26,025	4,620	97,127	101,747	101,747	101,747	
Recorded PEB/PEB (%) (Minimum 75%)	227%	164%	79%	30%	124%	716%	139%	145%	382%	126%	129%	129%	129%	
Recorded Earnings	994	16,448	4,878	593	22,717	392	7,416	7,808	1,306	29,138	30,524	30,517	30,517	
TRC RCR, with Earnings	1.65	1.50	1.60	1.49	1.53	1.22	2.09	1.90	1.43	1.61	1.60	1.60	1.60	
UC RCR, with Earnings	1.22	1.82	2.18	2.36	1.84	1.14	1.98	1.79	1.19	1.91	1.83	1.83	1.83	
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
Earnings Claim for Recovery (1st Claim)	248	4,112	1,170	149	5,679	98	1,854	1,952	347	7,204	7,631	7,631	7,631	
<b>Second Earnings Claim</b>														
Revised Resource Benefits, net														
Recorded PEB														
Revised Earnings														
Earnings Distribution Share (2nd Claim)														
Recorded Earnings (for 2nd Claim)														
Earnings Recovered from 1st Claim														
Recorded Incremental Earnings														
<b>Third Earnings Claim</b>														
Revised Resource Benefits, net														
Recorded PEB														
Revised Earnings														
Earnings Distribution Share (3rd Claim)														
Recorded Earnings (for 3rd Claim)														
Earnings Recovered from 1st and 2nd Claim														
Recorded Incremental Earnings														
<b>Fourth Earnings Claim</b>														
Revised Resource Benefits, net														
Recorded PEB														
Revised Earnings														
Earnings Distribution Share (4th Claim)														
Recorded Earnings (for 4th Claim)														
Earnings Recovered from 1st, 2nd, and 3rd Claim														
Recorded Incremental Earnings														
<b>Total Earnings</b>														

(1) Includes Ridding Programs  
(2) Includes prior year adjustments. For the Ridding Programs, the Administration costs do not include first year bid payments and the incentive costs include lifecycle bid payments.  
PG&E Annual Summary Of DSM Programs - July 1997

Revised - 10/29/97

Table E-1  
Earnings Claim Summary Table - Performance Adder Programs  
Program Year: 1996

Earnings Claim Summary	First Contribution Program				Performance Adder Programs				Current Accumulation Programs				TOTAL 1996		
	Date	Item Desc	Type	Amount	Match	Target/Minimum/Maximum		Actual	Total	Subsidy	Match	Total		TOTAL	
						Target	Minimum								
First Cash and Benefit For Earnings (PER's)	7	Administration	1,376	2,349	7,163	0	0	1,650	15,019	0	2,769	5,189	73,998	37,691	
	3	Program for Loans	3,077	4,797	0	0	0	0	0	0	10,776	11,276	22,000	36,797	80,197
	4	Program Costs	4,749	2,699	7,163	0	0	1,650	15,019	0	13,036	14,536	27,565	54,564	127,643
	8	Recorded Member Costs, net (incl'd)	2,486	749	3,116	0	0	3,076	3,076	11,428	10,246	10,847	21,087	36,407	148,843
	9	Residuals, Benefits, and (Loss)	3,088	3,179	41,768	11,462	347	1,691	21,760	0	0	0	13,500	44,695	216,270
Target Earnings (PER's)	16	Target Earnings Rate (PER's) (%)	4.76	7.24	7.163	0	0	0	0	0	0	0	0	0	
	17	Performance Earnings Base, at target (PER's)	4,760	2,699	7,163	0	0	1,650	15,019	0	13,036	0	13,036	68,944	126,344
	18	Target Earnings	0	486	366	268	73	49	769	769	487	0	487	1,048	25,371
		TIRC BCR, with Earnings	0.64	1.17	0.94	1.02	1.16	0.16	0.31	0.94	0.46	0.51	0.46	0.97	1.71
	UCR BCR, with Earnings	0.67	1.07	1.36	1.07	0.76	0.39	1.11	1.11	0.45	0.51	0.46	0.96	1.47	
First Earnings Claim (1997 AEAP)	Measurement Costs	0.51	0.74	22.30	0	0	0	0	22.30	0	2.222	0	23.07	49.08	
	Recorded Accumulation	314	260	4,769	4,699	1,471	1,016	11,977	0	0	0	0	5,030	32,702	
	Recorded Program Incentives	1,480	409	1,096	0	0	0	0	0	0	9,099	10,814	19,913	21,808	
	Recorded Incremental Measure Costs, net	873	333	1,206	3,435	570	3,240	10,371	10,371	0	8,701	10,172	18,873	30,450	
	Recorded Resource Benefits, net	1,159	2,708	3,687	11,173	3,731	1,095	1,621	17,611	4,755	5,746	10,503	21,961	210,101	
	Recorded PER	1,801	669	2,470	4,769	4,699	1,471	1,016	11,977	11,327	0	11,327	23,764	127,469	
	Recorded PE/PER (%) (2)	111	111	111	0.67	0.62	1.01	0.62	0.75	0.63	N/A	0.63	0.51	0.69	
	Recorded Earnings	121	125	125	232	246	61	67	453	453	0	453	1,200	31,777	
	TIRC BCR, with Earnings	0.99	3.77	2.03	1.37	0.45	0.51	0.34	0.77	0.42	0.44	0.43	0.65	1.31	
	UCR BCR, with Earnings	0.64	3.41	1.49	2.23	0.75	0.70	1.50	1.40	0.40	0.40	0.42	0.79	1.52	
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%		
Earnings Claim for Recovery (1st Claim)	0	31	31	56	62	72	15	157	157	113	0	113	301	7,931	
Second Earnings Claim	Recorded Resource Benefits, net														
	Recorded PER														
	Recorded Earnings														
	Earnings Distribution Share (2nd Claim)														
Third Earnings Claim	Recorded Resource Benefits, net														
	Recorded PER														
	Recorded Earnings														
	Earnings Distribution Share (3rd Claim)														
Fourth Earnings Claim	Recorded Resource Benefits, net														
	Recorded PER														
	Recorded Earnings														
	Earnings Distribution Share (4th Claim)														
Total Earnings	Recorded Resource Benefits, net														
	Recorded PER														
	Recorded Earnings														
	Earnings Distribution Share (Total Claim)														

(1) The program does not have a minimum performance standard. It is eligible for shareholder earnings if the program is cost-effective.  
 (2) This program does not earn shareholder earnings since it did not pass the dual test (UC test failed).  
 (3) AEAP Services and the Direct Assistance Program passed minimum performance standards. See Table E-1A.

Table E-2

(No Revision From 7/31/97 Filing)

Planned Costs and Benefits for Shareholder Incentives Programs:  
 By End Use Element  
 Program Year: 1996  
 Program: Residential New Construction  
 (in thousands of 1996 Dollars)

	End Use Totals		Number of Units		Average Per Unit	
		Total		Total		Total
1 Measurement Costs		2.49		2,187	\$	0.00
2 Administration	\$	1,517		2,187	\$	0.69
3 Program Incentives	\$	2,981		2,187	\$	1.36
4 Program Costs	\$	4,498		2,187	\$	2.06
5 Incremental Measure Costs, gross	\$	2,904		2,187	\$	1.33
6 Resource Benefits, gross	\$	6,113		2,187	\$	2.79
7 Net-to-Gross Ratio		0.92				
8 Incremental Measure Costs, net	\$	2,672		2,187	\$	1.22
9 Resource Benefits, net	\$	5,599		2,187	\$	2.56
<b>Second Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Third Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Fourth Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A

Table E-3

(No Revision From 7/31/97 Filing)

Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Residential New Construction  
 (1996 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	Total			Therms
	kW	kWh		
1996	1.30	2,112		52
1997	1.30	2,112		52
1998	1.30	2,112		52
1999	1.30	2,112		52
2000	1.30	2,112		52
2001	1.30	2,098		52
2002	1.30	2,077		52
2003	1.30	2,053		52
2004	1.29	2,040		52
2005	1.29	2,029		52
2006	1.28	2,001		52
2007	1.28	1,973		52
2008	1.25	1,944		52
2009	1.23	1,916		52
2010	1.22	1,888		52
2011	1.21	1,860		52
2012	1.19	1,809		52
2013	1.18	1,781		52
2014	0.69	989		57
2015	0.68	981		57
2016	0.62	711		69
2017	0.62	711		69
2018	0.62	711		69
2019	0.62	711		69
2020	0.62	711		69
SUM (Lifecycle)	1.30	41,570		1,413
PV	0.67	1.37		0.56

	Total			Therms
	kW	kWh		
# of Units:	2,187	2,187		2,187
Resource Benefit (3000, gross):	1,901	2,994		1,294
Net-to-Gross Ratio:	0.94	0.86		0.91
Resource Benefit (3000, net):	1,787	2,632		1,180
Impact Study References:		Study ID #		
Study used for Forecast		N/A		
Required 1st IY Study, 2nd Claim		N/A		
Required Persistence, 3rd Claim		N/A		
Required Persistence, 4th Claim		N/A		

(No Changes From July 31, 1997 Filing)

Table E-2  
 Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Program  
 Program Year: 1998  
 Program: Residential Appliance Efficiency Incentives  
 (In thousands of 1998 Dollars)

	End Use 1 (each)			End Use 2 (each)			End Use 3 (each)			Average Per Unit (1 dollar)			Misc (EIS Marketing/Car g)
	MJO LIGHTING	PSP LIGHTING	Misc (EIS Marketing/Car g)	MJO LIGHTING	PSP LIGHTING	Misc (EIS Marketing/Car g)	MJO LIGHTING	PSP LIGHTING	Misc (EIS Marketing/Car g)	MJO LIGHTING	PSP LIGHTING	Misc (EIS Marketing/Car g)	
1 Administration Costs	79	277	0	139	795	0	139	795	0	139	795	0	N/A
2 Program Incentives	195	3,895	0	1,320	795	0	1,320	795	0	1,320	795	0	N/A
3 Program Costs	140	3,300	0	1,083	795	0	1,083	795	0	1,083	795	0	N/A
4 Administrative Marketing Costs, gross	400	1,600	0	1,320	795	0	1,320	795	0	1,320	795	0	N/A
5 Marketing Benefits, gross	400	1,600	0	1,320	795	0	1,320	795	0	1,320	795	0	N/A
6 Net-to-Costs Ratio	0.40	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	N/A
7 Incremental Marketing Costs, net	0	0	0	0	0	0	0	0	0	0	0	0	N/A
8 Incremental Benefits, net	0	0	0	0	0	0	0	0	0	0	0	0	N/A
9 Second Exchange Chain Administration Costs Incentives not Recourse Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 Third Exchange Chain Administration Costs Incentives not Recourse Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11 Fourth Exchange Chain Administration Costs Incentives not Recourse Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>79</b>	<b>3,895</b>	<b>0</b>	<b>1,320</b>	<b>795</b>	<b>0</b>	<b>1,320</b>	<b>795</b>	<b>0</b>	<b>1,320</b>	<b>795</b>	<b>0</b>	<b>N/A</b>



Table E-3

Components of Resource Benefit Values

Program Year: 1996

Program: Residential Appliance Efficiency Incentives

(1996 Dollars)

(No Changes From July 31, 1997 Filing)

Year	Forecast: Average Load Impacts Per Unit (Gross)														
	MUD LIGHTING			PSP LIGHTING (2)			Refrigeration			PSP BOILER			Misc (Etc Heating/Cooling)		
	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes
1996	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
1997	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
1998	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
1999	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2000	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2001	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2002	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2003	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2004	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2005	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2006	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2007	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2008	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2009	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2010	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2011	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2012	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2013	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2014	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2015	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2016	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2017	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2018	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2019	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
2020	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
SUM (Units/Year)	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424
AVG	0.000750	1.000	0.00	0.000750	1.000	0.00	0.0274	153	0.00	0.00	0.00	7.500	0.07	0.570	1.424

	MUD LIGHTING			PSP LIGHTING			Refrigeration			PSP BOILER			Misc (Etc Heating/Cooling)		
	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes	kWh	Therms	Tonnes
# of Units	600,530	1,330,760	N/A	2,345,000	0.000,000	N/A	10,053	10,053	N/A	N/A	N/A	14	N/A	N/A	N/A
Resource Benefit (\$000, gross)	70	000	0	405	3,100	0	330	1,775	0	0	0	0	0	0	0
Not-to-Gross Ratio	0.000	0.000	N/A	1.000	1.000	N/A	1.000	1.000	N/A	N/A	N/A	1.000	1.000	1.000	1.000
Resource Benefit (\$000, net)	70	000	0	405	3,100	0	330	1,775	0	0	0	0	0	0	0
Impact Study Performance	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Study used for Forecast	N/A			N/A			N/A			N/A			N/A		
Required 1st IY Study, 2nd Claim	N/A			N/A			N/A			N/A			N/A		
Required Performance, 3rd Claim	N/A			N/A			N/A			N/A			N/A		
Required Performance, 4th Claim	N/A			N/A			N/A			N/A			N/A		

Notes:

- (1) Values reported in these sections are used to calculate PV for each end use element in a "bottom-up" approach, i.e., PV=RBG\*# of units
- (2) Since the DUOM for PSP was not defined in the PSP M&E study, the DUOM from the equivalent end-use from the Residential Appliance Efficiency M&E study was used

Table E-2

(Revised 10/29/97)

Planned Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996

Program: Commercial Energy Efficiency Incentives

(In Thousands of 1996 Dollars)

		End Use Totals							
		COM LTG	PSP LTG	HVAC	PSP HVAC	REFRIG	PSP REFRIG	MISC.	Total
1	Measurement Costs	1.66	0.00	1.66	0.00	1.66	0.00	0.00	4.98
2	Administration	\$ 3,881	\$ 570	\$ 980	\$ 66	\$ 155	\$ 107	\$ 485	\$ 6,243
3	Program Incentives	\$ 9,114	\$ 15,187	\$ 2,100	\$ 2,523	\$ 407	\$ 4,024	\$ 565	\$ 33,920
4	Program Costs	\$ 12,995	\$ 15,757	\$ 3,080	\$ 2,588	\$ 561	\$ 4,132	\$ 1,050	\$ 40,163
5	Incremental Measure Costs, gross	\$ 31,220	\$ 10,335	\$ 8,336	\$ 1,722	\$ 865	\$ 770	\$ 3,053	\$ 56,301
6	Resource Benefits, gross	\$ 66,269	\$ 24,470	\$ 16,259	\$ 2,820	\$ 2,830	\$ 4,598	\$ 8,396	\$ 125,642
7	Net-to-Gross Ratio	0.77	1.00	0.71	1.00	0.72	1.00	0.76	0.82
8	Incremental Measure Costs, net	\$ 24,022	\$ 10,335	\$ 5,938	\$ 1,722	\$ 622	\$ 770	\$ 2,315	\$ 45,723
9	Resource Benefits, net	\$ 50,990	\$ 24,470	\$ 11,582	\$ 2,820	\$ 2,033	\$ 4,598	\$ 6,366	\$ 102,859
<b>Second Earnings Claim</b>									
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Third Earnings Claim</b>									
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>									
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(Revised 10/29/97)

Table E-2  
 Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Commercial Energy Efficiency Incentives  
 (In Thousands of 1996 Dollars)

	Number of Units							Average Per Unit (\$ dollars)						
	COM LTG	PSP LTG	HVAC	PSP HVAC	REFRIG	PSP REFRIG	MISC	COM LTG	PSP LTG	HVAC	PSP HVAC	REFRIG	PSP REFRIG	MISC
1 Measurement Costs	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.00000005	0.000000	0.00000028	0.000000	0.005398	0.000000	N/A
2 Administration	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000011	0.000008	0.000015	0.000007	0.502901	0.424135	N/A
3 Program Incentives	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000025	0.000163	0.000032	0.000253	1.321488	15.833381	N/A
4 Program Costs	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000038	0.000189	0.000047	0.000262	1.824388	18.357515	N/A
5 Incremental Measure Costs, gross	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000085	0.000111	0.000129	0.000174	2.811080	3.050527	N/A
6 Resource Benefits, gross	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000181	0.000283	0.000251	0.000295	9.196217	18.203211	N/A
7 Net-to-Gross Ratio														
8 Incremental Measure Costs, net	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000086	0.000111	0.000091	0.000174	2.018436	3.050527	N/A
9 Resource Benefits, net	385,485,058	93,188,170	64,898,338	9,891,791	308	753	N/A	0.000140	0.000283	0.000178	0.000285	8.607648	18.203211	N/A
Second Earnings Claim														
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim														
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim														
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(Revised 10/29/97)

**Table E-3**  
**Components of Resource Benefit Values**  
**Program Year: 1996**  
**Program: Commercial Energy Efficiency Incentives**  
**(In Thousands of 1996 Dollars)**

Year	COMMERCIAL LIGHTING			PSP LIGHTING (2)			HVAC		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
1990	0.000020	0.330	0.00	0.000097	0.350	0.00	0.0000340	0.410	0.01700
1991	0.0000779	0.323	0.00	0.000082	0.350	0.00	0.0000319	0.364	0.01493
1992	0.0000746	0.318	0.00	0.000082	0.350	0.00	0.0000297	0.358	0.01485
1993	0.0000712	0.303	0.00	0.000082	0.350	0.00	0.0000276	0.333	0.01379
1994	0.0000675	0.297	0.00	0.000082	0.350	0.00	0.0000250	0.323	0.01320
1995	0.0000659	0.290	0.00	0.000082	0.350	0.00	0.0000232	0.313	0.01299
1996	0.0000634	0.275	0.00	0.000082	0.350	0.00	0.0000219	0.256	0.01221
1997	0.0000604	0.270	0.00	0.000082	0.350	0.00	0.0000185	0.248	0.01183
1998	0.0000589	0.252	0.00	0.000082	0.350	0.00	0.0000179	0.241	0.01148
1999	0.0000568	0.244	0.00	0.000082	0.350	0.00	0.0000168	0.220	0.01106
2000	0.0000537	0.240	0.00	0.000079	0.338	0.00	0.0000160	0.187	0.01069
2001	0.0000504	0.235	0.00	0.000075	0.327	0.00	0.0000154	0.180	0.00845
2002	0.0000454	0.230	0.00	0.000072	0.309	0.00	0.0000148	0.173	0.00815
2003	0.0000424	0.224	0.00	0.000074	0.303	0.00	0.0000148	0.147	0.00811
2004	0.0000413	0.219	0.00	0.000070	0.298	0.00	0.0000136	0.109	0.00787
2005	0.0000400	0.000	0.00	0.000068	0.292	0.00	0.0000129	0.077	0.00584
2006	0.0000380	0.000	0.00	0.000067	0.287	0.00	0.0000127	0.075	0.00540
2007	0.0000360	0.000	0.00	0.000066	0.282	0.00	0.0000125	0.074	0.00518
2008	0.0000340	0.000	0.00	0.000065	0.277	0.00	0.0000123	0.073	0.00492
2009	0.0000320	0.000	0.00	0.000064	0.000	0.00	0.0000121	0.007	0.00000
2010	0.0000300	0.000	0.00	0.000063	0.000	0.00	0.0000119	0.006	0.00000
2011	0.0000280	0.000	0.00	0.000062	0.000	0.00	0.0000117	0.006	0.00000
2012	0.0000260	0.000	0.00	0.000061	0.000	0.00	0.0000115	0.002	0.00000
2013	0.0000240	0.000	0.00	0.000060	0.000	0.00	0.0000113	0.002	0.00000
2014	0.0000220	0.000	0.00	0.000059	0.000	0.00	0.0000111	0.002	0.00000
2015	0.0000200	0.000	0.00	0.000058	0.000	0.00	0.0000109	0.002	0.00000
2016	0.0000180	0.000	0.00	0.000057	0.000	0.00	0.0000107	0.002	0.00000
2017	0.0000160	0.000	0.00	0.000056	0.000	0.00	0.0000105	0.002	0.00000
2018	0.0000140	0.000	0.00	0.000055	0.000	0.00	0.0000103	0.002	0.00000
2019	0.0000120	0.000	0.00	0.000054	0.000	0.00	0.0000101	0.002	0.00000
2020	0.0000100	0.000	0.00	0.000053	0.000	0.00	0.0000099	0.002	0.00000
Star (Lifetime)	0.000020	4.317	0.00	0.000062	6.538	0.00	0.0000340	4.209	0.20751
PV	0.0000387	0.000133	0.00	0.000059	0.000224	0.00	0.0000113	0.000153	0.000062

  

# of Units	COMMERCIAL LIGHTING			PSP LIGHTING			HVAC		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
Resource Benefit (\$000, gross)	288,484,637	365,464,628	N/A	61,814,268	93,186,170	N/A	187,083,698	64,899,338	63,713,340
Net-to-Gross Ratio	10,304	55,985	0	3,674	20,845	0	2,222	9,958	4,084
Resource Benefit (\$000, net)	7,900	43,000	0	1,000	20,845	0	0.69	0.70	0.75
Impact Study References:							1,538	6,986	3,058
Study used for Forecast									
Required 1st LY Study, 2nd Claim									
Required Penetration, 3rd Claim									
Required Penetration, 4th Claim									
Study ID #	N/A	N/A		N/A	N/A				
Study ID #	N/A	N/A		N/A	N/A				
Study ID #	N/A	N/A		N/A	N/A				

Notes:  
 (1) Values reported in lower section are used to calculate PV for each end use element in a "bottom-up" approach, i.e., PV/Ratio of units.  
 (2) Since the DUOM for PSP was not defined in the PSP M&E study, the DUOM from the equivalent end-use from the Commercial EE/M&E study was used.

Table E-3

(Revised 10/29/97)

Components of Resource Benefit Values

Program Year: 1996

Program: Commercial Energy Efficiency Incentives

(In Thousands of 1996 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	PSP HVAC (2)			REFRIGERATION			PSP REFRIGERATION (2)			MISC.		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
1996	0.000034	0.41000	0.00	2.41	23,043	0.00	2.41	23,043	0.00	949	12,885,401	247,350
1997	0.000034	0.41000	0.00	2.29	24,361	0.00	2.41	23,043	0.00	939	12,588,036	247,350
1998	0.000034	0.41000	0.00	2.17	23,079	0.00	2.41	23,043	0.00	930	12,288,671	247,350
1999	0.000034	0.41000	0.00	2.05	21,787	0.00	2.41	23,043	0.00	907	12,795,270	240,694
2000	0.000034	0.41000	0.00	1.77	20,518	0.00	2.41	23,043	0.00	879	12,490,723	234,039
2001	0.000034	0.41000	0.00	1.73	19,864	0.00	2.41	23,043	0.00	856	12,188,643	227,383
2002	0.000034	0.41000	0.00	1.68	19,393	0.00	2.41	23,043	0.00	833	11,882,983	220,727
2003	0.000034	0.41000	0.00	1.64	18,907	0.00	2.41	23,043	0.00	810	11,579,082	214,071
2004	0.000034	0.41000	0.00	0.84	14,862	0.00	2.41	23,043	0.00	788	11,275,889	207,416
2005	0.000034	0.41000	0.00	0.82	14,363	0.00	2.41	23,043	0.00	736	10,876,018	200,760
2006	0.000034	0.41000	0.00	0.80	14,164	0.00	2.41	23,043	0.00	670	10,300,059	194,104
2007	0.000032	0.38117	0.00	0.78	13,733	0.00	2.29	24,361	0.00	649	10,008,652	187,448
2008	0.000030	0.35834	0.00	0.65	4,791	0.00	2.17	23,079	0.00	587	9,590,566	180,792
2009	0.000028	0.33251	0.00	0.63	4,648	0.00	2.05	21,787	0.00	567	9,302,641	174,137
2010	0.000027	0.32267	0.00	0.46	2,372	0.00	2.00	21,264	0.00	472	8,872,364	167,481
2011	0.000026	0.31324	0.00	0.44	2,124	0.00	1.95	20,771	0.00	308	7,006,430	160,825
2012	0.000025	0.30381	0.00	0.00	700	0.00	1.80	20,258	0.00	273	2,307,378	154,170
2013	0.000024	0.29438	0.00	0.00	676	0.00	1.86	19,745	0.00	259	2,188,850	147,514
2014	0.000024	0.28538	0.00	0.00	652	0.00	1.81	19,232	0.00	245	2,070,123	140,858
2015	0.000023	0.27634	0.00	0.00	628	0.00	1.76	18,719	0.00	231	1,951,387	134,202
2016	0.000000	0.00000	0.00	0.00	0	0.00	0.00	0	0.00	54	105,148	114,136
2017	0.000000	0.00000	0.00	0.00	0	0.00	0.00	0	0.00	40	85,890	92,863
2018	0.000000	0.00000	0.00	0.00	0	0.00	0.00	0	0.00	43	80,828	77,082
2019	0.000000	0.00000	0.00	0.00	0	0.00	0.00	0	0.00	40	74,740	71,301
2020	0.000000	0.00000	0.00	0.00	0	0.00	0.00	0	0.00	37	68,704	65,519
SUM (Lifecycle)	0.000034	7.38	0.00	2.41	247,580	0.00	2.41	471,318	0.00	949	187,860,070	4,339,573
PV	0.000023	0.000253	N/A	0.77	8.83	0.00	1.69	16.12	N/A	N/A	N/A	N/A

	PSP HVAC (2)			REFRIGERATION			PSP REFRIGERATION			MISC		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
# of Units	13,014,708	9,891,791	N/A	107	308	N/A	311	293	N/A	N/A	N/A	N/A
Resource Benefit (\$000, gross)	318	2,502	0.00	83	2,748	0	527	4,071	0	498	8,621	1,275
Net-to-Gross Ratio	1.00	1.00	N/A	0.66	0.72	N/A	1.00	1.00	N/A	0.75	0.76	0.75
Resource Benefit (\$000, net)	318	2,502	0.00	55	1,979	0	527	4,071	0	375	5,036	955
Impact Study References:												
Study used for Forecast		Study ID #			Study ID #			Study ID #			Study ID #	
Required for LV Study, 2nd Claim		N/A			N/A			N/A			N/A	
Required for LV Study, 3rd Claim		N/A			N/A			N/A			N/A	
Required for LV Study, 4th Claim		N/A			N/A			N/A			N/A	

Notes

(1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach - i.e., PV=RBg/# of units

(2) Since the DUOM for PSP was not defined in the PSP M&E study, the DUOM from the equivalent end-use from the Commercial EEI M&E study was used

Table E-2

(Revised 10/29/97)

## Planned Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996

Program: Industrial Energy Efficiency Incentives

(in Thousands of 1996 Dollars)

		End Use Totals					
		LIGHTING	HVAC	IND PROC	PSP PROC	MISC.	Total
1	Measurement Costs	1.66	1.66	1.66	0.00	0.00	4.98
2	Administration	\$ 780	\$ 306	\$ 1,283	\$ 4	\$ 305	\$ 2,678
3	Program Incentives	\$ 1,303	\$ 535	\$ 1,775	\$ 591	\$ 568	\$ 4,772
4	Program Costs	\$ 2,083	\$ 841	\$ 3,058	\$ 594	\$ 873	\$ 7,450
5	Incremental Measure Costs, gross	\$ 4,160	\$ 1,689	\$ 5,604	46	\$ 1,217	\$ 12,715
6	Resource Benefits, gross	\$ 10,741	\$ 4,113	\$ 18,198	958	\$ 3,411	\$ 37,420
7	Net-to-Gross Ratio	0.67	0.63	0.65	1.00	0.83	0.68
8	Incremental Measure Costs, net	\$ 2,787	\$ 1,070	\$ 3,642	46	\$ 1,004	\$ 8,550
9	Resource Benefits, net	\$ 7,196	\$ 2,606	\$ 11,829	\$ 958	\$ 2,816	\$ 25,405
<b>Second Earnings Claim</b>							
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A
<b>Third Earnings Claim</b>							
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
	Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A
	Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A

Table E-2

(Revised 10/29/97)

Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Industrial Energy Efficiency Incentives  
 (In Thousands of 1996 Dollars)

	Number of Units					Average Per Unit (\$ dollars)				
	LIGHTING	HVAC	IND PROC	PSP PROC	MISC.	LIGHTING	HVAC	IND PROC	PSP PROC	MISC.
1 Measurement Costs	57,095,676	1,183,409	82	4	N/A	0.00000029	0.000001403	0.0204	0.00	N/A
2 Administration	57,095,676	1,183,409	82	4	N/A	0.0000137	0.000258	15.7	1.0	N/A
3 Program Incentives	57,095,676	1,183,409	82	4	N/A	0.0000228	0.000452	21.8	165.2	N/A
4 Program Costs	57,095,676	1,183,409	82	4	N/A	0.0000365	0.000711	37.5	166.2	N/A
5 Incremental Measure Costs, gross	57,095,676	1,183,409	82	4	N/A	0.0000729	0.001427	68.7	12.8	N/A
6 Resource Benefits, gross	57,095,676	1,183,409	82	4	N/A	0.0001681	0.003475	223.3	267.8	N/A
7 Net-to-Gross Ratio										
8 Incremental Measure Costs, net	57,095,676	1,183,409	82	4	N/A	0.0000488	0.000904	44.7	12.8	N/A
9 Resource Benefits, net	57,095,676	1,183,409	82	4	N/A	0.0001260	0.002202	145.1	267.8	N/A
<b>Second Earnings Claim</b>										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Third Earnings Claim</b>										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3

Components of Resource Benefit Values

Program Year: 1996

Program: Industrial Energy Efficiency Incentives

(In Thousands Of 1996 Dollars)

(Revised 10/29/97)

Forecast: Average Load Imports Per Unit (Gross)

Year	LIGHTING			HVAC			IND PROCESS			PSP PROCESS (2)			MISC.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
1996	0.0009571	0.3795	0.00	0.000620	0.423	0.200	45.000	378.010	157.142	45.000	378.010	0	1,430	5,007.471	0.00
1997	0.0009547	0.3550	0.00	0.000587	0.010	0.107	45.000	378.010	157.142	45.000	378.010	0	1,357	5,500.700	0.00
1998	0.0009524	0.3403	0.00	0.000557	5.014	0.175	47.827	378.114	157.142	45.000	378.010	0	1,264	5,799.947	0.00
1999	0.0009502	0.3255	0.00	0.000520	5.209	0.162	41.344	364.830	152.426	45.000	378.010	0	1,210	4,901.100	0.00
2000	0.0009480	0.3170	0.00	0.000493	5.055	0.157	40.004	353.547	147.713	45.000	378.010	0	1,181	4,000.231	0.00
2001	0.0009461	0.3123	0.00	0.000470	4.987	0.153	38.787	342.783	142.900	45.000	378.010	0	1,152	4,751.435	0.00
2002	0.0009443	0.3040	0.00	0.000444	4.759	0.146	37.508	330.908	138.205	45.000	378.010	0	1,123	4,633.630	0.00
2003	0.0009426	0.2913	0.00	0.000420	4.454	0.144	36.230	319.007	133.571	45.000	378.010	0	1,094	4,515.804	0.00
2004	0.0009410	0.2797	0.00	0.000396	4.310	0.139	34.951	308.043	128.834	45.000	378.010	0	1,064	4,392.424	0.00
2005	0.0009395	0.2656	0.00	0.000374	4.102	0.134	33.672	297.130	124.147	45.000	378.010	0	1,035	4,275.367	0.00
2006	0.0009381	0.2606	0.00	0.000352	3.919	0.129	32.407	286.167	119.495	45.000	378.010	0	1,006	4,158.340	0.00
2007	0.0009368	0.2554	0.00	0.000330	3.574	0.124	31.150	275.161	114.849	45.000	378.010	0	977	4,040.709	0.00
2008	0.0009357	0.2505	0.00	0.000310	3.449	0.121	30.000	264.100	110.200	45.000	378.010	0	949	3,923.660	0.00
2009	0.0009348	0.2455	0.00	0.000294	3.324	0.117	28.811	253.081	105.549	43.720	364.870	0	920	3,806.620	0.00
2010	0.0009341	0.2404	0.00	0.000280	3.193	0.114	27.640	242.000	100.895	42.375	355.320	0	891	3,689.580	0.00
2011	0.0009335	0.2354	0.00	0.000268	0.625	0.111	26.480	230.850	96.190	41.025	345.900	0	862	3,572.540	0.00
2012	0.0009330	0.0000	0.00	0.000258	0.000	0.108	25.330	220.620	91.470	39.670	332.000	0	833	2,450.000	0.00
2013	0.0009326	0.0000	0.00	0.000249	0.000	0.106	24.190	210.320	86.780	38.310	317.300	0	804	2,329.520	0.00
2014	0.0009323	0.0000	0.00	0.000242	0.000	0.104	23.060	200.950	82.030	36.940	302.600	0	775	2,209.040	0.00
2015	0.0009320	0.0000	0.00	0.000236	0.000	0.102	21.940	192.500	77.340	35.570	287.900	0	746	2,088.560	0.00
2016	0.0009318	0.0000	0.00	0.000230	0.000	0.100	20.830	184.970	72.640	34.200	273.200	0	717	1,968.080	0.00
2017	0.0009316	0.0000	0.00	0.000225	0.000	0.098	19.730	178.270	67.920	32.840	258.500	0	688	1,847.600	0.00
2018	0.0009314	0.0000	0.00	0.000220	0.000	0.096	18.640	172.400	63.180	31.480	243.800	0	659	1,727.120	0.00
2019	0.0009312	0.0000	0.00	0.000215	0.000	0.094	17.560	167.370	58.420	30.120	229.100	0	630	1,606.640	0.00
2020	0.0009310	0.0000	0.00	0.000210	0.000	0.092	16.490	163.080	53.640	28.760	214.400	0	601	1,486.160	0.00
TOTAL (Average)	0.0009371	0.6537	0.00	0.000420	0.7741	2.000	45.000	4,331,220	1,800,270	45	7,242,672	0	1,430	81,953,007	0
PV	0.0009371	0.0000	0.00	0.000420	0.0000	0.0000	10	148	476	33	733	0	N/A	N/A	N/A

	LIGHTING			HVAC			IND PROCESS			PSP PROCESS			MISC.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
# of Units	47,337,931	57,095,076	N/A	1,275,633	1,183,000	2,140,447	72	82	10	4	4	N/A	N/A	N/A	N/A
Resource Benefit (\$000, gross)	1,636	0.000	0	304	2,711	1,009	1,312	11,909	4,977	124	034	0	752	2,700	0.00
Net-to-Gross Ratio	0.470	0.470	N/A	0.61	0.63	0.65	0.65	0.65	0.64	1.00	1.00	N/A	0.85	0.86	N/A
Resource Benefit (\$000, net)	1,230	0.000	0	106	1,700	714	853	7,741	3,235	124	034	0	644	2,330	0.00
Impact Study References	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Study used for Forecast	N/A			N/A			N/A			N/A			N/A		
Required for 1st LTV Study, 2nd Claim	N/A			N/A			N/A			N/A			N/A		
Required for 3rd Claim	N/A			N/A			N/A			N/A			N/A		
Required for 4th Claim	N/A			N/A			N/A			N/A			N/A		

Notes:

- (1) Values reported in lower section are used to calculate PV for each and use element in a 'bottom-up' approach, i.e., PV=RTB/g of units
- (2) Since the DUOM for PSP was not defined in the PSP M&E study, the DUOM from the equivalent end-use from the Industrial EEI M&E study was used



(Revised 10/29/97)

Table E-2

Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Agricultural Energy Efficiency Incentives  
 (in thousands of 1996 Dollars)

	End Use Totals				Number of Units			Avg Per Unit (\$ dollars)		
	LIGHTING	PUMPING	AG. miscs.	Total	LIGHTING	PUMPING	AG. miscs.	LIGHTING	PUMPING	AG. miscs.
1 Measurement Costs	1.66	1.66	0.00	3.32	3,435,093	59,421	N/A	0.0000005	0.0000279	N/A
2 Administration	104	137	27	268	3,435,093	59,421	N/A	0.000030	0.0023	N/A
3 Program Incentives	141	356	67	564	3,435,093	59,421	N/A	0.000041	0.0060	N/A
4 Program Costs	245	493	89	827	3,435,093	59,421	N/A	0.000071	0.0083	N/A
5 Incremental Measure Costs, gross	374	1,247	100	1,801	3,435,093	59,421	N/A	0.000109	0.0210	N/A
6 Resource Benefits, gross	1,732	2,249	376	4,358	3,435,093	59,421	N/A	0.000504	0.0379	N/A
7 Net-to-Gross Ratio	0.77	0.78	0.75	0.77						
8 Incremental Measure Costs, net	288	971	135	1,393	3,435,093	59,421	N/A	0.000084	0.0163	N/A
9 Resource Benefits, net	1,334	1,751	282	3,367	3,435,093	59,421	N/A	0.000388	0.0295	N/A
Second Earnings Claim										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(Revised 10/29/97)

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Agricultural Energy Efficiency Incentives  
 (1996 Dollars)

Year	AG. LIGHTING			AG. PUMPING			AG. MECH.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
1996	0.00007000	1.080000	0	0.01680	59.990	0.200	56	402.282	112.893
1997	0.00006720	1.017600	0	0.01613	57.307	0.269	53	387.574	112.893
1998	0.00006440	0.973200	0	0.01546	54.915	0.258	50	372.867	112.893
1999	0.00006160	0.932800	0	0.01478	52.374	0.107	47	354.808	112.893
2000	0.00005880	0.892400	0	0.01411	50.123	0.105	44	336.123	112.893
2001	0.00005600	0.852000	0	0.01344	47.204	0.103	43	327.383	0
2002	0.00005320	0.811600	0	0.01277	44.371	0.101	42	318.643	0
2003	0.00005040	0.771200	0	0.01210	41.538	0.099	41	309.904	0
2004	0.00004760	0.730800	0	0.01143	38.705	0.098	39	300.999	0
2005	0.00004480	0.690400	0	0.01076	35.872	0.096	38	291.470	0
2006	0.00004200	0.650000	0	0.01009	33.039	0.053	37	282.841	0
2007	0.00003920	0.609600	0	0.00942	30.206	0.052	36	274.212	0
2008	0.00003640	0.569200	0	0.00875	27.373	0.051	35	265.583	0
2009	0.00003360	0.528800	0	0.00808	24.540	0.050	34	256.954	0
2010	0.00003080	0.488400	0	0.00741	21.707	0.049	32	237.457	0
2011	0.00002800	0.448000	0	0.00674	18.874	0.048	31	228.928	0
2012	0.00002520	0.407600	0	0.00607	16.041	0.047	30	220.399	0
2013	0.00002240	0.367200	0	0.00540	13.208	0.046	29	211.870	0
2014	0.00001960	0.326800	0	0.00473	10.375	0.045	28	203.341	0
2015	0.00001680	0.286400	0	0.00406	7.542	0.044	27	194.812	0
2016	0.00001400	0.246000	0	0.00339	4.709	0.043	26	186.283	0
2017	0.00001120	0.205600	0	0.00272	1.876	0.042	25	177.754	0
2018	0.00000840	0.165200	0	0.00205	-1.057	0.041	24	169.225	0
2019	0.00000560	0.124800	0	0.00138	-3.924	0.040	23	160.696	0
2020	0.00000280	0.084400	0	0.00071	-6.791	0.039	22	152.167	0
SUM (Lifecycle)	0.000070	12.582718	0	0.01680	648.87	2.200	235	50.883.395	2.490.802
PV	0.000037	0.000424	0	0.00076	0.022	0.0098	N/A	N/A	N/A

# of Units	AG. LIGHTING			AG. PUMPING			AG. MECH.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
Resource Benefit (\$000, gross):	6,993,090	3,435,093	N/A	81,374	56,421	389,011	N/A	N/A	N/A
Net kWh Gross Ratio:	277	1,455	0	713	1,292	245	25	172	181
Resource Benefit (\$000, net):	0.770	0.770	N/A	0.77887	0.78341	0.75	0.67	0.72	0.70
Impact Study References:	214	1,120	0	955	1,012	184	16	123	143
Study used for Forecast:									
Required 1st LT Study, 2nd Claim:									
Required Persistence, 3rd Claim:									
Required Persistence, 4th Claim:									
Study ID #	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Study ID #	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Study ID #	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:  
 (1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV=RIBye of units

Table E-2

(Revised 10/29/97)

Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Non-Residential New Construction  
 (in thousands of 1996 Dollars)

	End Use Totals		Number of Units		Average Per Unit (\$ dollars)	
		Total		Total		Total
1 Measurement Costs		3.24		392		0.00826446
2 Administration	\$	3,348		392		8.54
3 Program Incentives	\$	6,264		392		15.98
4 Program Costs	\$	9,612		392		24.52
5 Incremental Measure Costs, gross	\$	7,097		392		18.10
6 Resource Benefits, gross	\$	44,938		392		114.64
7 Net-to-Gross Ratio		0.75				
8 Incremental Measure Costs, net	\$	5,322		392		13.58
9 Resource Benefits, net	\$	33,703		392		85.98
<b>Second Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Third Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Fourth Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A

Table E-3

(Revised 10/29/97)

## Components of Resource Benefit Values

Program Year: 1996

Program: Non-Residential New Construction

(1996 Dollars)

Year	NRNC TOTAL			Therms
	kW	kWh		
1996	47.68	202,636		0.00
1997	45.36	192,785		0.00
1998	42.99	182,731		0.00
1999	40.63	172,677		0.00
2000	39.72	168,814		0.00
2001	38.82	165,011		0.00
2002	37.93	161,207		0.00
2003	37.03	157,404		0.00
2004	36.15	153,660		0.00
2005	35.27	149,916		0.00
2006	34.39	146,173		0.00
2007	33.50	142,369		0.00
2008	32.62	138,625		0.00
2009	31.74	134,882		0.00
2010	30.85	131,138		0.00
2011	29.97	94,645		0.00
2012	10.59	35,606		0.00
2013	1.77	18,653		0.00
2014	1.71	18,071		0.00
2015	1.66	17,489		0.00
2016	0.00	0		0.00
2017	0.00	0		0.00
2018	0.00	0		0.00
2019	0.00	0		0.00
2020	0.00	0		0.00
SUM (Lifecycle)	47.68	2,504,493		0.00
IPV	24.74	89,90		0.00

  

	NRNC TOTAL			Therms
	kW	kWh		
# of Units:	392	392		N/A
Resource Benefit (\$3000, gross):	\$ 9,696	\$ 35,239		0.00
Net-to-Gross Ratio:	0.75	0.75		N/A
Resource Benefit (\$3000, net):	\$ 7,274	\$ 26,430		0

  

Impact Study References:	Study ID #
Study used for Forecast	N/A
Required 1st LTV Study, 2nd Claim	N/A
Required Persistence, 3rd Claim	N/A
Required Persistence, 4th Claim	N/A

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**Pacific Gas and Electric Company**

**PY95 Second Earnings Claim  
E-Tables**

Table E-1 (Revised 10/29/97)  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1995 Second Earnings Claim

CMT/CAS/ Costs and Benefits For Earnings (000's \$)	SHARE SAVINGS PROGRAMS										Total Including M&E Costs		
	Retiree Energy Efficiency Incentive Programs					New Construction Programs							
	RWRI	RAE(1)	CEE(2)	IEE(3)	AEE(4)	Total	Res.	Members	Total	Res. (2)		Points Members (2)	Total
1 Measurement Costs	0	0	1,456	1,394	450	3,280	0	0	0	0	0	2,812	2,812
2 Administration	217	700	4,259	3,004	449	8,628	0	0	0	1,771	1,771	9,482	10,396
3 Program Incentives	215	1,829	21,745	10,347	4,179	38,335	0	0	0	1,767	1,767	38,058	40,102
4 Program Costs	432	2,529	26,005	13,371	4,826	48,983	0	0	0	3,538	3,538	47,501	50,501
5 Incremental Measure Costs, net (M/C)	653	4,354	44,987	22,843	10,224	83,054	0	0	0	7,927	7,927	78,569	84,786
6 Resource Benefits, net (R/B)	2,117	9,933	133,145	77,826	30,496	253,532	0	0	0	11,047	11,047	242,529	264,579
7 Target Earnings Rate (TER) (%)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
8 Performance Earnings Base, at target (PEB)	1,233	5,720	91,633	56,147	21,969	178,741	0	0	0	7,532	7,532	177,301	184,274
9 Target Earnings	378	1,716	27,495	16,844	6,591	53,022	0	0	0	2,260	2,260	2,092	55,282
10 TPC BCR, with Earnings	1.45	1.47	1.74	1.82	1.79	1.75	0.00	0.00	0.00	1.92	1.48	1.78	1.76
11 UC BCR, with Earnings	2.02	2.34	2.49	2.56	2.72	2.54	0.00	0.00	0.00	1.91	1.91	2.51	2.50
<b>RECORDED - FIRST EARNINGS CLAIM (1995 A/EAP)</b>													
Costs and Benefits For Earnings (000's \$)	0	0	4,99	4,99	3,33	13,30	0	0	0	0	0	13,30	13,30
1 Recorded Measurement Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Recorded Administration (2)	50	1,375	28,875	12,819	2,907	45,827	2,502	3,826	3,826	3,727	48,427	52,154	52,154
3 Recorded Incremental Measure Costs, net	281	1,157	45,080	16,438	6,420	49,378	1,886	3,743	3,743	3,134	71,683	74,817	74,817
4 Recorded Resource Benefits, net	689	6,339	179,149	72,331	17,508	278,014	4,037	31,405	35,442	11,085	300,392	311,457	311,457
5 Recorded Performance Earnings Base (PEB)	427	5,684	133,953	53,315	11,586	204,983	1,203	25,976	27,259	7,294	224,831	232,224	232,224
6 Recorded P/B P/E R (%) (Minimum 75%)	34%	99%	148%	95%	53%	116%	0.00%	34%	36%	108%	127%	126%	126%
7 Recorded Earnings	126	1,705	40,186	15,904	3,476	61,400	395	7,793	8,178	2,218	67,449	69,667	69,667
8 TPC BCR, with Earnings	1.50	2.68	1.97	2.00	1.98	1.97	1.41	2.38	2.21	1.94	1.99	1.99	1.99
9 UC BCR, with Earnings	3.10	2.66	2.40	2.22	2.48	2.36	1.10	2.37	2.09	1.76	2.33	2.33	2.33
10 Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
11 Earnings Claim for Recovery (1st Claim)	37	426	10,046	3,999	810	15,372	94	1,948	2,044	555	16,902	17,417	17,417
Second Earnings Claim													
1 Recorded Measurement Costs	18	65	1,308	946	251	2,588	5,068	201	206	87	2,707	2,794	2,794
2 Revised Resource Benefits, net	233	4,930	162,701	68,471	9,993	246,299	4,037	36,122	42,159	9,221	279,237	288,458	288,458
3 Recorded PEB (1)	-9	4,156	115,473	49,355	4,078	173,054	1,283	32,693	33,975	5,430	201,400	204,235	204,235
4 Revised Earnings	-3	1,247	34,642	14,807	1,224	51,916	385	9,808	10,193	1,629	60,480	62,109	62,109
5 Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
6 Recorded Earnings (for 2nd Claim)	1	623	17,321	7,403	612	25,658	192	4,904	5,096	814	30,240	31,054	31,054
7 Earnings Received from 1st Claim	32	426	10,046	3,999	810	15,372	94	1,948	2,044	555	16,902	17,417	17,417
8 Recorded Incremental Earnings	33	197	7,274	3,405	257	10,595	96	2,955	3,052	260	13,376	13,636	13,636
Third Earnings Claim													
1 Recorded Measurement Costs													
2 Revised Resource Benefits, net													
3 Recorded PEB													
4 Earnings Distribution Share (3rd Claim)													
5 Recorded Earnings (for 3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
6 Earnings Received from 1st and 2nd Claim													
7 Recorded Incremental Earnings													
Fourth Earnings Claim													
1 Recorded Measurement Costs													
2 Revised Resource Benefits, net													
3 Recorded PEB													
4 Revised Earnings													
5 Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6 Recorded Earnings (for 4th Claim)													
7 Earnings Received from 1st, 2nd, and 3rd Claim													
8 Recorded Incremental Earnings													
Total Earnings													

(1) The recorded PEB has been modified to reflect the amount of C/M/A/C's 1996 Measure Cost Study  
 (2) Includes Bidding Programs  
 (3) For Bidding Programs, the Administration Costs do not include first year bid payments and the Incentive costs include recycle bid payments.  
 P/S&E Annual Summary Of OS&M Programs - April 1997

(Revised 10/29/97)

Table E-1  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1995 Second Earnings Claim

	PERFORMANCE ADDER PROGRAMS												TOTAL (\$'95)
	Non-Substitution Programs			Energy Management Services Programs					Direct Assistance Programs				
	Base	Non-Base	Total	Base	Non-Base	Adm	Total	Base	Non-Base	Total			
<b>Forecast Costs and Benefits For Earnings 1995's</b>													
1 Administration	0.07%	2,534	4,561	0.777	2,004	2,004	1,407	10,100	1,004	1,414	0.07%	76,571	36,773
2 Program Incentives	0.07%	2,092	12,917	0	0	0	0	10,100	0	0	0	31,130	30,061
3 Program Costs	13.0%	6,221	20,001	0.777	3,004	3,004	1,407	10,100	20,000	10,000	10,000	0.771	115,727
4 Incremental Measure Costs, net PUC's	7.00%	3,700	10,000	0.301	2,001	2,001	771	2,301	10,000	100	100	27,204	0.971
5 Resource Benefits, net PUC's	10.16%	35,010	30,776	1.471	0.01	0.01	2,967	22,076	100	100	20,201	10,407	302,006
<b>Target Earnings 1995's</b>													
16 Target Earnings Rate (TER) (%)	13	13	13	5	5	5	5	5	5	5	5	5	5
17 Performance Earnings Goal, at target PUC's	13,000	0.777	20,001	0.777	3,004	3,004	1,407	10,100	20,000	0	20,000	0.771	230,494
18 Target Earnings	0	701	701	0.01	100	100	70	707	1,000	0	1,000	2,000	97,700
TWC BCN, with Earnings	1.20	2.63	2.70	1.00	0.77	0.77	0.30	0.93	1.20	1.00	1.00	0.01	1.61
UCR BCN, with Earnings	1.02	1.67	1.91	2.00	1.01	0.71	1.73	2.10	1.00	1.00	0.01	1.01	2.00
<b>First Earnings Claim (1995 ADAP)</b>													
Recorded Administration	3,167	1,254	4,522	6,751	3,776	1,196	1,093	12,816	5,584	4,726	10,312	27,650	30,500
Recorded Program Incentives	15,211	3,746	18,956	0	0	0	0	0	10,950	0,004	20,822	39,776	81,833
Recorded Incremental Measure Costs, net	8,099	3,549	12,448	5,410	1,200	151	2,825	9,645	10,163	9,470	19,633	41,766	114,503
Recorded Resource Benefits, net	15,918	26,495	42,414	28,584	4,312	378	2,183	33,416	9,840	8,223	17,863	93,682	401,149
Recorded PEB	18,378	5,100	23,478	6,751	3,776	1,196	1,093	12,816	16,542	14,592	31,134	67,429	209,953
Recorded PER/PEB (%) [1]	(1)	(1)	1.17	0.77	1.26	0.40	0.78	0.85	N/A	N/A	1.56	1.22	1.21
Recorded PER/PEB (%) [2]	(1)	0.15	0.15	0.22	0.19	0.75	0.48	0.72	0.81	0	0.61	2,289	71,950
Recorded Earnings	1.32	4.55	2.37	2.11	0.83	0.27	0.55	1.44	0.58	0.58	0.58	1.31	1.78
TWC BCN, with Earnings	0.87	4.40	1.74	3.70	1.09	0.30	1.90	2.47	0.56	0.56	0.56	1.34	1.98
UCR BCN, with Earnings	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Distribution Share (1st Claim)	0	229	229	106	42	19	12	178	165	0	165	572	17,900
Earnings Claim for Recovery (1st Claim)													
<b>Second Earnings Claim</b>													
Recorded Measurement Costs	20	140	160	22	26	2	14	66	-24	21	41	271	3,045
Revised Resource Benefits, net	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	302,150
Recorded PEB	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	271,004
Revised Earnings	(2)	915	915	422	169	75	46	712	661	0	661	2,288	83,959
Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings (for 2nd Claim)	0	458	458	211	85	38	23	356	331	0	331	1,144	24,700
Earnings Recovered from 1st Claim	0	229	229	106	42	19	12	178	165	0	165	572	17,900
Recorded Incremental Earnings	0	229	229	106	42	19	12	178	165	0	165	572	17,781
<b>Third Earnings Claim</b>													
Revised Resource Benefits, net													
Recorded PEB													
Revised Earnings													
Earnings Distribution Share (3rd Claim)													
Recorded Earnings (for 3rd Claim)													
Earnings Recovered from 1st and 2nd Claim													
Recorded Incremental Earnings													
<b>Fourth Earnings Claim</b>													
Revised Resource Benefits, net													
Recorded PEB													
Revised Earnings													
Earnings Distribution Share (4th Claim)													
Recorded Earnings (for 4th Claim)													
Earnings Recovered from 1st, 2nd, and 3rd Claim													
Recorded Incremental Earnings													
<b>Total Earnings</b>													

[1] The program does not have a minimum performance standard. It is eligible for shareholder earnings if the program is cost-effective.  
 [2] This program does not earn shareholder earnings since it did not pass the dual test PUC test (cost).  
 [3] All EM Services and the Direct Assistance Program passed minimum performance standards. See Table B-1.  
 [4] As stated in the M&E Protocol, Decision 93-05-063, Revised February 1996, Table 10, Section B, Item 2.  
 \*The first year level impact and retention studies are required to be completed, but their results will not be used to adjust any of the earnings claims.\*

Table E-2

(No Change From May 1, 1997 Filing)

**Planned Costs and Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1995 Second Earnings Claim  
Program: Residential Weatherization Retrofit Incentives  
(in thousands of 1995 Dollars)**

	End Use Totals			Number of Units		Avg. Per Unit (\$ dollars)	
	E/G HEATING	ELEC. HT/COOL W/ HP	Total	E/G HEATING	ELEC. HT/COOL W/ HP	E/G HEATING	ELEC. HT/COOL W/ HP
1 Measurement Costs	0	0	0	97	425	0.00	0.00
2 Administration	\$ 5	\$ 33	\$ 38	97	425	\$ 0.05	\$ 0.08
3 Program Incentives	\$ 6	\$ 44	\$ 50	97	425	\$ 0.06	\$ 0.10
4 Program Costs	\$ 11	\$ 77	\$ 88	97	425	\$ 0.11	\$ 0.18
5 Incremental Measure Costs, gross	\$ 56	\$ 254	\$ 310	97	425	\$ 0.58	\$ 0.60
6 Resource Benefits, gross	\$ 103	\$ 635	\$ 739	97	425	\$ 1.07	\$ 1.49
7 Net-to-Gross Ratio	0.91	0.90	0.91				
8 Incremental Measure Costs, net	\$ 51	\$ 230	\$ 281	97	425	\$ 0.53	\$ 0.54
9 Resource Benefits, net	\$ 95	\$ 574	\$ 669	97	425	\$ 0.97	\$ 1.35
<b>Second Earnings Claim</b>							
Measurement Costs			18				
Revised Net Resource Benefits	25	209	233	3,063	824	0.008	0.253
<b>Third Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Table E-3

(No Change From May 1, 1997 Filing)

Components of Resource Benefit Values

Program Year: 1995 Second Earnings Claim

Program: Residential Weatherization Retrofit Incentives

(1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	E/G HEATING			ELEC. HT/COOL. W/HP		
	kWh	kWh	Therms	kWh	kWh	Therms
1995	0.00	32.70	39.40	0.00	78.90	19.80
1996	0.00	32.70	39.40	0.00	78.90	19.80
1997	0.00	32.70	39.40	0.00	78.90	19.80
1998	0.00	32.70	39.40	0.00	78.90	19.80
1999	0.00	32.70	39.40	0.00	78.90	19.80
2000	0.00	32.05	38.61	0.00	77.37	19.40
2001	0.00	31.07	37.43	0.00	74.86	18.81
2002	0.00	30.41	36.64	0.00	73.36	18.41
2003	0.00	29.43	35.46	0.00	71.01	17.87
2004	0.00	28.78	34.67	0.00	69.43	17.47
2005	0.00	28.12	33.88	0.00	67.85	17.03
2006	0.00	27.47	33.10	0.00	66.28	16.63
2007	0.00	26.81	32.31	0.00	64.70	16.24
2008	0.00	26.16	31.52	0.00	63.12	15.84
2009	0.00	25.51	30.73	0.00	61.54	15.44
2010	0.00	24.85	29.94	0.00	59.96	15.05
2011	0.00	24.20	29.16	0.00	58.39	14.65
2012	0.00	23.54	28.37	0.00	56.81	14.26
2013	0.00	22.89	27.58	0.00	55.23	13.86
2014	0.00	22.24	26.79	0.00	53.65	13.46
2015	0.00	21.59	26.00	0.00	52.08	13.07
2016	0.00	21.24	25.61	0.00	51.29	12.87
2017	0.00	20.60	24.82	0.00	49.71	12.47
2018	0.00	20.27	24.43	0.00	48.92	12.26
2019	0.00	19.62	23.64	0.00	47.34	11.86
SUM (Lifecycle)	0.00	671	808	0.00	1,618	400
AV	N/A	0.0302	0.363	N/A	0.070	0.193

	E/G HEATING			ELEC. HT/COOL. W/HP		
	kWh	kWh	Therms	kWh	kWh	Therms
# of Units	0	3,083	2.16	0.00	7,381	824
Resource Benefit (\$000, gross)	\$ 10	\$ 92	0.827	\$ 301	\$ 168	\$ 159
Net-to-Gross Ratio	0.2260	0.7250	0.4404	0.22600	0.22500	0.44000
Resource Benefit (\$000, net)	\$ 2	\$ 27	0.529	\$ 68	\$ 38	\$ 107
Impact Study References						
Study used for Forecast		12			12	
Required Persistence, 1st Claim		332			332	
Required Persistence, 2nd Claim						
Required Persistence, 3rd Claim						
Required Persistence, 4th Claim						

(No Change From May 1, 1997 Filing)

Table E-2

Planned Costs and Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1995 Second Earnings Claim  
Program: Residential Appliance Efficiency Incentives  
(in thousands of 1995 Dollars)

	End Use Totals					Number of Units				Average Per Unit (\$ dollars)			
	MUD LIGHTING	PSP LIGHTING	ELE HTG/COOLIN G	OTHER	Total	MUD LIGHTING	PSP LIGHTING	ELE HTG/COOLIN G	OTHER	MUD LIGHTING	PSP LIGHTING	ELE HTG/COOLIN G	OTHER
1 Measurement Costs	0	0	0	0	0	34,839	8,183	1,590	4,694	0.000	0.000	0	0
2 Administration	\$ 98	\$ 18	\$ 122	\$ 5	\$ 240	34,839	8,183	1,590	4,694	0.003	0.002	\$ 0.08	0.0010
3 Program Incentives	\$ 327	\$ 461	\$ 371	\$ 15	\$ 1,175	34,839	8,183	1,590	4,694	0.009	0.056	\$ 0.23	0.0033
4 Program Costs	\$ 425	\$ 477	\$ 493	\$ 20	\$ 1,415	34,839	8,183	1,590	4,694	0.012	0.058	\$ 0.31	0.0043
5 Incremental Measure Costs, gross	\$ 790	0	\$ 487	\$ 2	\$ 1,200	34,839	8,183	1,590	4,694	0.020	0.000	\$ 0.31	0.0005
6 Resource Benefits, gross	\$ 3,955	\$ 1,037	\$ 1,419	\$ 176	\$ 6,588	34,839	8,183	1,590	4,694	0.114	0.127	\$ 0.89	0.0375
7 Net-to-Gross Ratio	0.9388	1.00	1.00	1.00	0.95								
8 Incremental Measure Costs, net	\$ 687	0	\$ 487	\$ 2	\$ 1,157	34,839	8,183	1,590	4,694	0.019	0.000	\$ 0.31	0.0005
9 Resource Benefits, net	\$ 3,278	\$ 1,037	\$ 1,419	\$ 176	\$ 6,358	34,839	8,183	1,590	4,694	0.107	0.127	\$ 0.89	0.0375
Second Earnings Claim													
Measurement Costs					95								
Revised Net Resource Benefits	2,486	1,029	1,280	176	4,950	388	85	4,153	N/A	8.36	12.04	0.31	N/A
Third Earnings Claim													
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim													
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3

(No Change From May 1, 1997 Filing)

Components of Resource Benefit Values

Program Year: 1995 Second Earnings Claim

Program: Residential Appliance Efficiency Incentives

(1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	MUD LIGHTING			PSP LIGHTING (2)			ELECTRIC COOLING			OTHER		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
1995	0.1818	16,720	0.00	0.0800	11,035	0.00	0.23	248.08	4.36	0.00	0.00	6.80
1996	0.1818	16,720	0.00	0.0800	11,035	0.00	0.23	248.08	4.36	0.00	0.00	6.80
1997	0.1818	16,720	0.00	0.0800	11,035	0.00	0.23	248.08	4.36	0.00	0.00	6.80
1998	0.1818	16,720	0.00	0.0800	11,035	0.00	0.23	248.08	4.36	0.00	0.00	6.80
1999	0.1818	16,720	0.00	0.0800	11,035	0.00	0.23	248.08	4.36	0.00	0.00	6.80
2000	0.1782	16,365	0.00	0.0800	11,035	0.00	0.23	243.12	4.28	0.00	0.00	6.66
2001	0.1777	15,884	0.00	0.0800	11,035	0.00	0.22	235.68	4.15	0.00	0.00	6.46
2002	0.1691	15,549	0.00	0.0800	11,035	0.00	0.21	230.72	4.06	0.00	0.00	6.37
2003	0.1619	14,892	0.00	0.0800	11,035	0.00	0.21	222.27	3.93	0.00	0.00	6.12
2004	0.1563	14,361	0.00	0.0800	11,035	0.00	0.20	218.31	3.84	0.00	0.00	5.96
2005	0.0960	5,152	0.00	0.0800	11,035	0.00	0.20	213.35	3.75	0.00	0.00	5.85
2006	0.0947	5,022	0.00	0.0800	11,035	0.00	0.19	208.39	3.67	0.00	0.00	5.71
2007	0.0934	4,912	0.00	0.0800	11,035	0.00	0.19	203.43	3.58	0.00	0.00	5.58
2008	0.0921	4,793	0.00	0.0800	11,035	0.00	0.18	198.05	0.00	0.00	0.00	5.44
2009	0.0908	4,673	0.00	0.0800	11,035	0.00	0.18	191.16	0.00	0.00	0.00	5.30
2010	0.0890	3,875	0.00	0.0800	11,035	0.00	0.17	186.25	0.00	0.00	0.00	0.00
2011	0.0000	0	0.00	0.0800	11,035	0.00	0.17	181.35	0.00	0.00	0.00	0.00
2012	0.0000	0	0.00	0.0800	11,035	0.00	0.16	176.45	0.00	0.00	0.00	0.00
2013	0.0000	0	0.00	0.0800	11,035	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.0000	0	0.00	0.0800	11,035	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.0000	0	0.00	0.0000	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.0000	0	0.00	0.0000	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.0000	0	0.00	0.0000	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	0.0000	0	0.00	0.0000	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	0.0000	0	0.00	0.0000	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAME (Laboratory)	0.18	169,402	0.00	0.0800	220,700	0.00	0.23	3,949	51	0.00	0.00	93.43
PV	0.180	8,453	0.00	0.2278	875	0.00	0.2368	0.1813	0.0272	0.00	0.00	0.038

	MUD LIGHTING			PSP LIGHTING			ELECTRIC COOLING			OTHER		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
# of Units	3,797	368	N/A	1,306	85	N/A	2,816	4,153	99	4,096	4,696	4,696
Resource Benefit (\$000, gross)	895	3,290	0	195	833	0	690	753	27	0	0	176
Net-to-Gross Ratio	0.44000	0.66000	N/A	1.00	1.00	N/A	0.88600	0.88600	0.55000	1.00000	1.00000	1.00000
Resource Benefit (\$000, net)	305	2,195	0	195	833	0	398	867	15	0	0	176
Impact Study References												
Study used for Forecast	14, 15, 39, 303, 307, 308			N/A			8				15	
Required 1st LTY Study, 2nd Claim	364			395a			364				364	
Required Persistence, 3rd Claim	N/A			N/A			N/A				N/A	
Required Persistence, 4th Claim	N/A			N/A			N/A				N/A	

Notes

(1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV=RB\*gt of units

(2) Since the DUOM for PSP was not defined in the PSP M&E study, the DUOM from the equivalent end-use from the Residential Appliance Efficiency M&E study was used

Table E-2

(No Changes From May 1, 1997 Filing)

## Planned Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1995 Second Earnings Claim

Program: Residential New Construction

(in thousands of 1995 Dollars)

	End Use Totals		Number of Units		Average Per Unit (\$ dollars)	
		Total		Total		Total
1 Measurement Costs		0		2,187		0.00
2 Administration	\$	790		2,187	\$	0.36
3 Program Incentives	\$	2,502		2,187	\$	1.14
4 Program Costs	\$	3,292		2,187	\$	1.51
5 Incremental Measure Costs, gross	\$	1,897		2,187	\$	0.87
6 Resource Benefits, gross	\$	4,514		2,187	\$	2.06
7 Net-to-Gross Ratio		0.89				
8 Incremental Measure Costs, net	\$	1,696		2,187	\$	0.78
9 Resource Benefits, net	\$	4,037		2,187	\$	1.85
<b>Second Earnings Claim</b>						
Measurement Costs		\$				
Revised Net Resource Benefits		4,037		2,187		1.85
<b>Third Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Fourth Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A

(No Changes From May 1, 1997 Filing)

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: Residential New Construction  
 (1995 Dollars)

Year	Forecast: Average Lead Impacts Per Unit (Gross)		Total
	NAV	THREATS	
1995	0.71	1,115	40
1996	0.71	1,115	40
1997	0.71	1,115	40
1998	0.71	1,115	40
1999	0.71	1,115	40
2000	0.70	1,093	38
2001	0.68	1,069	37
2002	0.66	1,037	36
2003	0.64	1,003	34
2004	0.62	981	33
2005	0.61	959	32
2006	0.60	936	31
2007	0.58	914	30
2008	0.57	892	29
2009	0.56	870	28
2010	0.54	847	27
2011	0.53	825	26
2012	0.51	778	24
2013	0.28	440	20
2014	0.27	438	20
2015	0.25	288	13
2016	0.25	276	12
2017	0.24	271	12
2018	0.23	267	11
2019	0.23	248	10
<b>Total (Unweighted)</b>	<b>0.71</b>	<b>19,993</b>	<b>816</b>
<b>NAV</b>	<b>0.61</b>	<b>0.61</b>	<b>0.61</b>

	Total	
	NAV	THREATS
# of Units	2,187	2,187
Resource Benefit (\$000, gross)	1,776 \$	1,850 \$
Net-to-Gross Ratio	0.94	0.89
Resource Benefit (\$000, net)	1,877 \$	1,648 \$
Impact Study References		
Study used for Forecast		20, 301, 30, 44
Required 1st ILY Study, 2nd Claim		NR
Required Persistence, 3rd Claim		NR
Required Persistence, 4th Claim		NR

(Revised 10/29/97)

Table E-2 (Revised 10/24/97)  
 Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: Communital Energy Efficiency Incentives  
 (In thousands of 1995 Dollars)

	End Use 1: REFRIG			End Use 2: REFRIG			End Use 3: REFRIG			End Use 4: REFRIG			End Use 5: REFRIG			End Use 6: REFRIG			End Use 7: REFRIG		
	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC	COM LIG	PSP LIG	MISC
1 Measurement Costs	1.48	0.48	0	1.48	0.48	0	1.48	0.48	0	1.48	0.48	0	1.48	0.48	0	1.48	0.48	0	1.48	0.48	0
2 Administration	2.01	0.81	0	2.01	0.81	0	2.01	0.81	0	2.01	0.81	0	2.01	0.81	0	2.01	0.81	0	2.01	0.81	0
3 Program Incentives	0.20	14,280	0	0.20	14,280	0	0.20	14,280	0	0.20	14,280	0	0.20	14,280	0	0.20	14,280	0	0.20	14,280	0
4 Program Costs	0.24	14,080	0	0.24	14,080	0	0.24	14,080	0	0.24	14,080	0	0.24	14,080	0	0.24	14,080	0	0.24	14,080	0
5 Incentives Measure Costs, gross	29.24	1,779	0	29.24	1,779	0	29.24	1,779	0	29.24	1,779	0	29.24	1,779	0	29.24	1,779	0	29.24	1,779	0
6 Incentives Measure Costs, net	49.77	37,993	0	49.77	37,993	0	49.77	37,993	0	49.77	37,993	0	49.77	37,993	0	49.77	37,993	0	49.77	37,993	0
7 Measurement Costs, net	0.77	1.48	0	0.77	1.48	0	0.77	1.48	0	0.77	1.48	0	0.77	1.48	0	0.77	1.48	0	0.77	1.48	0
8 Measurement Costs, net	21.74	1,779	0	21.74	1,779	0	21.74	1,779	0	21.74	1,779	0	21.74	1,779	0	21.74	1,779	0	21.74	1,779	0
9 Measurement Costs, net	0.51	37,993	0	0.51	37,993	0	0.51	37,993	0	0.51	37,993	0	0.51	37,993	0	0.51	37,993	0	0.51	37,993	0
Second Earnings Claim																					
Measurement Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Incentives	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, gross	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Third Earnings Claim																					
Measurement Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Incentives	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, gross	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Fourth Earnings Claim																					
Measurement Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Incentives	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Program Costs	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, gross	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Incentives Measure Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Measurement Costs, net	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0

(Revised 10/25/97)

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: Commercial Energy Efficiency Incentives  
 (1995 Dollars)

Year	Combined HVAC Lighting (2)			HVAC			REFRIGERATION			MISC.		
	NW	Therms	Therms	NW	Therms	Therms	NW	Therms	Therms	NW	Therms	Therms
1995	0.000029	0.348	0.000007	0.000000	0.000000	0.000000	2.41	24.261	0.00	1.941	17.443,311	1.481,736
1996	0.000029	0.333	0.000007	0.000000	0.000000	0.000000	2.37	23.078	0.00	1.941	17.443,311	1.481,736
1997	0.000029	0.317	0.000007	0.000000	0.000000	0.000000	2.04	21.797	0.00	1.941	17.443,311	1.481,736
1998	0.000029	0.302	0.000007	0.000000	0.000000	0.000000	1.94	20.881	0.00	1.934	17.443,311	1.481,736
2000	0.000029	0.275	0.000007	0.000000	0.000000	0.000000	1.85	20.129	0.00	1.934	17.443,311	1.481,736
2001	0.000029	0.275	0.000007	0.000000	0.000000	0.000000	1.85	20.129	0.00	1.934	17.443,311	1.481,736
2002	0.000029	0.258	0.000007	0.000000	0.000000	0.000000	1.85	19.154	0.00	1.934	17.443,311	1.481,736
2003	0.000029	0.248	0.000007	0.000000	0.000000	0.000000	1.81	18.058	0.00	1.934	17.443,311	1.481,736
2005	0.000029	0.237	0.000007	0.000000	0.000000	0.000000	1.51	15.644	0.00	1.884	15,948,008	1,338,884
2006	0.000029	0.224	0.000007	0.000000	0.000000	0.000000	1.23	14.003	0.00	1.884	15,948,008	1,338,884
2007	0.000029	0.224	0.000007	0.000000	0.000000	0.000000	1.13	12.748	0.00	1.884	15,948,008	1,338,884
2008	0.000029	0.224	0.000007	0.000000	0.000000	0.000000	1.08	12.489	0.00	1.884	15,948,008	1,338,884
2009	0.000029	0.215	0.000007	0.000000	0.000000	0.000000	0.94	10.495	0.00	1.837	15,274,099	1,281,112
2010	0.000029	0.211	0.000007	0.000000	0.000000	0.000000	0.93	9.316	0.00	1.140	12,358,934	1,247,808
2011	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.78	7.88	0.00	1.150	4,511,750	1,247,808
2012	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.74	7.42	0.00	1.094	4,348,740	1,247,808
2013	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.74	7.42	0.00	1.094	4,348,740	1,247,808
2014	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
2015	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
2016	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
2017	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
2018	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
2019	0.000029	0.201	0.000007	0.000000	0.000000	0.000000	0.00	0.00	0.00	1.094	4,348,740	1,247,808
Total (1995-2019)	0.000029	0.241	0.000007	0.000000	0.000000	0.000000	2.41	248.053	0.00	1.941	17,443,311	1,481,736
PV	0.000029	0.000116	0.000113	0.000022	0.000022	0.000022	1.78	8.28	0.00	1.78	248.053	28,370,888

  

Year	Combined HVAC Lighting			HVAC			REFRIGERATION			MISC.		
	NW	Therms	Therms	NW	Therms	Therms	NW	Therms	Therms	NW	Therms	Therms
1995	487,818,164	48,494,887	0	147,009,328	151,303,182	0	886	714	0	2,151	12,930	10,884
1996	34,324	67,487	0	3,217	6,435	0	1,538	5,814	0	0	0	0
1997	0.76000	0.76000	0	0.44000	0.44000	0	0.10000	0.10000	0	0.73184	0.73034	0.73007
1998	27,243	53,319	0	2,184	4,368	0	775	3,018	0	1,918	8,832	6,914
Total	31,32,33,37,43,179	31,32,33,37,43,179	0	31,32,37,43,179	31,32,37,43,179	0	31,32,37,43,179	31,32,37,43,179	0	31,32,37,43,179	31,32,37,43,179	31,32,37,43,179
PV	31,32,33,37,43,179	31,32,33,37,43,179	0	31,32,37,43,179	31,32,37,43,179	0	31,32,37,43,179	31,32,37,43,179	0	31,32,37,43,179	31,32,37,43,179	31,32,37,43,179

Notes:  
 (1) Values reported in lower section are used to calculate PV for each end use element in a "bottom-up" approach, i.e., PV/RB of units  
 (2) Since the DUOM for PESP was not defined in the PESP M&E study, the DUOM from the equivalent end-use from the Commercial CEEI M&E study was used

# of Units  
 Resource Benefit (\$1000, gross)  
 Net-to-Gross Ratio  
 Resource Benefit (\$1000, net)  
 Impact Study Reference  
 Study used for Forecast  
 Required 1st LTV Study, 2nd Claim  
 Required Penetration, 3rd Claim  
 Required Penetration, 4th Claim

(Revised 10/29/97)

Table E.2  
 Planned Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: Industrial Energy Efficiency Incentives  
 (In thousands of 1995 Dollars)

	Lighting			End Use (Units)			Number of Units			Average Per Unit (\$ dollars)			MISC	
	Lighting	MVAC	IND PROOC	Lighting	MVAC	IND PROOC	Lighting	MVAC	IND PROOC	Lighting	MVAC	IND PROOC		
1 Measurement Costs	1,441	1,441	0	0	0	0	0	0	0	0	0	0	N/A	
2 Administration	479	207	527	3,770	1,075	1,492	4,442	3,770	1,075	1,492	0.00000	0.00000	0	
3 Program Incentives	2,199	1,247	1,956	12,840	5,725	1,114	19,695	0.00012	0.00003	0.00001	0.00012	0.00003	21	
4 Program Costs	3,034	1,714	2,483	14,947	7,490	1,528	24,964	0.00047	0.00006	0.00004	0.00047	0.00006	517	
5 Instrumental Measure Costs, gross	4,038	2,428	3,466	25,799	12,762	2,646	36,207	0.00044	0.00008	0.00005	0.00044	0.00008	600	
6 Resource Benefits, gross	27,402	12,204	10,887	149,888	69,495	14,887	274,268	0.00336	0.00008	0.00006	0.00336	0.00008	1,341	
7 Net-In-Cost Ratio	0.07	0.07	0.06	0.06	0.06	0.06	0.06							
8 Instrumental Measure Costs, net	2,104	2,689	2,277	14,479	6,767	1,408	23,653	0.00044	0.00008	0.00005	0.00044	0.00008	63	
9 Resource Benefits, net	14,170	7,708	10,888	173,331	82,730	14,888	274,268	0.00314	0.00008	0.00006	0.00314	0.00008	1,341	
Second Earnings Claim														
Measurement Costs	14,140	7,697	6,740	149,888	69,495	14,887	274,268	0.00011	0.00003	0.00001	0.00011	0.00003	381	
Resource Benefits														
Third Earnings Claim														
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Resource Benefits														
Fourth Earnings Claim														
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Resource Benefits														



(Revised 10/29/97)

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: Industrial Energy Efficiency Incentives  
 (1995 Dollars)

Year	Lighting			HVAC			IND PROCESS			PSP PROCESS (2)			MISC		
	\$/Unit	Therms	Therms	\$/Unit	Therms	Therms	\$/Unit	Therms	Therms	\$/Unit	Therms	Therms	\$/Unit	Therms	Therms
1995	0.000917	0.3791	0.200	0.000871	0.423	0.200	45,000	378,010	137,147	45,000	378,010	137,147	2,457	15,000,748	281,004
1996	0.000947	0.3511	0.00	0.000947	0.018	0.197	50,405	424,653	73,279	45,000	378,010	0	2,457	15,000,748	281,004
1997	0.000974	0.3491	0.00	0.000974	5.518	0.175	50,405	424,653	73,279	45,000	378,010	0	2,457	15,000,748	281,004
1998	0.000999	0.3253	0.00	0.000999	5.176	0.142	45,000	378,010	81,153	45,000	378,010	0	2,457	15,000,748	281,004
1999	0.000999	0.3178	0.00	0.000999	4.899	0.153	42,200	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2000	0.000999	0.3177	0.00	0.000999	4.873	0.153	38,800	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2001	0.000972	0.3068	0.00	0.000972	4.679	0.148	37,299	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2002	0.000948	0.2973	0.00	0.000948	4.487	0.144	37,299	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2003	0.000919	0.2974	0.00	0.000919	4.259	0.139	36,899	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2004	0.000879	0.2914	0.00	0.000879	4.099	0.131	36,899	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2005	0.000819	0.2897	0.00	0.000819	3.898	0.130	29,113	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2006	0.000802	0.2841	0.00	0.000802	3.697	0.115	29,113	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2007	0.000795	0.2772	0.00	0.000795	3.548	0.111	25,382	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2008	0.000794	0.2526	0.00	0.000794	3.371	0.107	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2009	0.000777	0.2499	0.00	0.000777	3.249	0.107	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2010	0.0008242	0.2348	0.00	0.0008242	3.110	0.098	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2011	0.000848	0.2327	0.00	0.000848	2.977	0.090	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2012	0.000817	0.2413	0.00	0.000817	2.844	0.088	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2013	0.000804	0.2404	0.00	0.000804	2.711	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2014	0.000804	0.2394	0.00	0.000804	2.578	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2015	0.000804	0.2384	0.00	0.000804	2.445	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2016	0.000804	0.2374	0.00	0.000804	2.312	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2017	0.000804	0.2364	0.00	0.000804	2.179	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2018	0.000804	0.2354	0.00	0.000804	2.046	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2019	0.000804	0.2344	0.00	0.000804	1.913	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2020	0.000804	0.2334	0.00	0.000804	1.780	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2021	0.000804	0.2324	0.00	0.000804	1.647	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2022	0.000804	0.2314	0.00	0.000804	1.514	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2023	0.000804	0.2304	0.00	0.000804	1.381	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2024	0.000804	0.2294	0.00	0.000804	1.248	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2025	0.000804	0.2284	0.00	0.000804	1.115	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2026	0.000804	0.2274	0.00	0.000804	0.982	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2027	0.000804	0.2264	0.00	0.000804	0.849	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2028	0.000804	0.2254	0.00	0.000804	0.716	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2029	0.000804	0.2244	0.00	0.000804	0.583	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
2030	0.000804	0.2234	0.00	0.000804	0.450	0.085	24,527	343,386	81,153	45,000	378,010	0	2,457	15,000,748	281,004
Sub Total	0.000811	0.0073	2,078	0.000811	75,000	2,078	45,000	4,872,589	1,081,870	45,000	7,960,200	1,081,870	7,457	298,000,943	7,215,934
PV	0.000814	0.0082	0.00	0.000814	0.0816	0.0027	0.00	172	340	0.00	0.00	0.00	0.00	0.00	0.00

Notes:  
 (1) Values reported in lower section are used to calculate PV for each end use element in a "bottom-up" approach, i.e., PV by DGE of units  
 (2) Since the DUCM for PSP was not defined in the PSP MAE study, the DUCM from the equivalent end-use from the Industrial CEE MAE study was used

Table E-2

(Revised 10/29/97)

Planned Costs and Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1995 Second Earnings Claim  
Program: Agricultural Energy Efficiency Incentives  
(in thousands of 1995 Dollars)

	End Use Totals				Number of Units			Avg Per Unit (\$ dollars)		
	LIGHTING	PUMPING	MISC.	Total	LIGHTING	PUMPING	MISC.	LIGHTING	PUMPING	MISC.
1 Measurement Costs	1.66	1.66	0	3.33	3,815,858	280,693	N/A	0.00000	0.00000	N/A
2 Administration	144 \$	437 \$	85 \$	668 \$	3,815,858	280,693	N/A	0.00004	0.0016	N/A
3 Program Incentives	618	1,903	387	2,907	3,815,858	280,693	N/A	0.00016	0.0068	N/A
4 Program Costs	761 \$	2,340 \$	472 \$	3,573 \$	3,815,858	280,693	N/A	0.00020	0.0083	N/A
5 Incremental Measure Costs, gross	441 \$	6,826 \$	1,080 \$	8,347 \$	3,815,858	280,693	N/A	0.00012	0.0243	N/A
6 Resource Benefits, gross	4,722 \$	14,708 \$	3,337 \$	22,767 \$	3,815,858	280,693	N/A	0.00124	0.0524	N/A
7 Net-to-Gross Ratio	0.77	0.77	0.76	0.77						
8 Incremental Measure Costs, net	339 \$	5,260 \$	821 \$	6,420 \$	3,815,858	280,693	N/A	0.00009	0.0187	N/A
9 Resource Benefits, net	3,636 \$	11,333 \$	2,537 \$	17,506 \$	3,815,858	280,693	N/A	0.00095	0.0404	N/A
<b>Second Earnings Claim</b>										
Measurement Costs				251						
Revised Net Resource Benefits	2,291	5,165	2,537	9,993	3,797,468	319,589	N/A	0.000603	0.016162	N/A
<b>Third Earnings Claim</b>										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>										
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3

(Revised 10/23/97)

Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: Agricultural Energy Efficiency Incentives  
 (1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	LIGHTING			PUMPING			MISC.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
1995	0.0007000	1.080000	0	0.01680	59.680	0.790	235	3,587,401	355,303
1996	0.0006720	1.017800	0	0.01613	57.307	0.764	235	3,587,401	355,303
1997	0.0006436	0.974531	0	0.01548	54.915	0.738	235	3,587,401	355,303
1998	0.0006156	0.932180	0	0.01478	52.930	0.718	189	3,432,887	193,473
1999	0.0005475	0.878877	0	0.01453	50.753	0.742	144	3,273,952	193,473
2000	0.0005380	0.814449	0	0.01399	37.575	0.738	144	3,144,115	120,122
2001	0.0005295	0.800077	0	0.01374	38.912	0.734	144	3,144,115	120,122
2002	0.0005190	0.785704	0	0.01349	38.248	0.730	144	3,144,115	120,122
2003	0.0005098	0.770935	0	0.01315	35.355	0.725	144	3,144,115	120,122
2004	0.0005001	0.758588	0	0.00875	15.819	0.721	144	3,144,115	120,122
2005	0.0004908	0.742704	0	0.00847	15.256	0.717	144	2,863,783	99,488
2006	0.0004811	0.727829	0	0.00831	14.481	0.713	144	2,841,887	99,488
2007	0.0004716	0.713474	0	0.00814	14.666	0.709	144	2,822,821	99,488
2008	0.0004621	0.699108	0	0.00798	14.371	0.704	144	1,873,002	99,488
2009	0.0004526	0.684743	0	0.00781	14.073	0.700	53	1,558,338	58,241
2010	0.0004431	0.670378	0	0.00750	13.106	0.696	30	1,520,002	58,241
2011	0.0000000	0.000000	0	0.00734	12.826	0.692	30	995,727	0
2012	0.0000000	0.000000	0	0.00718	12.545	0.688	30	995,727	0
2013	0.0000000	0.000000	0	0.00696	12.200	0.683	30	863,862	0
2014	0.0000000	0.000000	0	0.00680	11.920	0.679	30	337,997	0
2015	0.0000000	0.000000	0	0.00198	1.589	0.000	0	205,711	0
2016	0.0000000	0.000000	0	0.00192	1.485	0.000	0	205,711	0
2017	0.0000000	0.000000	0	0.00187	1.448	0.000	0	205,711	0
2018	0.0000000	0.000000	0	0.00192	1.412	0.000	0	205,711	0
2019	0.0000000	0.000000	0	0.00178	1.375	0.000	0	205,711	0
SUM (Electricity)	0.00070	17.87924	0	0.01480	536.23	4.474	235	50,883,295	2,498,807
PV	0.00000	0.00000	0	0.01514	0.024	0.00198	N/A	N/A	N/A

	LIGHTING			PUMPING			MISC.		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
# of Units	4,074,841	3,797,468	N/A	280,615	319,589	278,718	N/A	N/A	N/A
Resource Benefit (\$000 gross)	278	2,136	0	4,248	7,583	468	209	2,176	961
Net-to-Gross Ratio	0.95000	0.95000	N/A	0.47000	0.47000	0.42	0.74115	0.75078	0.78881
Resource Benefit (\$000 net)	262	2,079	0	1,784	3,185	197	149	1,634	755
Impact Study References	31, 32, 37, 43, 179			31, 32, 37, 43, 179			31, 32, 37, 43, 179		
Study used for Forecast	331			329			NR		
Required Persistence 1st Claim	N/A			N/A			NR		
Required Persistence 2nd Claim	N/A			N/A			NR		
Required Persistence 4th Claim	N/A			N/A			NR		

Notes:  
 (1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV=RBg/# of units

Table E-2

(No Changes From May 1, 1997 Filing)

## Planned Costs and Benefits for Shareholder Incentives Programs

## By End Use Element

Program Year: 1995 Second Earnings Claim

Program: Non-Residential New Construction

(in thousands of 1995 Dollars)

	End Use Totals		Number of Units		Average Per Unit (\$ dollars)	
		Total		Total		Total
1 Measurement Costs		0		497		0.0
2 Administration	\$	1,659		497		3.3
3 Program Incentives	\$	3,826		497		7.7
4 Program Costs	\$	5,484		497		11.0
5 Incremental Measure Costs, gross	\$	4,267		497		8.6
6 Resource Benefits, gross	\$	35,671		497		71.8
7 Net-to-Gross Ratio		0.88				
8 Incremental Measure Costs, net	\$	3,743		497		7.5
9 Resource Benefits, net	\$	31,405		497		63.2
<b>Second Earnings Claim</b>						
Measurement Costs		201				
Revised Net Resource Benefits		38,122		287		132.8
<b>Third Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A
<b>Fourth Earnings Claim</b>						
Measurement Costs		N/A		N/A		N/A
Revised Net Resource Benefits		N/A		N/A		N/A

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: Non-Residential New Construction  
 (1995 Dollars)

Year	NETING TOTAL		Therms
	NW	RWH	
1995	47	198,255	0.00
1996	45	186,437	0.00
1997	42	178,550	0.00
1998	40	168,802	0.00
1999	38	164,835	0.00
2000	38	160,668	0.00
2001	38	158,884	0.00
2002	37	154,717	0.00
2003	36	150,750	0.00
2004	35	146,763	0.00
2005	34	142,816	0.00
2006	33	138,849	0.00
2007	32	134,881	0.00
2008	31	132,899	0.00
2009	31	128,931	0.00
2010	25	101,770	0.00
2011	12	41,846	0.00
2012	7	17,852	0.00
2013	7	17,227	0.00
2014	6	16,823	0.00
2015	0	0	0.00
2016	0	0	0.00
2017	0	0	0.00
2018	0	0	0.00
2019	0	0	0.00
<b>Subtotal (Lifecycle)</b>	<b>47</b>	<b>2,543,821</b>	<b>0.00</b>
<b>PV</b>	<b>48</b>	<b>117</b>	<b>0.00</b>

	NETING TOTAL		Therms
	NW	RWH	
# of Units	309	297	N/A
Resource - net (2000, gross)	\$ 14,490	\$ 30,451	0.00
Net-to-Gross Ratio	0.72	0.83	N/A
Resource Benefit (2000, net)	\$ 10,491	\$ 27,831	0

Impact Study References:  
 Study used for Forecast  
 Required 1st IY Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

36.44  
 303  
 N/A  
 N/A

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**Pacific Gas and Electric Company**

**PY94 Second Earnings Claim  
E-Tables**

(No Change From May 1, 1997 Filing)

Table E-1 (Includes the second earnings claim from the 1996 and 1997 AEPs)  
 Earnings Claim Summary Table: Shared Savings Programs  
 Program Year: 1994 Second Earnings Claim

	SHARED SAVINGS PROGRAMS													Total Including M&E Costs			
	Renovate Energy Efficiency Incentive Programs			New Construction Programs			Portfolio			Total							
	RWRI	RAEI	CEEI	IEEI	AEEI	Total	Res*	Novres	Total	Rate	Novres	Total					
<b>FUHECAS</b>																	
Costs and Benefits For Earnings (000's \$)																	
1 Measurement Costs	715	7,356	9,660	4,697	2,296	\$ 24,794	0.00	0.00	\$ 24,794	8.141	\$ 16,653	\$ 24,794	\$ 24,794	\$ 24,794	\$ 24,794	\$ 24,794	
2 Administration	1,391	8,705	29,056	9,071	5,628	\$ 53,851	0.00	0.00	\$ 53,851	10.098	\$ 43,755	\$ 53,851	\$ 53,851	\$ 53,851	\$ 53,851	\$ 53,851	
3 Program Incentives							0.00	0.00		18.237	\$ 60,408	\$ 78,645	\$ 78,645	\$ 78,645	\$ 78,645	\$ 78,645	
4 Program Costs	2,176	\$ 18,001	\$ 38,718	\$ 13,788	7,924	\$ 78,645	0.00	0.00	\$ 78,645	23.553	\$ 98,253	\$ 121,786	\$ 121,786	\$ 121,786	\$ 121,786	\$ 121,786	
5 Incremental Measure Costs, net (MCR)	6,387	17,146	76,181	20,545	7,527	\$ 121,786	0.00	0.00	\$ 121,786	60.999	\$ 167,379	\$ 228,377	\$ 228,377	\$ 228,377	\$ 228,377	\$ 228,377	
6 Incremental Measure Costs, net (RBN)	16,058	44,940	107,844	31,924	20,811	\$ 228,377	0.00	0.00	\$ 228,377	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Target Earnings (000's \$)	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.10	36.567	\$ 90,661	\$ 129,227	\$ 129,227	\$ 129,227	\$ 129,227	\$ 129,227	
16 Target Earnings Rate (TER) (%)	11.732	\$ 26,835	\$ 55,830	\$ 21,687	\$ 13,145	\$ 129,227	0.00	0.00	\$ 129,227	5.710	\$ 8,722	\$ 12,432	\$ 12,432	\$ 12,432	\$ 12,432	\$ 12,432	
17 Performance Earnings Basis, at target (PEB)	1,179	\$ 2,582	\$ 5,371	\$ 2,096	\$ 1,265	\$ 12,432	0.00	0.00	\$ 12,432	1.72	1.35	1.44	1.44	1.44	1.44	1.44	
18 Target Earnings	1.93	1.66	1.27	1.42	1.86	2.51	0.00	0.00	2.51	2.78	2.42	2.51	2.51	2.51	2.51	2.51	
TRC BCR, with Earnings	4.86	2.41	2.45	2.46	2.24												
UC BCR, with Earnings																	
<b>RECORDED - FIRST EARNINGS CLAIM (1995 AEP)</b>																	
Costs and Benefits For Earnings (000's \$)																	
Recorded Measurement Costs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Recorded Administration	909	\$ 4,193	\$ 8,424	\$ 3,515	\$ 1,280	\$ 18,331	0.00	0.00	\$ 18,331	5.102	\$ 13,420	\$ 18,322	\$ 18,322	\$ 18,322	\$ 18,322	\$ 18,322	
Recorded Program Incentives	789	\$ 5,347	\$ 35,891	\$ 11,216	\$ 5,303	\$ 56,547	0.00	0.00	\$ 56,547	6.138	\$ 50,664	\$ 56,800	\$ 56,800	\$ 56,800	\$ 56,800	\$ 56,800	
Recorded Incremental Measure Costs, net	3,212	\$ 8,273	\$ 55,964	\$ 20,519	\$ 11,900	\$ 100,768	0.00	0.00	\$ 100,768	12.484	\$ 98,537	\$ 101,022	\$ 101,022	\$ 101,022	\$ 101,022	\$ 101,022	
Recorded Resource Benefits, net	6,840	\$ 22,931	\$ 179,009	\$ 82,850	\$ 29,374	\$ 319,823	0.00	0.00	\$ 319,823	20.791	\$ 292,451	\$ 322,241	\$ 322,241	\$ 322,241	\$ 322,241	\$ 322,241	
Recorded Performance Earnings Basis (PEB)	4,178	\$ 12,785	\$ 134,120	\$ 68,070	\$ 19,868	\$ 236,972	0.00	0.00	\$ 236,972	10.913	\$ 222,033	\$ 238,946	\$ 238,946	\$ 238,946	\$ 238,946	\$ 238,946	
Recorded PE/PEB (%) (Minimum 75%)	35%	48%	240%	305%	151%	183%	N/A	0.00	183%	44%	245%	185%	185%	185%	185%	185%	
Comparing Earnings Cure Lookup Value	(8167)	30	\$9,459	\$4,660	\$1,401	\$15,333	0.00	0.00	\$15,333	(8167)	\$16,112	\$15,945	\$15,945	\$15,945	\$15,945	\$15,945	
Recorded Earnings	1.73	1.70	2.42	2.88	1.96	2.38	0.00	0.00	2.33	1.71	2.48	2.38	2.38	2.38	2.38	2.38	
TRC BCR, with Earnings	4.47	2.41	3.46	4.26	3.55	3.54	0.00	0.00	3.54	2.69	3.65	3.53	3.53	3.53	3.53	3.53	
UC BCR, with Earnings	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
Earnings Distribution Share (1st Claim)	(547)	50	\$2,365	\$1,165	\$350	\$3,878	0.00	0.00	\$3,878	(547)	\$4,028	\$3,988	\$3,988	\$3,988	\$3,988	\$3,988	
Earnings Claim for Recovery (1st Claim)																	
Second Earnings Claim																	
Recorded Measurement Costs	18	\$ 65	\$ 1,543	\$ 445	\$ 272	\$ 2,342	0.00	0.00	\$ 2,342	82	\$ 2,273	\$ 2,358	\$ 2,358	\$ 2,358	\$ 2,358	\$ 2,358	
Recorded Resource Benefits, net	1,645	\$ 15,427	\$ 208,709	\$ 91,454	\$ 19,207	\$ 336,441	0.00	0.00	\$ 336,441	17,071	\$ 322,064	\$ 339,136	\$ 339,136	\$ 339,136	\$ 339,136	\$ 339,136	
Recorded PEB	(1,088)	\$ 5,261	\$ 163,820	\$ 74,875	\$ 10,701	\$ 253,590	0.00	0.00	\$ 253,590	4,193	\$ 251,708	\$ 255,902	\$ 255,902	\$ 255,902	\$ 255,902	\$ 255,902	
Recorded Earnings	(187)	0	\$10,000	\$4,911	\$688	\$15,432	0.00	0.00	\$15,432	(187)	\$16,290	\$ 16,122	\$ 16,122	\$ 16,122	\$ 16,122	\$ 16,122	
Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	
Recorded Earnings (for 2nd Claim)	(584)	30	\$5,000	\$2,456	\$344	\$7,716	0.00	0.00	\$7,716	(584)	\$8,148	\$8,063	\$8,063	\$8,063	\$8,063	\$8,063	
Earnings Recovered from 1st Claim	(547)	50	\$2,365	\$1,165	\$350	\$3,878	0.00	0.00	\$3,878	(547)	\$4,028	\$3,988	\$3,988	\$3,988	\$3,988	\$3,988	
Recorded Incremental Earnings	(547)	50	\$2,365	\$1,165	(56)	\$3,878	0.00	0.00	\$3,878	(547)	\$4,118	\$4,072	\$4,072	\$4,072	\$4,072	\$4,072	
Third Earnings Claim																	
Recorded Measurement Costs																	
Recorded Resource Benefits, net																	
Recorded PEB																	
Recorded Earnings																	
Earnings Distribution Share (3rd Claim)																	
Recorded Earnings (for 3rd Claim)																	
Earnings Recovered from 1st and 2nd Claim																	
Recorded Incremental Earnings																	
Fourth Earnings Claim																	
Recorded Measurement Costs																	
Recorded Resource Benefits, net																	
Recorded PEB																	
Recorded Earnings																	
Earnings Distribution Share (4th Claim)																	
Recorded Earnings (for 4th Claim)																	
Earnings Recovered from 1st, 2nd, and 3rd Claim																	
Recorded Incremental Earnings																	
Total Earnings																	

In 1994, the Residential New Construction Program is part of the Performance Adder Program. The earnings claim for RWRI and RAEI does not change from the first earnings claim based on Decision 96-12-079, pg 21 & 26.

(No Change From May 1, 1997 Filing)

Table E-1 (Includes the second earnings claim from the 1996 and 1997 ACPs)  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1994 Second Earnings Claim

Performance Adder Programs	Performance Adder Programs										TOTAL PYSB	
	New Construction Programs		Energy Management Services Programs		Current Programs		Subtotal		TOTAL			
	Sub Run	Total	REB	CEWS	ETM	ATM	Total	Subtotal	Total	Total		
Percent Costs and Benefits For Earnings (000's \$)												
2 Administration	\$4,330	\$10,000	\$14,070	\$4,740	\$7,890	\$11,070	\$75,000	\$4,100	\$2,700	\$4,770	\$75,000	\$79,770
3 Program Incentives	\$14,000	\$10,700	\$75,940	\$0	\$0	\$0	\$0	\$14,000	\$0	\$14,000	\$20,340	\$34,340
4 Program Costs	\$18,130	\$20,870	\$40,000	\$4,550	\$2,950	\$12,020	\$75,000	\$20,020	\$0	\$20,020	\$95,020	\$115,040
6 Incremental Income Costs, net (MCh)	\$17,200	\$18,010	\$75,710	\$4,340	\$400	\$3,000	\$12,700	\$12,700	\$5,400	\$18,100	\$68,600	\$86,700
8 Resource Benefits, net (RBr)	\$17,200	\$19,110	\$80,000	\$9,750	\$750	\$800	\$77,750	\$18,000	\$4,770	\$22,770	\$101,320	\$124,090
10 Target Earnings (000's \$)	12	12	17	5	5	5	5	5	0	5	5	5
11 Target Earnings Rate (TR) (%)	310.128	320.879	340.000	316.550	327.840	311.020	325.000	320.020	316.000	320.000	316.000	321.707
14 Target Earnings	0.91	2.94	3.95	0.98	0.98	0.97	0.97	0.98	0.97	0.98	0.97	1.21
15 Target Earnings	0.91	2.94	3.27	0.95	0.97	0.94	1.00	0.97	0.97	0.94	0.97	1.48
Free Earnings Claim (1997 ACP)												
Received Incentive Costs	\$3,319	\$4,595	\$9,110	\$5,870	\$1,831	\$1,205	\$17,002	\$5,000	\$2,770	\$7,770	\$24,770	\$29,540
Received Administration	\$15,001	\$4,000	\$1,005	\$1,010	\$0	\$0	\$1,075	\$13,522	\$5,290	\$18,812	\$41,825	\$50,635
Received Program Incentives	\$7,971	\$8,000	\$16,070	\$4,340	\$79	\$3,989	\$12,568	\$12,721	\$4,881	\$17,602	\$44,058	\$61,660
Received Incremental Income Costs, net	\$15,000	\$8,000	\$16,377	\$4,000	\$192	\$2,527	\$24,822	\$16,522	\$4,133	\$20,655	\$119,066	\$442,105
Received REB	\$19,376	\$19,000	\$38,000	\$5,000	\$1,931	\$1,200	\$17,002	\$16,226	\$0	\$16,226	\$87,181	\$248,176
Received REB/Earnings (Minimum 75%)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(4)	(4)	(4)	(4)	(4)
Received Earnings	1.32	0.81	0.88	0.84	0.88	0.83	0.87	0.87	0.87	0.87	0.87	0.87
TRC BCR, with Earnings	0.78	0.77	2.34	2.10	0.68	2.01	1.24	0.93	0.93	0.93	0.93	1.51
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	30	30	30	30	30	30	30	30	30	30	30	30
Second Earnings Claim												
Received Incentive Costs	\$15,001	\$8,100	\$16,700	\$5,310	\$1,871	\$1,271	\$17,072	\$5,077	\$2,771	\$7,848	\$24,919	\$29,767
Received Administration	\$19,216	\$10,000	\$20,000	\$5,000	\$1,001	\$1,001	\$1,001	\$13,000	\$5,000	\$18,000	\$41,000	\$49,000
Received REB/Earnings (Minimum 75%)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(4)	(4)	(4)	(4)	(4)
Received Earnings	1.11	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Earnings Distribution Share (2nd Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (2nd Claim)	30	30	30	30	30	30	30	30	30	30	30	30
Third Earnings Claim												
Received Incentive Costs, net	\$15,001	\$8,100	\$16,700	\$5,310	\$1,871	\$1,271	\$17,072	\$5,077	\$2,771	\$7,848	\$24,919	\$29,767
Received REB	\$19,216	\$10,000	\$20,000	\$5,000	\$1,001	\$1,001	\$1,001	\$13,000	\$5,000	\$18,000	\$41,000	\$49,000
Received Earnings	1.11	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Earnings Distribution Share (3rd Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (3rd Claim)	30	30	30	30	30	30	30	30	30	30	30	30
Fourth Earnings Claim												
Received Incentive Costs, net	\$15,001	\$8,100	\$16,700	\$5,310	\$1,871	\$1,271	\$17,072	\$5,077	\$2,771	\$7,848	\$24,919	\$29,767
Received REB	\$19,216	\$10,000	\$20,000	\$5,000	\$1,001	\$1,001	\$1,001	\$13,000	\$5,000	\$18,000	\$41,000	\$49,000
Received Earnings	1.11	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Earnings Distribution Share (4th Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (4th Claim)	30	30	30	30	30	30	30	30	30	30	30	30
Total Earnings												

1) The program does not have a minimum performance standard. It is eligible for shareholder earnings if the program is cost-effective from the TRC perspective.  
 2) Minimum performance standard based on 80% of with forecasted per 1993 GAC claim. The TRC program has received the minimum performance standard.  
 3) Minimum performance standard based on 75% of with forecasted per 1993 GAC claim. The program has received the minimum performance standard.  
 4) Minimum performance standard based on 70% of with forecasted per 1993 GAC claim. The program has received the minimum performance standard.  
 5) The Residential New Construction Program did not pass the test for TRC and UG and therefore is not eligible for shareholder earnings.



Table E-3 (Includes the second earnings claim from the 1997 AEAP only)  
 Earnings Claims Summary Table, Shared Savings Programs  
 Program Year: 1998 Second Earnings Claim

(No Change from May 1, 1997 E&G)

FORECAST	SHARED SAVINGS PROGRAMS												Total Including MLE Costs		
	Petro/EA Energy Efficiency Incentive Programs						New Construction Programs			Portfolio					
	RAMI	RAEI	CEEI	IEEI	AEI	Total	Res*	Nonres	Total	Res	Nonres	Total			
Costs and Benefits for Earnings (000's \$)															
1 Measurement Costs															
2 Administration	785	2,356				\$ 3,141	0.00	0.00	0.00	\$ 0.141			\$ 0.141		\$ 0.141
3 Program Incentives	1,391	8,795				\$ 10,096	0.00	0.00	0.00	\$ 10,096			\$ 10,096		\$ 10,096
4 Program Costs	\$ 2,176	\$ 11,151				\$ 13,327	0.00	0.00	0.00	\$ 13,327			\$ 13,327		\$ 13,327
5 Incremental Measure Costs, net (IMCn)	0.347	17,146				\$ 23,533	0.00	0.00	0.00	\$ 23,533			\$ 23,533		\$ 23,533
6 Resource Benefits, net (RBo)	16,650	44,940				\$ 61,590	0.00	0.00	0.00	\$ 61,590			\$ 61,590		\$ 61,590
Target Earnings (000's \$)															
16 Target Earnings Rate (TER) (%)	0.10	0.10				0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10
17 Performance Earnings Basis, at target (PEB)	\$ 11,732	\$ 24,835				\$ 36,567	0.00	0.00	0.00	\$ 36,567			\$ 36,567		\$ 36,567
18 Target Earnings	\$ 1,124	\$ 2,582				\$ 3,710	0.00	0.00	0.00	\$ 3,710			\$ 3,710		\$ 3,710
TRC BCR, with Earnings	1.93	1.96				1.72	0.00	0.00	0.00	1.72			1.72		1.72
UC BCR, with Earnings	0.86	2.61				2.78	0.00	0.00	0.00	2.78			2.78		2.78
RECORDED - FIRST EARNINGS CLAIM (1995 AEAP)															
Costs and Benefits for Earnings (000's \$)															
Recorded Measurement Costs	NA	NA				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recorded Administration	\$ 900	\$ 4,193				\$ 5,102	0.00	\$ 181	\$ 181	\$ 5,102	\$ 181	\$ 5,283	\$ 5,283	\$ 5,283	\$ 5,283
Recorded Program Incentives	\$ 788	\$ 3,347				\$ 4,136	0.00	\$ 253	\$ 253	\$ 4,136	\$ 253	\$ 4,389	\$ 4,389	\$ 4,389	\$ 4,389
Recorded Incremental Measure Costs, net	\$ 2,212	\$ 9,273				\$ 11,485	0.00	\$ 254	\$ 254	\$ 11,485	\$ 254	\$ 11,739	\$ 11,739	\$ 11,739	\$ 11,739
Recorded Resource Benefits, net	\$ 8,840	\$ 22,851				\$ 29,791	0.00	\$ 2,418	\$ 2,418	\$ 29,791	\$ 2,418	\$ 32,209	\$ 32,209	\$ 32,209	\$ 32,209
Recorded Performance Earnings Basis (PEB)	\$ 4,128	\$ 12,785				\$ 16,913	0.00	\$ 1,974	\$ 1,974	\$ 16,913	\$ 1,974	\$ 18,887	\$ 18,887	\$ 18,887	\$ 18,887
Recorded PEB/TER (%) (Minimum 75%)	35%	48%				44%	NA	NA	NA	44%	NA	NA	NA	NA	NA
Corresponding Earnings (with Laidup VAs)															
Recorded Earnings	(\$167)	\$0				(\$167)	0.00	\$592	\$592	(\$167)	\$592	\$425	\$425	\$425	\$425
TRC BCR, with Earnings	1.73	1.70				1.71	0.00	2.33	2.33	1.71	2.33	1.75	1.75	1.75	1.75
UC BCR, with Earnings	4.47	2.61				2.89	0.00	2.34	2.34	2.69	2.33	2.64	2.64	2.64	2.64
Earnings Distribution Share (1st Claim)	25%	25%				25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	(\$42)	\$0				(\$42)	0.00	\$148	\$148	(\$42)	\$148	\$106	\$106	\$106	\$106
Second Earnings Claim															
Recorded Measurement Costs	\$ 18	\$ 65				\$ 82	0.00	\$ 14	\$ 14	\$ 82	\$ 14	\$ 96	\$ 96	\$ 96	\$ 96
Revised Resource Benefits, net	\$ 1845	\$ 15,427				\$ 17,071	0.00	\$ 2,894	\$ 2,894	\$ 17,071	\$ 2,894	\$ 19,765	\$ 19,765	\$ 19,765	\$ 19,765
Recorded PEB	\$ (1,028)	\$ 3,261				\$ 4,193	0.00	\$ 2,313	\$ 2,313	\$ 4,193	\$ 2,313	\$ 6,506	\$ 6,506	\$ 6,506	\$ 6,506
Revised Earnings	(\$167)	\$0				(\$167)	0.00	\$594	\$594	(\$167)	\$594	\$427	\$427	\$427	\$427
Earnings Distribution Share (2nd Claim)	50%	50%				50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings (for 2nd Claim)	(\$84)	\$0				(\$84)	0.00	\$347	\$347	(\$84)	\$347	\$263	\$263	\$263	\$263
Earnings Recovered from 1st Claim	(\$42)	\$0				(\$42)	0.00	\$148	\$148	(\$42)	\$148	\$106	\$106	\$106	\$106
Recorded Incremental Earnings	(\$42)	\$0				(\$42)	0.00	\$198	\$198	(\$42)	\$198	\$157	\$157	\$157	\$157
Third Earnings Claim															
Recorded Measurement Costs															
Revised Resource Benefits, net															
Recorded PEB															
Revised Earnings															
Earnings Distribution Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings (for 3rd Claim)															
Earnings Recovered from 1st and 2nd Claims															
Recorded Incremental Earnings															
Fourth Earnings Claim															
Recorded Measurement Costs															
Revised Resource Benefits, net															
Recorded PEB															
Revised Earnings															
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings (for 4th Claim)															
Earnings Recovered from 1st, 2nd, and 3rd Claims															
Recorded Incremental Earnings															
Total Earnings															

\* In 1994, the Residential New Construction Program is part of the Performance ASSET Program.  
 \*\* The earnings claim for RAMI and RAEI does not change from the first earnings claim based on Decis on 95-12-079 pg 25 B 26

Table E-1 (Includes the second earnings claim from the 1957 JEAP only)  
 Earnings Claim Summary Table - Performance Rider Programs  
 Program Year: 1956 Second Earnings Claims

Plus Change From May 1, 1957 F&G

	PERFORMANCE RIDER PROGRAMS											TOTAL \$336	
	New Construction Programs			Other Management Services Programs				Special Assistance Programs					
	Red	Non-Red	Total	NEOS	LEOS	EOS	MEOS	Total	Red-Run	Word	Total		
<b>Program Costs and Benefits For Earnings Riders B</b>													
a. Administration	\$4,125	\$0,000	\$4,125									\$4,125	\$27,360
b. Program Incidence	\$1,000	\$0,700	\$1,700									\$2,700	\$18,000
c. Program Costs	\$1,125	\$0,475	\$1,600									\$2,600	\$16,770
d. Unincurred Monetary Credits not included	\$17,200	\$4,000	\$21,200									\$21,200	\$138,720
e. Reserve Benefits not paid	\$11,000	\$3,100	\$14,100									\$14,100	\$89,880
<b>Target Earnings Riders B</b>													
a. Target Earnings Rate (TAC) (1%)	12	12	24									24	156
b. Performance Earnings Benefit at target (1%)	\$1,125	\$8,175	\$9,300									\$9,300	\$59,400
c. Target Earnings	0	\$1,500	\$1,500									\$1,500	\$9,540
TAC B.C. with Earnings	12	12	24									24	156
NEOS B.C. with Earnings	12	12	24									24	156
<b>First Earnings Claim (1956 AEAS)</b>													
Paid Unincurred Monetary Credits													
Paid Unincurred Monetary Credits	\$1,500	\$4,500	\$6,000									\$6,000	\$38,400
Paid Program Incidence	\$1,000	\$700	\$1,700									\$2,700	\$16,800
Paid Unincurred Monetary Credits not	\$7,000	\$1,500	\$8,500									\$8,500	\$52,800
Paid Reserve Benefits not	\$1,000	\$2,000	\$3,000									\$3,000	\$18,720
Paid PEB	\$4,125	\$0,000	\$4,125									\$4,125	\$26,160
Paid PEB (1/2) (minimum 1/2)	0	0	0									0	0
Paid Earnings	0	\$1,500	\$1,500									\$1,500	\$9,540
TAC B.C. with Earnings	12	12	24									24	156
NEOS B.C. with Earnings	12	12	24									24	156
Earnings Distribution Share (1st Claim)	25%	25%	25%									25%	156
Earnings Claim to Borrowing (1st Claim)	0	\$420	\$420									\$420	\$2,640
<b>Second Earnings Claim</b>													
Paid Unincurred Monetary Credits	0	0	0									0	0
Paid Reserve Benefits not	\$1,000	\$2,000	\$3,000									\$3,000	\$18,720
Paid PEB (1/2)	\$1,125	\$0,000	\$1,125									\$1,125	\$7,140
Paid Earnings	0	\$1,500	\$1,500									\$1,500	\$9,540
Earnings Distribution Share (2nd Claim)	0%	0%	0%									0%	0
Paid Earnings for 2nd Claim	0	\$1,500	\$1,500									\$1,500	\$9,540
Earnings Paid from 1st and 2nd Claims	0	\$420	\$420									\$420	\$2,640
Paid Unincurred Earnings	0	\$420	\$420									\$420	\$2,640
<b>Third Earnings Claim</b>													
Paid Reserve Benefits not													
Paid PEB													
Paid Earnings													
Earnings Distribution Share (3rd Claim)													
Paid Earnings for 3rd Claim													
Earnings Paid from 1st and 2nd Claims													
Paid Unincurred Earnings													
<b>Fourth Earnings Claim</b>													
Paid Reserve Benefits not													
Paid PEB													
Paid Earnings													
Earnings Distribution Share (4th Claim)													
Paid Earnings for 4th Claim													
Earnings Paid from 1st, 2nd and 3rd Claims													
Paid Unincurred Earnings													
<b>and Earnings</b>													

15 The program does not have a minimum profit - over standard. It is eligible for the dollar savings of the program and will also have the TAC program.  
 16 The Reduced New Construction Program did not pass the Red and TAC and JE, and therefore it is not eligible for the dollar savings.  
 17 For the NEOS Programs of all 9th Editions to 8 Tables page 20. For Performance Rider Program, Paid Unincurred Monetary Credits are not included in the PEB at 100%.

Table E-2

(No Change From May 1, 1997 Filing)

**Planned Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1994 Second Earnings Claim**  
**Program: Res Weatherization Retrofit Incentives**  
**(In thousands of 1994 Dollars)**

	End Use Totals				Number of Units			Avg. Per Unit (\$ dollars)		
	E/G Spc	Htg/Cool	Misc	Total	E/G Spc	Htg/Cool	Misc	E/G Spc	Htg/Cool	Misc
1 Measurement Costs	\$ 21	\$ 21		\$ 42	39,557	8,488	20,607	\$ 0.0005	\$ 0.0025	N/A
2 Administration	\$ 408	\$ 486	\$ 15	\$ 909	39,557	8,488	20,607	\$ 0.0103	\$ 0.0573	\$ 0.0007
3 Program Incentives	\$ 332	\$ 389	\$ 68	\$ 789	39,557	8,488	20,607	\$ 0.0034	\$ 0.0458	\$ 0.0033
4 Program Costs	\$ 740	\$ 875	\$ 83	\$ 1,698	39,557	8,488	20,607	\$ 0.0187	\$ 0.1031	\$ 0.0040
5 Incremental Measure Costs, gross	\$ 1,588	\$ 1,828	\$ 136	\$ 3,552	39,557	8,488	20,607	\$ 0.0401	\$ 0.2153	\$ 0.0066
6 Resource Benefits, gross	\$ 1,536	\$ 4,824	\$ 1,620	\$ 7,981	39,557	8,488	20,607	\$ 0.0388	\$ 0.5683	\$ 0.0786
7 Net-to-Gross Ratio	0.93	0.90	0.66	0.86	39,557	8,488	20,607			
8 Incremental Measure Costs, net	\$ 1,477	\$ 1,645	\$ 90	\$ 3,212	39,557	8,488	20,607	\$ 0.0373	\$ 0.1938	\$ 0.0044
9 Resource Benefits, net	\$ 1,429	\$ 4,342	\$ 1,069	\$ 6,840	39,557	8,488	20,607	\$ 0.0361	\$ 0.5115	\$ 0.0519
<b>Second Earnings Claim</b>										
Measurement Costs				18						
Revised Net Resource Benefits	272	1,372	0	1,645	10,657	3,351	0	0.0255	0.4096	0.0000
<b>Third Earnings Claim</b>										
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>										
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes:**

General. Costs and impacts shown on this table do not include programs and impacts that are not eligible for shareholder earnings.

Htg/Cool includes homes with electric heating/cooling and homes with heat pumps.

Table E-3

(No Change From May 1, 1997 Filing)

## Components of Resource Benefit Values

Program Year: 1994 SECOND EARNINGS CLAIM

Program: Res Weatherization Retrofit Incentives

(1994 Dollars)

## Forecast: Average Load Impacts Per Unit (Gross)

Year	EU1 - E/G Spc Htg			EU2 - E Htg/Cool			EU3 - Misc		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
1994	0.00	32.70	39.40	0.22	140.80	35.30	0.00	0.00	0.00
1995	0.00	32.70	10.21	0.21	119.80	35.30	0.00	0.00	0.00
1996	0.00	32.70	10.21	0.21	119.80	35.30	0.00	0.00	0.00
1997	0.00	32.70	10.21	0.21	119.80	35.30	0.00	0.00	0.00
1998	0.00	32.70	10.21	0.21	119.80	35.30	0.00	0.00	0.00
1999	0.00	32.05	10.01	0.20	117.40	34.59	0.00	0.00	0.00
2000	0.00	31.07	9.70	0.20	113.81	33.54	0.00	0.00	0.00
2001	0.00	30.41	9.50	0.19	111.41	32.83	0.00	0.00	0.00
2002	0.00	29.43	9.19	0.19	107.82	31.77	0.00	0.00	0.00
2003	0.00	28.78	8.99	0.18	105.42	31.08	0.00	0.00	0.00
2004	0.00	28.12	8.78	0.18	103.03	30.38	0.00	0.00	0.00
2005	0.00	27.47	8.58	0.17	100.63	29.65	0.00	0.00	0.00
2006	0.00	26.81	8.37	0.17	98.24	28.95	0.00	0.00	0.00
2007	0.00	26.16	8.17	0.17	95.84	28.24	0.00	0.00	0.00
2008	0.00	25.51	7.97	0.16	93.44	27.53	0.00	0.00	0.00
2009	0.00	24.85	7.76	0.16	91.05	26.83	0.00	0.00	0.00
2010	0.00	24.20	7.56	0.15	88.65	26.12	0.00	0.00	0.00
2011	0.00	23.54	7.35	0.15	86.26	25.42	0.00	0.00	0.00
2012	0.00	22.89	7.15	0.15	83.86	24.71	0.00	0.00	0.00
2013	0.00	22.24	6.94	0.14	81.48	24.00	0.00	0.00	0.00
2014	0.00	21.59	6.74	0.14	79.07	23.29	0.00	0.00	0.00
2015	0.00	21.26	6.64	0.13	77.87	22.95	0.00	0.00	0.00
2016	0.00	20.60	6.43	0.13	75.47	22.24	0.00	0.00	0.00
2017	0.00	20.27	6.33	0.13	74.28	21.89	0.00	0.00	0.00
2018	0.00	19.82	6.13	0.12	71.88	21.18	0.00	0.00	0.00
SUM (#Recycle)	0.000	670.66	238.67	0.22	2,478.08	724.00	0.00	0.00	0.00
PV = RBg (\$000) / # of units	N/A	\$ 0.03	\$ 0.11	\$ 0.23	\$ 0.10	\$ 0.32	N/A	N/A	N/A

	EU1 - E/G Spc Htg			EU2 - E Htg/Cool			EU3 - Misc		
	kW	kWh	Therms	kW	kWh	Therms	kW	kWh	Therms
# of Units	0	9,399	10,657	9,585	10,580	3,351	0	0	0
Resource Benefit (\$000, gross)	30	264	1,135	2,219	1,053	1,069	0	0	0
Net to Gross Ratio	1.00	0.19	0.17	0.22	0.20	0.63	0.00	0.00	0.00
Resource Benefit (\$000, net)	30	51	192	458	211	673	0	0	0
Impact Study References									
Study used for Forecast		12			12			12	
Required 1st LTY Study, 2nd Claim		332			332			332	
Required Persistence, 3rd Claim		N/A			N/A			N/A	
Required Persistence, 4th Claim		N/A			N/A			N/A	

## Notes

- (1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV=RBg/# of  
(2) Costs and impacts shown on this table do not include programs and impacts that are not eligible for shareholder earnings

Table E-2

(No Change From May 1, 1997 Filing)

Planned Costs and Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1994 Second Earnings Claim  
Program: Res Appliance Efficiency Incentives  
(in thousands of 1994 Dollars)

	End Use Totals					Number of Units				Average Per Unit (\$ dollars)			
	Lighting	Refrig	Htg/Cooling	Misc.	Total	Lighting	Refrig	Htg/Cooling	Misc.	Lighting	Refrig	Htg/Cooling	Misc.
1 Measurement Costs	\$ 188	\$ 49	\$ -	\$ 318	\$ 555	93,841	69,509	5,312	12,752	\$ 0.002	\$ 0.001	N/A	\$ 0.025
2 Administration	\$ 1,525	\$ 1,982	\$ 643	\$ 43	\$ 4,193	93,841	69,509	5,312	12,752	\$ 0.016	\$ 0.029	\$ 0.121	\$ 0.003
3 Program Incentives	\$ 1,490	\$ 2,751	\$ 1,092	\$ 15	\$ 5,347	93,841	69,509	5,312	12,752	\$ 0.016	\$ 0.040	\$ 0.205	\$ 0.001
4 Program Costs	\$ 3,015	\$ 4,733	\$ 1,734	\$ 57	\$ 9,540	93,841	69,509	5,312	12,752	\$ 0.032	\$ 0.068	\$ 0.326	\$ 0.005
5 Incremental Measure Costs, gross	\$ 3,350	\$ 5,138	\$ 1,187	\$ 55	\$ 9,731	93,841	69,509	5,312	12,752	\$ 0.036	\$ 0.074	\$ 0.224	\$ 0.004
6 Resource Benefits, gross	\$ 10,184	\$ 10,789	\$ 2,669	\$ 460	\$ 24,101	93,841	69,509	5,312	12,752	\$ 0.109	\$ 0.155	\$ 0.502	\$ 0.036
7 Net-to-Gross Ratio	0.94	0.95	1.00	1.00	0.95	93,841	69,509	5,312	12,752				
8 Incremental Measure Costs, net	\$ 3,149	\$ 4,882	\$ 1,187	\$ 55	\$ 9,273	93,841	69,509	5,312	12,752	\$ 0.034	\$ 0.070	\$ 0.224	\$ 0.004
9 Resource Benefits, net	\$ 9,573	\$ 10,250	\$ 2,669	\$ 460	\$ 22,951	93,841	69,509	5,312	12,752	\$ 0.102	\$ 0.147	\$ 0.502	\$ 0.036
Second Earnings Claim Measurement Costs					65								
Revised Net Resource Benefits	\$ 5,705	\$ 7,199	\$ 2,285	\$ 238	\$ 15,427	79,560	58,193	5,046	12,194	\$ 0.072	\$ 0.124	\$ 0.453	\$ 0.020
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## Notes:

General. Costs and impacts shown on this table do not include programs and impacts that are not eligible for shareholder earnings.

Lighting includes both single and multi family lighting end uses.

Htg/Cooling includes Heat Pump Appliance Doctor and Air Conditioner Rebate Programs.

Misc. includes misc. measures from the MUD Rebate program.

Table E-3

Components of Resource Benefit Values  
 Program Year: 1994 SECOND EARNINGS CLAIM  
 Program: Res Appliance Efficiency Incentives  
 (1994 Dollars)

(No Change From May 1, 1997 Filing)

Forecast: Average Load Impacts Per Unit (Gross)

Year	EU1 - Lighting			EU2 - Refrig			EU3 - Htg/Cooling			Misc - Other (MF)		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
1994	0.0223	218	0.00	0.0220	143	0.00	0.281	279	4.89	0.000200	2.00	2.17
1995	0.0223	218	0.00	0.0220	143	0.00	0.281	279	4.89	0.000200	2.00	2.17
1996	0.0223	218	0.00	0.0220	143	0.00	0.281	279	4.89	0.000200	2.00	2.17
1997	0.0223	218	0.00	0.0220	143	0.00	0.281	279	4.89	0.000200	2.00	2.17
1998	0.0222	217	0.00	0.0220	143	0.00	0.281	279	4.89	0.000200	2.00	2.17
1999	0.0217	212	0.00	0.0218	140	0.00	0.275	273	4.79	0.000196	1.96	2.03
2000	0.0211	206	0.00	0.0209	136	0.00	0.267	265	4.67	0.000190	1.90	1.98
2001	0.0206	202	0.00	0.0205	133	0.00	0.261	259	4.54	0.000186	1.86	1.93
2002	0.0192	182	0.00	0.0196	129	0.00	0.253	251	4.43	0.000180	1.80	1.87
2003	0.0188	178	0.00	0.0194	126	0.00	0.247	245	4.30	0.000176	1.76	1.83
2004	0.0065	62	0.00	0.0189	123	0.00	0.241	240	4.27	0.000172	1.72	1.79
2005	0.0064	60	0.00	0.0185	120	0.00	0.236	234	4.11	0.000168	1.68	1.75
2006	0.0062	59	0.00	0.0180	117	0.00	0.230	228	4.01	0.000164	1.64	1.71
2007	0.0061	57	0.00	0.0178	114	0.00	0.197	205	0.00	0.000160	1.60	1.67
2008	0.0059	56	0.00	0.0172	112	0.00	0.192	200	0.00	0.000156	1.56	1.63
2009	0.0040	54	0.00	0.0167	109	0.00	0.187	194	0.00	0.000043	0.52	0.00
2010	0.0000	0	0.00	0.0163	106	0.00	0.183	199	0.00	0.000042	0.51	0.00
2011	0.0000	0	0.00	0.0158	103	0.00	0.179	184	0.00	0.000000	0.00	0.00
2012	0.0000	0	0.00	0.0154	100	0.00	0.000	0	0.00	0.000000	0.00	0.00
2013	0.0000	0	0.00	0.0150	97	0.00	0.000	0	0.00	0.000000	0.00	0.00
2014	0.0000	0	0.00	0.0000	0	0.00	0.000	0	0.00	0.000000	0.00	0.00
2015	0.0000	0	0.00	0.0000	0	0.00	0.000	0	0.00	0.000000	0.00	0.00
2016	0.0000	0	0.00	0.0000	0	0.00	0.000	0	0.00	0.000000	0.00	0.00
2017	0.0000	0	0.00	0.0000	0	0.00	0.000	0	0.00	0.000000	0.00	0.00
2018	0.0000	0	0.00	0.0000	0	0.00	0.000	0	0.00	0.000000	0.00	0.00
PV (Recycle)	0.0223	2.40	0.00	0.0220	2.40	0.00	0.281	0.358	59.43	0.000200	28.51	58.5
PV (RB) (\$000) / # of units	0	0	N/A	0	0	N/A	0.322	0.176	0.020	0.000222	0.001	0.026

	EU1 - Lighting			EU2 - Refrig			EU3 - Htg/Cooling			Misc - Other (MF)		
	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms	kWh	kWh	Therms
# of Units	80,001	79,580	N/A	205,744	58,193	N/A	5,048	5,837	504	14,580	14,326	12,134
Resource Benefit (\$'000, gross)	1,875	7,897	0	0.524	5,726	0	1,824	899	14	0.24	0.17	0.51
Net to Gross Ratio	0.44	0.63	N/A	0.29	0.83	N/A	0.87	0.89	0.55	1	2	23
Resource Benefit (\$'000, net)	737	4,967	0	1,367	5,892	0	1,410	796	79	0.00	0.00	0.00
Impact Study References												
Study used for Forecast	14, 15, 39, 303, 307, 308			N/A			8			15		
Required 1st IIT Study, 2nd Claim	394			384			384			384		
Required Persistence, 3rd Claim	N/A			N/A			N/A			N/A		
Required Persistence, 4th Claim	N/A			N/A			N/A			N/A		

Notes  
 (1) Values reported in lower section are used to calculate PV for each end use element in a bottom up approach, i.e. PV = RBg/# of units  
 (2) Costs and impacts shown on this table do not include programs that are not eligible for the checkler earnings

(No Change From May 1, 1997 Filing)

**Table E-2**  
**Planned Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1994 Second Earnings Claim**  
**Program: Non-Residential New Construction**  
**(In thousands of 1994 Dollars)**

		End Use Totals	Number of Units	Average Per Unit (\$ dollars)
		Total	TOTAL	TOTALS
1	Measurement Costs	\$ 294	51	5.76
2	Administration	\$ 190	51	3.73
3	Program Incentives	\$ 253	51	4.96
4	Program Costs	\$ 443	51	8.69
5	Incremental Measure Costs, gross	\$ 309	51	6.05
6	Resource Benefits, gross	\$ 2,928	51	57.41
7	Net-to-Gross Ratio	0.83		
8	Incremental Measure Costs, net	\$ 255	51	5.00
9	Resource Benefits, net	\$ 2,418	51	47.42
Second Earnings Claim				
	Measurement Costs	14		
	Revised Net Resource Benefits	\$ 2,694	16	173.65
Third Earnings Claim		N/A	N/A	N/A
	Revised Net Resource Benefits			
Fourth Earnings Claim		N/A	N/A	N/A
	Revised Net Resource Benefits			

Notes:

Table E-3

(No Change From May 1, 1997 Filing)

Components of Resource Benefit Values

Program Year: 1994 SECOND EARNINGS CLAIM

Program: Non-Residential New Construction

(1994 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	TOTAL		
	kW	kWh	Therms
1994	47.00	198,355	0.00
1995	47.00	198,355	0.00
1996	47.00	198,355	0.00
1997	47.00	198,355	0.00
1998	47.00	198,355	0.00
1999	47.00	198,355	0.00
2000	47.00	198,355	0.00
2001	47.00	198,355	0.00
2002	47.00	198,355	0.00
2003	47.00	198,355	0.00
2004	47.00	198,355	0.00
2005	47.00	198,355	0.00
2006	47.00	198,355	0.00
2007	47.00	198,355	0.00
2008	47.00	198,355	0.00
2009	47.00	198,355	0.00
2010	0.00	0	0.00
2011	0.00	0	0.00
2012	0.00	0	0.00
2013	0.00	0	0.00
2014	0.00	0	0.00
2015	0.00	0	0.00
2016	0.00	0	0.00
2017	0.00	0	0.00
2018	0.00	0	0.00
SUM (1 Recycle)	47.00	3,173,660	0.00
FV	\$ 55	\$ 134	0.00

# of Units: 25  
 Resource Benefit (\$000, gross) 1,342  
 Net-to-Gross Ratio: 0.72  
 Resource Benefit (\$000, net) 971

	TOTAL		
	kW	kWh	Therms
# of Units	25	18	51
Resource Benefit (\$000, gross)	1,342	2,086	0
Net-to-Gross Ratio:	0.72	0.83	0.83
Resource Benefit (\$000, net)	971	1,723	0
Impact Study References:			
Study used for Forecast		36.44	
Required 1st LIY Study, 2nd Claim		323	
Required Persistence, 3rd Claim		N/A	
Required Persistence, 4th Claim		N/A	



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San Diego Gas & Electric Company

PY96 First Earnings Claim  
E-Tables

SAN DIEGO GAS & ELECTRIC

Table E-1  
Earnings Chain Summary Table: Shared Savings Programs (1990) and  
Program Year: 1996

FORECAST	Private Energy Efficiency Programs					Shared Savings Programs					Total \$/WC		
	PEW	RAE	CEEP	EEI	AED	Total	PEW	RAE	CEEP	Total			
Costs and Benefits for Earnings 1990 & B													
1. Measurement Costs	850	920	1401			3171	850	898	1148		2896	890	3782
2. Administration	1120	808	9822			11940	1120	1840	9978		13938	1860	15801
3. Program Benefits	798	25,808	98,881			107,667	798	11,558	11,848		24,204	12,046	36,250
4. Program Costs	1678	98,885	115,190	80	80	228,113	1678	14,880	17,893	37,851	30,011	117,862	125,873
5. Incremental Measurement Costs, net (1)(2)(3)	798	95,885	103,789			204,472	798	13,982	16,745	35,793	18,265	111,597	113,555
6. Passivity Benefits, net (4)(5)	11,244	119,921	137,590			249,755	11,244	28,673	117,064		136,981	149,253	161,012
Target Earnings 1990 & B													
16. Target Earnings Rate (11%) (6)	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	0.00%	30.00%	26.44%	23.81%	30.00%	26.86%	26.86%
17. Performance Earnings Base, net of (1)(16)	9330	14,118	121,832			145,770	11,244	94,812	68,303	14,148	126,614	134,830	134,830
18. Target Earnings	1101	14,228	145,590	80	80	160,005	1125	12,071	12,199	11,451	14,253	110,704	130,534
TBC BCR, with Earnings	1.23	1.28	1.81			1.59	0.42	1.85	1.31	1.15	1.72	1.53	1.53
UC BCR, with Earnings	0.23	1.28	0.72			1.02	0.42	2.22	2.14	1.45	1.78	1.20	1.20
CLOACED - FIRST EARNINGS CLAIM (1997) (A)(7)													
Recorded Benefits for Earnings 1990 & B													
Recorded Measurement Costs	80	118	81	80	80	318	80	80	80	80	80	80	318
Recorded Administration	814	11,878	25,421	11,890	11,890	43,973	814	12,598	12,802	11,163	110,302	111,214	111,214
Recorded Program Benefits	1722	112,287	115,442	11,551	11,63	130,215	1722	14,473	12,700	12,283	111,464	120,140	122,863
Recorded Incremental Measurement Costs, net	1722	115,224	115,134	14,725	14,725	242,004	1722	14,377	14,377	14,377	118,872	118,872	118,872
Recorded Research Benefits, net	12,118	128,132	107,425	125,122	12,818	312,612	12,118	143,390	143,296	130,855	115,812	116,658	116,658
Recorded Performance Earnings (11%) (18)	11,294	119,513	124,831	119,444	11,821	316,912	11,294	115,828	115,078	114,211	112,134	112,551	112,551
Recorded P/B (1)(18) (19) (Minimum 25%)	2853	2833	2953			2715	2953	155%	154%	231%	231%	231%	231%
Recorded Earnings	1798	13,254	119,849	15,934	1626	129,807	1722	110,530	110,557	11,148	110,297	110,410	110,410
TBC BCR, with Earnings	1.25	1.32	1.14	1.00	1.22	1.49	0.43	1.34	1.33	1.23	1.31	1.30	1.30
UC BCR, with Earnings	0.25	1.35	0.72	1.04	1.81	1.48	0.78	2.48	2.63	1.83	2.21	1.61	1.61
Earnings Distribution Share (1)(18) (20)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Chain for Record (1)(18) (20)	187	19,81	14,862	11,458	1107	12,493	81	12,813	12,828	11,042	19,048	110,601	110,601
Shared Earnings Chain (1)(18) (A)(7)													
Recorded Measurement Costs													
Recorded Research Benefits, net													
Recorded P/B													
Recorded Earnings													
Earnings Distribution Share (1)(18) (20)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for 3rd Claim													
Earnings Recorded from 1st and 3rd Claim													
Recorded Incremental Earnings													
Target Earnings Chain (1)(18) (A)(7)													
Recorded Measurement Costs													
Recorded Research Benefits, net													
Recorded P/B													
Recorded Earnings													
Earnings Distribution Share (1)(18) (20)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for 3rd Claim													
Earnings Recorded from 1st, 2nd, and 3rd Claim													
Recorded Incremental Earnings													
Target Earnings Chain (2000) (A)(7)													
Recorded Measurement Costs													
Recorded Research Benefits, net													
Recorded P/B													
Recorded Earnings													
Earnings Distribution Share (1)(18) (20)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for 3rd Claim													
Earnings Recorded from 1st, 2nd, and 3rd Claim													
Recorded Incremental Earnings													
Total Earnings	187	19,81	14,862	11,458	1107	12,493	81	12,813	12,828	11,042	19,048	110,601	110,601

Notes:  
 (1) For Program Year 1996, earnings for the actual and forecasted Base Construction Program in the 1st 1/2 of the earnings year are based on the contract signed before 10/30/94.  
 Reference A 01 11 02C, 1992 Test Year, General Rate Case, Joint Recommendation between SDG&E, DRA, and UCAN dated June 8, 1992, and signed in D 92 11 019 dated December 8, 1992.  
 (2) Commodity, Incentive, and Application (1) Program is a combined in the shared Savings Chain.  
 (3) Measurement costs (1)(18) is a full cost of the program.  
 (4) Measurement costs is included in the recorded Performance Earnings Base (1)(18), Recorded Earnings (11% \* 0.3 = 3%) of Earnings Chain for Program (11% \* 0.3 = 3%) of the P/B (1)(18) Total, per 0.94 10 03.

SAN DIEGO GAS & ELECTRIC

Table E-1  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1998

	PERFORMANCE ADDER PROGRAMS									PA GRAND TOTAL	SS & PA GRAND TOTAL
	Energy Management Services Programs					Direct Assistance Programs			TOTAL		
	REMS	CEMS	REMS	AEMS	Total	Non Mand	Mandatory	Total			
<b>Costs and Benefits for Earnings - Forecast (1) (000's \$)</b>											
1 Measurement Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 Administration	\$1,299	\$2,241	\$0	\$69	\$1,808	\$363	\$685	\$1,249	\$1,857	\$1,857	\$13,087
3 Program Incentives	\$0	\$0	\$0	\$0	\$0	\$2,120	\$1,858	\$4,018	\$4,018	\$4,018	\$21,506
4 Program Costs	\$1,299	\$2,241	\$0	\$69	\$1,808	\$2,684	\$2,583	\$5,267	\$5,267	\$5,267	\$34,573
5 Incremental Measure Costs, net (MCn)	\$101	\$2,206	\$0	\$2,414	\$4,721	\$2,221	\$1,898	\$4,120	\$8,841	\$8,841	\$30,396
6 Resource Benefits, net (RBn)	\$425	\$3,510	\$0	\$718	\$4,653	\$1,269	\$1,019	\$2,768	\$7,441	\$7,441	\$58,453
<b>Target Earnings</b>											
16 Target Earnings Rate	5%	5%	5%	5%	5%	5%	N/A	5%	5%	5%	25%
17 Performance Earnings Basis, at target (PEB)	\$1,299	\$2,241	\$0	\$69	\$1,808	\$2,684	N/A	\$2,684	\$5,292	\$5,292	\$41,262
18 Target Earnings	\$65	\$112	\$0	\$3	\$180	\$134	N/A	\$134	\$315	\$315	\$10,419
TRC BCR, with Earnings	0.29	0.77	0.00	0.29	0.00	0.81	0.00	0.81	0.53	0.53	1.27
UC BCR, with Earnings	0.31	1.49	0.00	0.96	0.00	0.83	0.00	0.83	0.81	0.81	1.52
<b>First Earnings Claim (1997 AEAP)</b>											
Recorded Measurement Costs (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Recorded Administration	\$1,249	\$1,083	\$333	\$73	\$2,739	\$581	\$366	\$348	\$3,687	\$3,687	\$14,961
Recorded Program Incentives	\$0	\$0	\$0	\$0	\$0	\$1,783	\$1,560	\$3,323	\$3,323	\$3,323	\$36,931
Recorded Incremental Measure Costs, net	\$225	\$2,859	\$1,314	\$19	\$9,418	\$1,573	\$1,470	\$3,043	\$12,459	\$12,459	\$58,953
Recorded Resource Benefits, net	\$2,855	\$12,281	\$3,778	\$20	\$18,934	\$1,529	\$843	\$2,374	\$21,305	\$21,305	\$207,972
Recorded PEB	\$1,249	\$1,083	\$333	\$73	\$2,739	\$2,345	N/A	\$2,345	\$5,084	\$5,084	\$140,635
Recorded PEB/PEB (%) (Minimum 75%)	96%	48%	0%	107%	76%	87%	N/A	87%	81%	81%	341%
Recorded Earnings	\$68	\$0	\$0	\$0	\$69	\$141	N/A	\$141	\$210	\$210	\$40,815
TRC BCR, with Earnings	1.85	1.37	2.29	0.27	1.55	0.67	N/A	0.67	1.30	1.30	1.82
UC BCR, with Earnings	2.17	11.34	11.34	0.27	6.74	0.82	N/A	0.82	2.95	2.95	2.25
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$17	\$0	\$0	\$0	\$17	\$35	N/A	\$35	\$52	\$52	\$10,154
<b>Second Earnings Claim</b>											
Recorded Measurement Costs (3)											
Earnings Distribution Share	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for Second Claim											
Earnings Recovered from First Claim											
Recorded Incremental Earnings											
<b>Third Earnings Claim</b>											
Recorded Measurement Costs (3)											
Earnings Distribution Share	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for Third Claim											
Earnings Recovered from First and Second Claims											
Recorded Incremental Earnings											
<b>Fourth Earnings Claim</b>											
Recorded Measurement Costs (3)											
Earnings Distribution Share	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for Fourth Claim											
Earnings Recovered from 1st, 2nd, and 3rd Claims											
Recorded Incremental Earnings											
<b>Total Earnings</b>	\$17	\$0	\$0	\$0	\$17	\$35	N/A	\$35	\$52	\$52	\$10,154

See footnotes at end of Appendix E

**SAN DIEGO GAS & ELECTRIC**

**Table E-2**  
**Recorded Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1996 First Earnings Claim**  
**Program: RESIDENTIAL WEATHERIZATION RETROFIT INCENTIVES (RWRI)**  
**(in thousands of 1996 Dollars)**

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Heating	Cooling	Total	Heating	Cooling	Heating	Cooling
1 Measurement Costs	\$ -	\$ -	\$ -	5,003	3,961	\$ -	\$ -
2 Administration	\$ 27	\$ 17	\$ 44	5,003	3,961	\$ 6.45	\$ 4.33
3 Program Incentives	\$ 474	\$ 298	\$ 772	5,003	3,961	\$ 94.71	\$ 75.23
4 Program Costs	\$ 501	\$ 315	\$ 816	5,003	3,961	\$ 100.17	\$ 79.56
5 Incremental Measure Costs, gross	\$ 474	\$ 298	\$ 772	5,003	3,961	\$ 94.71	\$ 75.23
6 Resource Benefits, gross	\$ 634	\$ 1,476	\$ 2,110	5,003	3,961	\$ 126.72	\$ 372.59
7 Net-to-Gross Ratio	1.00	1.00	1.00	5,003	3,961	NA	NA
8 Incremental Measure Costs, net	\$ 474	\$ 298	\$ 772	5,003	3,961	\$ 94.71	\$ 75.23
9 Resource Benefits, net	\$ 634	\$ 1,476	\$ 2,110	5,003	3,961	\$ 126.72	\$ 372.59
Second Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996 First Earnings Claim  
 Program: RESIDENTIAL WEATHERIZATION RETROFIT INCENTIVES (RWRI)  
 (in thousands of 1996 Dollars)

Average Load Impacts Per Unit (Gross)

Year	Heating			Cooling		
	kW	kWh	Therms	kW	kWh	Therms
1998		85.16	31.11	0.218	386	
1999		86.16	31.11	0.218	385	
2000		85.16	31.11	0.218	386	
2001		85.16	31.11	0.218	386	
2002		85.16	31.11	0.218	385	
2003		85.16	31.11	0.218	386	
2004		85.16	31.11	0.218	386	
2005		85.16	31.11	0.218	386	
2006		39.71	11.73	0.101	178	
2007		39.71	11.73	0.101	178	
2008		39.71	11.73	0.101	178	
2009		39.71	11.73	0.101	178	
2010		39.71	11.73	0.101	178	
2011		39.71	11.73	0.101	178	
2012		39.71	11.73	0.101	178	
2013		39.71	11.73	0.101	178	
2014		39.71	11.73	0.101	178.62	
2015		39.71	11.73	0.101	178.62	
2016						
2017						
2018						
2019						
2020						
SUM & recycle		1,248.83	428.44	0.218	6,632.74	
PV		43.650	83	178	197	

# of Units:  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio:  
 Resource Benefit (\$1000, net)

Impact Study References:  
 Study used for forecast  
 Required 1st Yr LI Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

Heating			Cooling		
kW	kWh	Therms	kW	kWh	Therms
	6,003	6,003	3,861	3,861	
\$	218	\$ 418	\$ 696	\$ 780	
	1.00	1.00	1.00	1.00	
\$	218	\$ 418	\$ 696	\$ 780	
	Study ID #		Study ID #		
	N/A		N/A		
	989		989		
	990		990		
	991		991		

SAN DIEGO GAS & ELECTRIC

Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996 First Earnings Claim

Program: RESIDENTIAL APPLIANCE EFFICIENCY INCENTIVES PROGRAM (RAEI)

(in thousands of 1996 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ dollars)		
	Lighting	Refrigeration	Misc	Total	Lighting	Refrigeration	Misc	Lighting	Refrigeration	Misc
1 Measurement Costs	\$ -	\$ -	\$ 18	\$ 18	409,979	41,146	30,835	\$ -	\$ -	\$ 0
2 Administration	\$ 640	\$ 248	\$ 150	\$ 1,038	409,979	41,146	30,835	\$ 1.56	\$ 6.03	\$ 4.87
3 Program Incentives	\$ 2,610	\$ 2,730	\$ 1,926	\$ 12,267	409,979	41,146	30,835	\$ 18.56	\$ 66.36	\$ 62.46
4 Program Costs	\$ 8,251	\$ 2,979	\$ 2,076	\$ 13,306	409,979	41,146	30,835	\$ 20.12	\$ 72.39	\$ 67.34
5 Incremental Measure Costs, gross	\$ 11,258	\$ 3,567	\$ 2,571	\$ 17,397	409,979	41,146	30,835	\$ 27.45	\$ 85.69	\$ 83.39
6 Resource Benefits, gross	\$ 17,572	\$ 8,148	\$ 5,300	\$ 31,020	409,979	41,146	30,835	\$ 42.85	\$ 198.03	\$ 171.88
7 Net to Gross Ratio	0.90	1.00	0.77	0.91	409,979	41,146	30,835	NA	NA	NA
8 Incremental Measure Costs, net	\$ 10,186	\$ 3,567	\$ 1,981	\$ 15,734	409,979	41,146	30,835	\$ 24.84	\$ 85.69	\$ 64.25
9 Resource Benefits, net	\$ 15,899	\$ 8,148	\$ 4,084	\$ 28,130	409,979	41,146	30,835	\$ 38.78	\$ 198.03	\$ 132.44
Second Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SAN DIEGO GAS & ELECTRIC

Table E-3

Components of Resource Benefit Values

Program Year: 1996 First Earnings Claim

Program: RESIDENTIAL APPLIANCE EFFICIENCY INCENTIVES PROGRAM (RAEI)

(in thousands of 1996 Dollars)

Year	Average Load Impacts Per Unit (Gross)								
	Lighting			Refrigeration			Misc		
	LW	kWh	Therma	LW	kWh	Therma	LW	kWh	Therma
1996	0.008	88.67		0.098	176		0.033	318	4.31
1997	0.008	88.67		0.098	176		0.033	318	4.31
1998	0.008	88.67		0.098	176		0.033	318	4.31
1999	0.008	88.67		0.098	176		0.033	318	4.31
2000	0.008	88.67		0.098	176		0.033	318	4.31
2001	0.008	88.67		0.098	176		0.033	318	4.31
2002	0.007	77.40		0.098	176		0.033	318	4.31
2003	0.007	77.40		0.098	176		0.033	318	4.31
2004	0.007	77.40		0.098	176		0.033	318	4.31
2005	0.007	77.40		0.098	176		0.033	318	4.31
2006	0.007	77.40		0.098	176		0.033	318	4.31
2007	0.007	77.40		0.098	176		0.033	318	4.31
2008	0.007	77.40		0.098	176		0.033	318	4.31
2009	0.007	77.40		0.098	176		0.033	318	4.31
2010	0.007	77.40		0.098	176		0.033	318	4.31
2011	0.007	77.40		0.098	176		0.033	318	4.31
2012	0.007	77.40		0.098	176		0.033	318	4.31
2013	0.007	77.40		0.098	176		0.033	318	4.31
2014	0.007	77.40		0.098	176		0.033	318	4.31
2015	0.007	77.40		0.098	176		0.033	318	4.31
2016	0.007	77.40		0.098	176		0.033	318	4.31
2017	0.007	77.40		0.098	176		0.033	318	4.31
2018	0.007	77.40		0.098	176		0.033	318	4.31
2019	0.007	77.40		0.098	176		0.033	318	4.31
2020	0.007	77.40		0.098	176		0.033	318	4.31
SUM (Decycle)	0.008	1,103.22		0.098	2,169.22		0.033	4,127.07	43.16
PV	6	37.666		91	106		18	144	9

# of Units:  
Resource Benefit (\$1000, gross)  
Net to Gross Ratio:  
Resource Benefit (\$1000, net)

Impact Study References:  
Study used for Forecast  
Required 1st Year Study, 2nd Claim  
Required Persistence, 3rd Claim  
Required Persistence, 4th Claim

	Lighting			Refrigeration			Misc		
	LW	kWh	Therma	LW	kWh	Therma	LW	kWh	Therma
	408,818	408,818		41,218	41,218		30,836	30,836	30,836
\$	2,176	\$ 16,397		\$ 2,270	\$ 4,378		\$ 684	\$ 4,441	\$ 216
	0.89	0.81		1.00	1.00		0.78	0.76	1.00
\$	1,840	\$ 13,968		\$ 2,270	\$ 4,378		\$ 469	\$ 3,360	\$ 216
		Study ID #			Study ID # (2)			Study ID #	
		906			N/A			N/A	
		903			980			N/A	
		984			981			N/A	
		985			982			N/A	

**SAN DIEGO GAS & ELECTRIC**

**Table E-2**

**Recorded Costs and Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1996 First Earnings Claim  
Program: RESIDENTIAL NEW CONSTRUCTION PROGRAM (RNC)  
(in thousands of 1996 Dollars)**

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Whole	Misc	Total	Whole	Misc	Whole	Misc
1 Measurement Costs	\$ -	\$ -	\$ -	2,121	89	\$ -	\$ -
2 Administration	\$ 78	\$ 6	\$ 84	2,121	89	\$ 36.63	\$ 68.01
3 Program Incentives	\$ 392	\$ 31	\$ 423	2,121	89	\$ 185.01	\$ 343.49
4 Program Costs	\$ 470	\$ 37	\$ 507	2,121	89	\$ 221.65	\$ 411.50
5 Incremental Measure Costs, gross	\$ 3,148	\$ 31	\$ 3,179	2,121	89	\$ 1,484.12	\$ 347.23
6 Resource Benefits, gross	\$ 392	\$ 31	\$ 423	2,121	89	\$ 184.95	\$ 343.38
7 Net-to-Gross Ratio	1.00	0.75	0.98	2,121	89	NA	NA
8 Incremental Measure Costs, net	\$ 3,148	\$ 23	\$ 3,171	2,121	89	\$ 1,484.12	\$ 260.42
9 Resource Benefits, net	\$ 392	\$ 23	\$ 415	2,121	89	\$ 184.95	\$ 257.54
Second Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes:**

There are slight dollar differences when comparing totals with Table E-1 due to rounding.



SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996 First Earnings Claim  
 Program: RESIDENTIAL NEW CONSTRUCTION PROGRAM (RNCP)  
 (in thousands of 1996 Dollars)

Year	Average Load Impacts Per Unit (Gross)					
	Whole			Misc		
	kW	kWh	Therma	kW	kWh	Therma
1996	0.118	189 680	22.123	0.077	787.076	
1997	0.118	189 680	22.123	0.077	787.076	
1998	0.118	189 680	22.123	0.077	787.076	
1999	0.118	189 680	22.123	0.077	787.076	
2000	0.118	189 680	22.123	0.077	787.076	
2001	0.118	189 680	22.123	0.077	787.076	
2002	0.118	189 680	22.123	0.077	787.076	
2003	0.118	189 680	22.123	0.077	787.076	
2004	0.118	189 680	22.123	0.077	787.076	
2005	0.118	189 680	22.123	0.077	787.076	
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
SUM (Recycle)	0.118	1,698 80	221.23	0.077	7,870.76	
FV	23.68	65.63	46	17.72	295.68	

# of Units  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio:  
 Resource Benefit (\$1000, net)

Impact Study References:  
 Study used for forecast  
 Required 1st Yr LI Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	Whole			Misc		
	kW	kWh	Therma	kW	kWh	Therma
# of Units	2,121	2,121	2,121	89	89	
Resource Benefit (\$1000, gross)	168	138	97	4	26	
Net to Gross Ratio:	1.00	1.00	1.00	0.76	0.76	
Resource Benefit (\$1000, net)	168	138	97	3	20	
Impact Study References:	Study ID #			Study ID #		
Study used for forecast	N/A			N/A		
Required 1st Yr LI Study, 2nd Claim	1001			N/A		
Required Persistence, 3rd Claim	1002			N/A		
Required Persistence, 4th Claim	1003			N/A		

SAN DIEGO GAS & ELECTRIC

SDG&E Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1998 First Earnings Claim

Program: COMMERCIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (CEEI)

(In thousands of 1998 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ dollars)		
	LIGHTING	HVAC	MISC	Total	LIGHTING	HVAC	MISC	LIGHTING	HVAC	MISC
1 Measurement Costs					1,089,314,537	28,220,205	894			
2 Administration	4,191	822	408	5,421	1,089,314,537	28,220,205	894	0.00	0.03	455.87
3 Program Incentives	13,975	787	715	15,482	1,089,314,537	28,220,205	894	0.01	0.03	805.31
4 Program Costs	18,170	1,530	1,123	20,823	1,089,314,537	28,220,205	894	0.02	0.06	1,255.28
5 Incremental Measure Costs, gross	11,858	3,505	2,482	17,825	1,089,314,537	28,220,205	894	0.03	0.13	2,753.95
6 Resource Benefits, gross	87,720	11,850	2,925	100,545	1,089,314,537	28,220,205	894	0.07	0.45	8,464.95
7 Net to Gross Ratio	0.85	0.90	0.77	0.85	1,089,314,537	28,220,205	894	NA	NA	NA
8 Incremental Measure Costs, net	10,098	3,151	1,887	15,134	1,089,314,537	28,220,205	894	0.03	0.17	2,110.78
9 Resource Benefits, net	68,269	10,852	8,074	85,495	1,089,314,537	28,220,205	894	0.06	0.41	8,274.61
Second Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										

Notes

There are slight dollar differences when comparing totals with Table E-1 due to rounding

SAN DIEGO GAS & ELECTRIC

SDG&E Table E-3

Components of Resource Benefit Values

Program Year: 1998 First Earnings Claim

Program: COMMERCIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (CEEI)

(In thousands of 1998 Dollars)

Average Load Impacts per Unit (Gross)

Year	LIGHTING			HVAC			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
1998	0.15	0.15	10.00	0.00	0.00	0.02	1.34	18,003.15	115.21
1999	0.15	0.15	10.00	0.00	0.00	0.02	1.34	18,003.15	115.21
2000	0.11	0.11	10.00	0.00	0.00	0.02	1.34	18,003.15	115.21
2001	0.11	0.11	10.00	0.00	0.00	0.02	1.34	18,003.15	115.21
2002	0.11	0.11	10.00	0.00	0.00	0.01	1.34	15,028.43	115.21
2003	0.11	0.11	10.00	0.00	0.00	0.01	1.34	15,028.43	115.21
2004	0.11	0.11	10.00	0.00	0.00	0.01	1.34	15,028.43	115.21
2005	0.11	0.11	10.00	0.00	0.00	0.01	1.34	15,028.43	115.21
2006	0.07	0.08	10.00	0.00	0.51	0.01	1.33	9,600.57	115.21
2007	0.07	0.08	10.00	0.00	0.54	0.01	1.33	9,600.57	115.21
2008	0.04	0.04	10.00	0.00	0.56	0.01	1.33	9,600.57	115.21
2009	0.04	0.04	10.00	0.00	0.56	0.01	1.33	9,600.57	115.21
2010	0.04	0.04	10.00	0.00	0.56	0.01	1.33	9,542.54	115.21
2011	0.04	0.04	10.00	0.00	0.10	10.00	0.08	3,295.79	2.54
2012	0.03	0.03	10.00	0.00	0.10	10.00	0.08	1,743.62	2.54
2013	0.03	0.03	10.00	0.00	0.10	10.00	0.08	613.31	2.54
2014	0.02	0.03	10.00	0.00	0.10	10.00	0.07	208.86	2.54
2015	0.02	0.03	10.00	0.00	0.10	10.00	0.07	208.86	2.54
2016									
2017									
2018									
2019									
2020									
SUM (forecast)	0.150	1.84	10.00	0.000	9.89	0.20	1.325	212,889.15	1,747.92
CV	0.004	0.000	10.000	0.000	0.000	0.000	1.325	7.372	0.235

# of Units  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$1000, net)

	LIGHTING			HVAC			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
	200,182	1,685,314,537	1,089,318,537	26,270,705	26,270,705	26,270,705	874	894	874
	18,792	81,900	0.90	2,074	8,674	0.90	1,018	1,604	2.05
	0.04	0.05	0.90	0.79	0.90	0.90	0.80	0.76	0.77
	15,722	53,040	1.21	1,884	7,815	918	818	5,076	2.21
Impact Study References	Study ID #			Study ID #			Study ID #		
Study used for Forecast	903			N/A			N/A		
Required 1st Yr LI Study, 2nd Claim	992			992			N/A		
Required Persistence, 3rd Claim	993			993			N/A		
Required Persistence, 4th Claim	994			994			N/A		

Notes:

- Per SDG&E and ORA agreement as stated in SDG&E's Revised Reply Testimony dated August 13, 1998 (Exhibit No. 8 at pp. 2-3), the Commercial Lighting Average Load Impact per Unit was corrected to determine the actual reduction. These revised load impacts will be used to calculate the realization rates in the first year load impact evaluation which will be the basis for SDG&E's FY95 second and third claim.
- IN's table was revised to separate the combo and use into the Lighting and HVAC and use and to account for measures that were reclassified from one end use to another.

SAN DIEGO GAS & ELECTRIC

SDG&E Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1998 First Earnings Claim

Program: INDUSTRIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (IEEI)

(in thousands of 1998 Dollars)

	End Use Totals					Number of Units				Average Per Unit (in Dollars)			
	LIGHTING	MOTORS	PROCESS	MISC	Total	LIGHTING	MOTORS	PROCESS	MISC	LIGHTING	MOTORS	PROCESS	MISC
1 Measurement Costs	0	0	0	0	0	25,033,845	5,144	31	39	0	0	0	0
2 Administration	343	172	1,304	180	1,980	25,033,845	5,144	31	39	0.01	3348	42,077.61	4,402.51
3 Program Incentives	879	87	898	90	1,551	25,033,845	5,144	31	39	0.03	1888	32,449.08	2,714.11
4 Program Costs	1,022	259	2,000	270	3,531	25,033,845	5,144	31	39	0.04	5036	64,526.69	6,416.62
5 Incremental Measure Costs, gross	812	117	3,934	553	5,218	25,033,845	5,144	31	39	0.02	2863	126,310.52	14,318.85
6 Resource Benefits, gross	5,025	2,147	18,978	2,773	28,831	25,033,845	5,144	31	39	0.20	41240	583,062.83	71,003.25
7 Net to Gross Ratio	0.88	0.75	0.95	0.75	0.90	25,033,845	5,144	31	39	NA	NA	NA	NA
8 Incremental Measure Costs, net	528	110	3,774	415	4,725	25,033,845	5,144	31	39	0.02	2118	120,144.72	10,411.91
9 Resource Benefits, net	4,324	1,810	12,112	2,081	25,127	25,033,845	5,144	31	39	0.17	31305	551,997.87	53,248.66
Second Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs													
Revised Net Resource Benefits													
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs													
Revised Net Resource Benefits													
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs													
Revised Net Resource Benefits													

Notes:

There are slight dollar differences when comparing totals with Table E-1 due to rounding



SAN DIEGO GAS & ELECTRIC

SDG&E Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996 First Earnings Claim

Program: AGRICULTURAL ENERGY EFFICIENCY INCENTIVES PROGRAM (AEEI)

(in thousands of 1998 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ dollars)		
	LIGHTING	PUMPING	MISC	Total	LIGHTING	PUMPING	MISC	LIGHTING	PUMPING	MISC
1 Measurement Costs	\$ -	\$ -	\$ -	\$ -	1,186,496	910	4	\$ -	\$ -	\$ -
2 Administration	\$ 4	\$ 75	\$ 28	\$ 108	1,186,496	910	4	\$ 0.00	\$ 82.59	\$ 7,093.66
3 Program Incentives	\$ 2	\$ 48	\$ 113	\$ 163	1,186,496	910	4	\$ 0.00	\$ 52.97	\$ 28,151.50
4 Program Costs	\$ 7	\$ 123	\$ 141	\$ 271	1,186,496	910	4	\$ 0.01	\$ 135.56	\$ 35,245.16
5 Incremental Measure Costs, gross	\$ 9	\$ 267	\$ 383	\$ 664	1,186,496	910	4	\$ 0.01	\$ 292.88	\$ 97,176.97
6 Resource Benefits, gross	\$ 1,054	\$ 1,059	\$ 61	\$ 2,174	1,186,496	910	4	\$ 0.83	\$ 1,164.19	\$ 15,256.54
7 Net to Gross Ratio	\$ 0.95	\$ 0.90	\$ 0.93	\$ 0.92	1,186,496	910	4	NA	NA	NA
8 Incremental Measure Costs, net	\$ 8	\$ 233	\$ 383	\$ 630	1,186,496	910	4	\$ 0.01	\$ 262.13	\$ 95,842.14
9 Resource Benefits, net	\$ 1,002	\$ 948	\$ 60	\$ 2,010	1,186,496	910	4	\$ 0.84	\$ 1,041.95	\$ 15,046.97
Second Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										

Notes

There are slight dollar differences when comparing totals with Table E-1 due to rounding

8856 38

SAN DIEGO GAS & ELECTRIC

SD&E Table E-3

Components of Resource Benefit Values

Program Year: 1996 First Earnings Claim

Program: AGRICULTURAL ENERGY EFFICIENCY INCENTIVES PROGRAM (AEEI)

(in thousands of 1996 Dollars)

Year	Average Load Impacts Per Unit (Gross)								
	LIGHTING			PUMPING			MISC		
	LW	kWh	Therms	LW	kWh	Therms	LW	kWh	Therms
1996	2.28	2.27		0.212	1919.346		3.42	24,444.19	
1997	2.28	2.27		0.212	1919.346		3.42	24,444.19	
1998	1.28	1.28		0.212	1919.346		3.42	24,444.19	
1999	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2000	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2001	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2002	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2003	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2004	1.28	1.28		0.212	1919.346		3.42	24,444.19	
2005	1.28	1.28		0.212	1919.346		3.42	22,997.00	
2006	0.54	0.52		0.212	1919.346		3.42	22,997.00	
2007	0.54	0.52		0.212	1919.346		3.42	22,997.00	
2008	0.54	0.52		0.212	1919.346		3.42	22,997.00	
2009	0.54	0.52		0.212	1919.346		3.42	22,997.00	
2010	0.54	0.52		0.212	1919.346		0.02	784.46	
2011	0.54	0.52					0.02	784.46	
2012	0.03	0.02					0.02	214.74	
2013	0.03	0.02					0.02	214.74	
2014	0.03	0.02					0.02	214.74	
2015	0.03	0.02							
2016									
2017									
2018									
2019									
2020									
SUM R. 400.0.0.	2.283	17.95		0.212	29,790.19		3.420	361,639.99	
CV			0						12

# of Units  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$1000, net)

Impact Study References  
 Study used for Forecast  
 Required 1st Year II Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	LIGHTING			PUMPING			MISC		
	LW	kWh	Therms	LW	kWh	Therms	LW	kWh	Therms
	235	1,188,498		910	910		4	4	
	1	159		163	897		12	49	
	0.95	0.95		0.85	0.90		100	0.98	
	1	122		145	803		12	49	
	Study ID #			Study ID #			Study ID #		
	903			N/A			N/A		
	998			998			N/A		
	999			999			N/A		
	1000			1000			N/A		

Notes:  
 (1) This table was revised to reclassify the space heating measures from the miscellaneous and use to the space heating and use per the approved AEEI retroactive waiver dated

**SAN DIEGO GAS & ELECTRIC**

**SDG&E Table E-2**

**Recorded Costs and Benefits for Shareholder Incentives Programs**

**By End Use Element**

**Program Year: 1996 First Earnings Claim**

**Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)**

**(in thousands of 1996 Dollars)**

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Whole	MISC	Total	Whole	MISC	Whole	MISC
1 Measurement Costs	\$ -	\$ -	\$ -	285	44	\$ -	\$ -
2 Administration	\$ 2,205	\$ 394	\$ 2,599	285	44	\$ 7,736.94	\$ 8,944.78
3 Program Incentives	\$ 2,520	\$ 450	\$ 2,970	285	44	\$ 8,841.95	\$ 10,222.29
4 Program Costs	\$ 4,725	\$ 843	\$ 5,568	285	44	\$ 16,578.89	\$ 19,167.07
5 Incremental Measure Costs, gross	\$ 6,605	\$ 1,161	\$ 7,666	285	44	\$ 22,823.74	\$ 26,386.82
6 Resource Benefits, gross	\$ 44,951	\$ 8,023	\$ 52,974	285	44	\$ 157,723.19	\$ 182,345.77
7 Net-to-Gross Ratio	0.82	0.79	0.82	285	44	NA	NA
8 Incremental Measure Costs, net	\$ 6,364	\$ 914	\$ 6,277	285	44	\$ 18,819.92	\$ 20,767.82
9 Resource Benefits, net	\$ 37,066	\$ 6,315	\$ 43,380	285	44	\$ 130,054.86	\$ 143,515.77
Second Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Measurement Costs Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes:**

There are slight dollar differences when comparing totals with Table E-1 due to rounding.



SAN DIEGO GAS & ELECTRIC

SD&E Table E-3

Components of Resource Benefit Values

Program Year: 1996 First Earnings Claim

Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)

(in thousands of 1996 Dollars)

Average Load Impacts Per Unit (Gross)

Year	WHOLE			MISC		
	LW	LWh	Therma	LW	LWh	Therma
1996	37.52	238,055.80				83,378.91
1997	37.52	238,055.80				83,378.91
1998	37.52	238,055.80				83,378.91
1999	37.52	238,055.80				83,378.91
2000	37.52	238,055.80				83,378.91
2001	37.52	238,072.39				82,968.55
2002	37.42	237,184.95				82,968.55
2003	37.42	237,184.95				82,968.55
2004	37.38	236,854.35				82,968.55
2005	37.12	234,818.74				82,968.55
2006	35.47	227,718.65				82,968.55
2007	35.47	227,714.13				82,968.55
2008	35.47	227,705.51				82,968.55
2009	35.47	227,687.75				82,968.55
2010	35.47	227,687.75				82,968.55
2011	19.59	94,852.54				14.48
2012	8.00	24,487.49				14.48
2013	8.00	24,487.49				14.48
2014	8.00	24,478.87				14.48
2015	5.19	23,555.82				14.48
2016						
2017						
2018						
2019						
2020						
SUM R./cycle	37.52	3,664,688.86				948,537.81
FY	37.47	235.25				182.35

# of Units: 285  
 Resource Benefit (\$1000, gross): 1 5,254 1 35,697  
 Net to Gross Ratio: 0.83 0.82  
 Resource Benefit (\$1000, net): 1 2,696 1 29,370

Impact Study References  
 Study used for Forecast: N/A  
 Required 1st Yr LI Study, 2nd Claim: 1004  
 Required Persistence, 3rd Claim: 1005  
 Required Persistence, 4th Claim: 1006

	WHOLE			MISC		
	LW	LWh	Therma	LW	LWh	Therma
	285	285				44
	1 5,254	1 35,697				1 8,023
	0.83	0.82				0.78
	1 2,696	1 29,370				1 8,315
		Study ID #			Study ID #	
		N/A			N/A	
		1004			N/A	
		1005			N/A	
		1006			N/A	

Notes:

(1) This table was revised to consolidate all individual end uses into a whole building end use as specified in the M&E protocols

SAN DIEGO GAS & ELECTRIC

Table E-4  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1996

		Direct Assistance (Non-Mandatory)	Res EMS	Coml EMS	Ind EMS	Ag EMS
a	Electricity Expenditures (\$000)	\$2,339	\$752	N/A	N/A	N/A
b	Electricity Savings (mWh)	3,891	399	N/A	N/A	N/A
c	Electricity Program Cost Ratio (a/b)	0.601	1.886	N/A	N/A	N/A
d	Previous Year's Electricity Cost Ratio [1]	0.936	2.650	N/A	N/A	N/A
e	Relative Electricity Program Cost Ratio (c/d)	0.642	0.712	N/A	N/A	N/A
f	Gas Expenditures (\$000)	\$5	\$497	N/A	N/A	N/A
g	Gas Savings (000s therms)	10	143	N/A	N/A	N/A
h	Gas Program Cost Ratio (f/g)	0.528	3.473	N/A	N/A	N/A
i	Previous Year's Gas Program Cost Ratio [1]	5.285	2.991	N/A	N/A	N/A
j	Relative Gas Program Cost Ratio (h/i)	0.100	1.161	N/A	N/A	N/A
k	Total expenditures (a+f) (\$000)	\$2,345	\$1,249	N/A	N/A	N/A
l	Weighted Relative Program Cost Ratio [e*(a/k)+j*(f/k)]	0.641	0.891	N/A	N/A	N/A
m	Performance factor (2-1) [2]	1.200	1.109	N/A	N/A	N/A
n	Lifecycle Earnings (\$000) [k*0.05*m]	\$141	\$69	N/A	N/A	N/A

Notes:

- [1] Previous year costs are escalated to current year dollars.  
[2] The performance factor is required to be no smaller than 0.8 and no greater than 1.2

A.97-05-002 et al ALJ/MEG/bwg

**San Diego Gas & Electric Company**

**PY95 Second Earnings Claim  
E-Tables**

SAN DIEGO GAS & ELECTRIC

Table E-1  
Earnings Data Summary Table: Shared Earnings Programs  
Program Year: 1994

FORECAST	SHARED EARNINGS PROGRAMS													
	Retiree Earnings (Minimum Benefits Programs)					New Construction Programs				Partials				Total w/BC
	Part	RAD	CEB	ED	AEB	Total	Res	Reserve	Total	Res	Reserve	Total		
Costs and Benefits For Earnings (\$00's)														
1 Measurement Costs		8300	8780			81,516	640	8180	8230	8370	8870	11,340	11,340	
2 Administration		8870	82,880			83,930	890	81,118	81,170	81,800	84,870	85,100	85,100	
3 Program Incentives		85,700	811,218			818,818	8880	81,118	81,780	88,380	812,320	818,700	818,700	
4 Program Costs	80	88,870	814,176	80	80	870,840	8740	82,220	82,880	87,418	812,800	823,800	823,800	
5 Incremental Measure Costs, net DMG		84,340	818,920			818,380	88,930	811,270	88,060	811,170	818,140	827,418	827,418	
6 Resource Benefits, net DMG		818,280	844,120			854,880	82,100	82,220	88,820	811,890	851,880	884,780	884,780	
Target Earnings (\$00's)														
10 Target Earnings Rate (TER) (%)	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	8.00%	18.10%	18.41%	23.92%	23.12%	26.88%	26.88%	
12 Performance Earnings Basis, at target (PEB)		85,040	827,440			832,480	82,100	85,880	87,580	82,140	832,870	840,870	840,870	
18 Target Earnings	80	811,812	88,222	80	80	88,744	8188	8828	81,818	811,701	88,081	818,782	818,782	
TNC BCA, with Earnings		1.58	1.88			1.88	8.28	2.12	8.88	8.82	1.12	1.58	1.58	
UC BCA, with Earnings		1.22	1.82			1.82	2.28	2.52	2.42	8.81	2.01	1.82	1.82	
RECORDED - FIRST EARNINGS CLAIM (1994 AEAP)														
Costs and Benefits For Earnings (\$00's)														
Recorded Measurement Costs	80	884	874	80	80	8188	840	80	840	8134	874	8208	8208	
Recorded Administration	8111	8814	88,428	8888	818	87,841	888	81,888	81,898	8822	88,881	88,818	88,818	
Recorded Program Incentives	8828	88,822	815,878	8761	813	824,504	8487	82,838	82,822	88,848	818,881	827,828	827,828	
Recorded Incremental Measure Costs, net	8828	88,881	878,818	81,278	874	838,874	83,834	84,858	88,888	818,741	832,328	848,881	848,881	
Recorded Resource Benefits, net	81,814	824,888	8188,841	88,888	8221	8144,848	8850	828,388	828,754	828,124	8118,872	8171,201	8171,201	
Recorded Performance Earnings Basis (PEB)	8817	814,248	878,482	87,581	8158	8182,853	8831	828,888	811,388	818,388	8188,882	8122,848	8122,848	
Recorded PEB/TER (%) (Minimum 75%)		28.5	28.5			28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	
Recorded Earnings	8173	84,814	823,848	82,288	848	838,814	844	85,818	85,154	84,882	831,878	838,878	838,878	
TNC BCA, with Earnings	1.38	1.82	1.81	2.05	1.84	1.84	8.14	2.11	1.88	1.38	1.81	1.82	1.82	
UC BCA, with Earnings	1.38	1.82	1.88	1.82	1.83	1.88	8.82	1.81	1.88	1.82	1.81	1.84	1.84	
Earnings Distribution Share (1st Claim)	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	
Earnings Claim for Recovery (1st Claim)	843	81,888	85,881	8888	812	87,884	811	81,382	81,382	81,382	88,812	88,812	88,812	
Second Earnings Claim (1994 AEAP)														
Recorded Measurement Costs		858	8503	8108	830	8700	81	8182	8183	888	8834	8883	8883	
Recorded Resource Benefits, net	81,814	824,838	8112,812	88,824	888	8152,888	878	824,388	824,888	822,278	8188,248	8122,822	8122,822	
Recorded PEB	8817	815,124	888,482	85,818	876	8118,887	851	828,388	821,388	818,222	8118,388	8131,482	8131,288	
Recorded Earnings	8173	84,837	825,388	81,278	88	831,387	888	84,881	84,881	84,876	838,888	838,888	838,888	
Earnings Distribution Share (2nd Claim)	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	
Recorded Earnings (2nd Claim)	887	82,388	812,888	8888	84	818,811	822	82,448	82,478	82,388	818,841	818,328	818,184	
Earnings Recovered from 1st Claim	843	81,888	85,881	8888	812	87,884	811	81,382	81,382	81,122	87,888	88,812	88,812	
Recorded Incremental Earnings	843	81,200	88,482	8212	888	88,117	821	81,882	81,114	81,288	88,812	88,112	88,112	
Third Earnings Claim (1994 AEAP)														
Recorded Measurement Costs														
Recorded Resource Benefits, net														
Recorded PEB														
Recorded Earnings														
Earnings Distribution Share (3rd Claim)	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
Recorded Earnings (3rd Claim)														
Earnings Recovered from 1st and 2nd Claim														
Recorded Incremental Earnings														
Fourth Earnings Claim (1994 AEAP)														
Recorded Measurement Costs														
Recorded Resource Benefits, net														
Recorded PEB														
Recorded Earnings														
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Recorded Earnings (4th Claim)														
Earnings Recovered from 1st, 2nd, and 3rd Claim														
Recorded Incremental Earnings														
Total Earnings	887	81,288	812,884	8888	84	818,881	822	82,448	82,478	82,388	818,841	818,328	818,184	

Notes

- (1) For Program Year 1994, earnings for Residential and Non-Residential New Construction Programs include a variable share of earnings for new utility investment for contracts signed before 10/26/94. Reference A 81-11-024, 1993 Total Year General Rate Case Joint Recommendation between SDGE, DAA, and UCAR dated June 8, 1992, and adopted in B 82-12-018 dated December 8, 1992.
- (2) Commercial, Industrial, and Agricultural EEI Programs are combined in the forecast being under CEI. The forecast was filed for Residential WRI Programs.
- (3) Measurement costs (81,10%) and the load impact evaluation only.
- (4) Measurement costs are included in Recorded Performance Earnings Basis (81,10%), Recorded Earnings (81,10% \* 8.3 = 8200.3), and Earnings Claim for Recovery (81,10% \* 8.3 = 8828.1) only at the Partial.

Total, per B 84-10-054

SAN DIEGO GAS & ELECTRIC

Table E-1  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1996

	PERFORMANCE ADDER PROGRAMS								PA GRAND TOTAL	SS & PA GRAND TOTAL
	Energy Management Services Programs				Direct Assistance Programs			PA GRAND TOTAL		
	REMS	CEMS	EMS	AEMS	Total	Non-Mand	Mandatory			
Costs and Benefits For Earnings - Forecast (1)(000's \$)										
1 Measurement Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,340
2 Administration	\$1,530	\$2,454	\$0	\$0	\$3,984	\$563	\$685	\$1,249	\$5,233	\$10,333
3 Program Incentives	\$0	\$0	\$0	\$0	\$0	\$2,120	\$1,808	\$4,018	\$4,018	\$22,718
4 Program Costs	\$1,530	\$2,454	\$0	\$0	\$3,984	\$2,664	\$2,563	\$5,227	\$8,251	\$33,051
8 Incremental Measure Costs, net (IMC)	\$101	\$2,908	\$0	\$0	\$3,007	\$2,220	\$1,868	\$4,118	\$7,125	\$34,535
9 Resource Benefits, net (RBN)	\$513	\$4,125	\$0	\$0	\$4,638	\$1,818	\$1,329	\$3,245	\$7,863	\$72,863
Target Earnings										
16 Target Earnings Rate	5%	5%	5%	5%	5%	5%	N/A	5%	5%	24%
17 Performance Earnings Basis, at target (PEB)	\$1,530	\$2,454	\$0	\$0	\$3,984	\$2,664	N/A	\$2,664	\$6,007	\$46,737
18 Target Earnings	\$77	\$123	\$0	\$0	\$199	\$154	N/A	\$154	\$333	\$11,095
TRC BCR, with Earnings	0.30	0.73	0.00	0.00	0.00	0.68	0.00	0.59	0.82	1.30
UC BCR, with Earnings	0.32	1.80	0.00	0.00	0.00	0.68	0.00	0.80	0.82	1.65
First Earnings Claim: (1996 AEAP)										
Recorded Measurement Costs (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$208
Recorded Administration	\$1,098	\$0	\$0	\$0	\$1,098	\$651	\$505	\$1,156	\$2,252	\$12,062
Recorded Program Incentives	\$0	\$0	\$0	\$0	\$0	\$1,208	\$1,783	\$2,991	\$2,991	\$30,017
Recorded Incremental Measure Costs, net	\$223	\$0	\$0	\$0	\$223	\$864	\$1,468	\$2,333	\$2,556	\$50,823
Recorded Resource Benefits, net	\$242	\$0	\$0	\$0	\$242	\$844	\$0	\$844	\$1,188	\$183,222
Recorded PEB	\$1,098	\$0	\$0	\$0	\$1,098	\$1,860	N/A	\$1,860	\$2,958	\$137,030
Recorded PEB/PEB (%) (Minimum 75%)	71.83%	0.00%	0.00%	0.00%	27.51%	89.30%	N/A	89.30%	44.33%	293.19%
Recorded Earnings	\$45,865	\$0	\$0	\$0	\$46	\$110,227	N/A	\$110	\$182	\$36,188
TRC BCR, with Earnings	0.18	0.00	0.00	0.00	0.18	0.58	N/A	0.20	0.24	1.85
UC BCR, with Earnings	0.21	0.00	0.00	0.00	0.21	0.48	N/A	0.22	0.22	2.54
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$11	\$0	\$0	\$0	\$11	\$29	N/A	\$29	\$40	\$9,042
Second Earnings Claim:										
Recorded Measurement Costs (3)	\$22	\$45	\$28	\$8	\$102	\$15	\$0	\$15	\$117	\$1,011
Earnings Distribution Share	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for Second Claim	\$23	\$0	\$0	\$0	\$23	\$58	N/A	\$58	\$81	\$18,245
Earnings Recovered from First Claim	\$11	\$0	\$0	\$0	\$11	\$29	N/A	\$29	\$40	\$9,043
Recorded Incremental Earnings	\$11	\$0	\$0	\$0	\$11	\$29	N/A	\$29	\$40	\$9,202
Third Earnings Claim:										
Recorded Measurement Costs (3)										
Earnings Distribution Share	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for Third Claim										
Earnings Recovered from First and Second Claims										
Recorded Incremental Earnings										
Fourth Earnings Claim:										
Recorded Measurement Costs (3)										
Earnings Distribution Share	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for Fourth Claim										
Earnings Recovered from 1st, 2nd, and 3rd Claims										
Recorded Incremental Earnings										
Total Earnings	\$11	\$0	\$0	\$0	\$11	\$29	N/A	\$29	\$40	\$9,042

See footnotes at end of Appendix E

**SAN DIEGO GAS & ELECTRIC**

**Table E-2**  
**Recorded Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1995 Second Earnings Claim**  
**Program: RESIDENTIAL WEATHERIZATION RETROFIT INCENTIVES (RWRI)**  
 (in thousands of 1995 Dollars)

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Heating	Cooling	Total	Heating	Cooling	Heating	Cooling
1 Measurement Costs	\$ -	\$ -	\$ -	2,896	2,621	\$ -	\$ -
2 Administration	\$ 28	\$ 82	\$ 111	2,896	2,621	\$ 10	\$ 31
3 Program Incentives	\$ 211	\$ 615	\$ 826	2,896	2,621	\$ 73	\$ 235
4 Program Costs	\$ 240	\$ 697	\$ 937	2,896	2,621	\$ 83	\$ 266
5 Incremental Measure Costs, gross	\$ 211	\$ 615	\$ 826	2,896	2,621	\$ 73	\$ 235
6 Resource Benefits, gross	\$ 469	\$ 1,045	\$ 1,514	2,896	2,621	\$ 162	\$ 399
7 Net-to-Gross Ratio	1.00	1.00	1.00	2,896	2,621	NA	NA
8 Incremental Measure Costs, net	\$ 211	\$ 615	\$ 826	2,896	2,621	\$ 73	\$ 235
9 Resource Benefits, net	\$ 469	\$ 1,045	\$ 1,514	2,896	2,621	\$ 162	\$ 399
<b>Second Earnings Claim</b>							
Measurement Costs	\$ -	\$ -	\$ -	2,896	2,621	\$ -	\$ -
Revised Net Resource Benefits	\$ 469	\$ 1,045	\$ 1,514	2,896	2,621	\$ 162	\$ 399
<b>Third Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:  
 There are slight dollar differences when comparing totals with Table E-1 due to rounding.

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: RESIDENTIAL WEATHERIZATION RETROFIT INCENTIVES (RWRI)  
 (in thousands of 1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	Heating			Cooling		
	LW	LWh	Therms	LW	LWh	Therms
1995		38.29	37.87	0.222	352	
1996		38.29	37.87	0.222	352	
1997		38.29	37.87	0.222	352	
1998		38.29	37.87	0.222	352	
1999		38.29	37.87	0.222	352	
2000		38.29	37.87	0.222	352	
2001		38.29	37.87	0.222	352	
2002		38.29	37.87	0.222	352	
2003		38.29	37.87	0.222	352	
2004		38.29	37.87	0.222	352	
2005		20.51	17.81	0.113	159	
2006		20.51	17.81	0.113	159	
2007		20.51	17.81	0.113	159	
2008		20.51	17.81	0.113	159	
2009		20.51	17.81	0.113	159	
2010		20.51	17.81	0.113	159	
2011		20.51	17.81	0.113	159	
2012		20.51	17.81	0.113	159	
2013		20.51	17.81	0.113	159	
2014		20.51	17.81	0.113	159	
2015						
2016						
2017						
2018						
2019						
SUM (Retrofit)		587.98	554.75	0.222	5,902.48	
PV		26,304	136	133	265	

# of Units:  
 Resource Benefit (1000, gross):  
 Net to Gross Ratio:  
 Resource Benefit (1000, net):

Impact Study References  
 Study used for Forecast  
 Required 1st Yr II Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	Heating			Cooling		
	LW	LWh	Therms	LW	LWh	Therms
		2,896	2,895	2,821	2,821	
	1	76	393	1	855	
		1.00	1.00	1.00	1.00	
	1	76	393	1	855	
		Study ID #			Study ID #	
		N/A			N/A	
		N/A			N/A	
		N/A			N/A	
		N/A			N/A	

Notes:

(1) Values reported in lower section are used to calculate PV for each and are entered in a Top Down approach, i.e., RWRI PV multiplied by the number of units

SAN DIEGO GAS & ELECTRIC

Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs  
By End Use Element

Program Year: 1995 Second Earnings Claim

Program: RESIDENTIAL APPLIANCE EFFICIENCY INCENTIVES PROGRAM (RAEI)

(in thousands of 1995 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ dollars)		
	Lighting	Refrigeration	Misc	Total	Lighting	Refrigeration	Misc	Lighting	Refrigeration	Misc
1 Measurement Costs	\$ 83	\$ 11	\$ -	\$ 94	306,803	34,063	4,240	\$ 0.27	\$ 0.33	\$ -
2 Administration	\$ 284	\$ 258	\$ 77	\$ 619	306,803	34,063	4,240	\$ 0.93	\$ 7.56	\$ 0.02
3 Program Incentives	\$ 4,690	\$ 2,515	\$ 468	\$ 7,673	306,803	34,063	4,240	\$ 15.29	\$ 73.83	\$ 0.11
4 Program Costs	\$ 4,974	\$ 2,772	\$ 544	\$ 8,290	306,803	34,063	4,240	\$ 16.21	\$ 81.39	\$ 0.13
5 Incremental Measure Costs, gross	\$ 7,293	\$ 3,268	\$ 423	\$ 10,985	306,803	34,063	4,240	\$ 23.77	\$ 95.94	\$ 0.10
6 Resource Benefits, gross	\$ 18,313	\$ 6,760	\$ 1,702	\$ 26,775	306,803	34,063	4,240	\$ 59.63	\$ 198.47	\$ 0.40
7 Net to Gross Ratio	\$ 0.88	\$ 1.00	\$ 0.77	\$ 0.90	306,803	34,063	4,240	NA	NA	NA
8 Incremental Measure Costs, net	\$ 6,410	\$ 3,268	\$ 328	\$ 10,006	306,803	34,063	4,240	\$ 20.89	\$ 95.94	\$ 0.08
9 Resource Benefits, net	\$ 18,095	\$ 6,760	\$ 1,377	\$ 24,232	306,803	34,063	4,240	\$ 52.46	\$ 198.47	\$ 0.31
Second Earnings Claim										
Measurement Costs	\$ 34	\$ 25	\$ -	\$ 59	306,803	34,063	4,240	\$ 0.11	\$ 0.73	\$ -
Revised Net Resource Benefits	\$ 17,102	\$ 6,558	\$ 1,377	\$ 24,936	306,803	34,063	4,240	\$ 55.74	\$ 192.51	\$ 0.30
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										

Notes:

There are slight dollar differences when comparing totals with Table E-1 due to rounding



SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: RESIDENTIAL APPLIANCE EFFICIENCY INCENTIVES PROGRAM (RAEII)  
 (in thousands of 1995 Dollars)

Year	Forecast: Average Load Impacts Per Unit (Gross)								
	Lighting			Refrigeration			Misc		
	LW	kWh	Therma	LW	kWh	Therma	LW	kWh	Therma
1995	0.010	95.50		0.090	184.97		0.087	732	10.57
1996	0.010	95.50		0.090	184.97		0.087	732	10.57
1997	0.010	95.50		0.090	184.97		0.087	732	10.57
1998	0.010	95.50		0.090	184.97		0.087	732	10.57
1999	0.010	95.50		0.090	184.97		0.087	732	10.57
2000	0.010	95.50		0.090	184.97		0.087	732	10.57
2001	0.010	95.50		0.090	184.97		0.087	732	10.57
2002	0.010	95.50		0.090	184.97		0.087	732	10.57
2003	0.004	38.83		0.090	184.97		0.088	74	10.57
2004	0.004	38.83		0.090	184.97				
2005	0.004	38.83		0.090	184.97				
2006	0.004	38.83		0.090	184.97				
2007	0.004	38.83		0.090	184.97				
2008	0.004	38.83		0.090	184.97				
2009	0.004	38.83		0.090	184.97				
2010	0.004	38.83		0.090	184.97				
2011	0.004	38.83		0.090	184.97				
2012	0.004	38.83		0.090	184.97				
2013	0.004	38.83		0.090	184.97				
2014	0.004	38.83		0.090	184.97				
2015									
2016									
2017									
2018									
2019									
SUM (Average)	0.010	1,228.81		0.090	2,969.45		0.087	8,602.10	105.72
PV	S	37,774		87	132		21	345	20

# of Units: 308,803  
 Resource Benefit (1000, gross): 1,523  
 Net to Gross Ratio: 0.88  
 Resource Benefit (1000, net): 1,353

Impact Study References:  
 Study used for Forecast: 906  
 Required for 1st Claim: 920  
 Required Persistence, 2nd Claim: 921  
 Required Persistence, 3rd Claim: 922  
 Required Persistence, 4th Claim: 922

	Lighting			Refrigeration			Misc		
	LW	kWh	Therma	LW	kWh	Therma	LW	kWh	Therma
	308,803	308,803		34,083	34,083		4,240	4,240	4,240
	1,523	12,715		2,285	4,455		122	1,483	112
	0.88	0.88		0.97	0.97		0.75	0.75	0.75
	1,353	15,249		2,197	4,160		92	1,092	88
		Study 10 #			Study 10 # (1)				Study 10 #
		906			N/A				N/A
		920			914				956
		921			915				957
		922			916				958

Notes:  
 (1) The load impacts for CFL bulbs was modified using PY94 load impact evaluation results reported in Study 10 No. 920.  
 The load impacts for CFL fixtures is based on ex ante assumptions since Study 10 No. 920 results are not applicable to fixtures.

SAN DIEGO GAS & ELECTRIC

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: RESIDENTIAL NEW CONSTRUCTION PROGRAM (RNC)  
 (in thousands of 1995 Dollars)

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Conditioning	Misc	Total	Conditioning	Misc	Conditioning	Misc
1 Measurement Costs	\$ 40	\$ -	\$ 40	1,953	163	\$ 20.33	\$ -
2 Administration	\$ 88	\$ 13	\$ 99	1,953	163	\$ 44.01	\$ 78.34
3 Program Incentives	\$ 424	\$ 63	\$ 487	1,953	163	\$ 216.99	\$ 386.28
4 Program Costs	\$ 510	\$ 76	\$ 585	1,953	163	\$ 261.00	\$ 464.62
5 Incremental Measure Costs, gross	\$ 3,877	\$ 57	\$ 3,934	1,953	163	\$ 1,985.31	\$ 316.75
6 Resource Benefits, gross	\$ 479	\$ 71	\$ 550	1,953	163	\$ 245.38	\$ 436.82
7 Net to Gross Ratio	1.00	1.00	1.00	1,953	163	N/A	N/A
8 Incremental Measure Costs, net	\$ 3,877	\$ 57	\$ 3,934	1,953	163	\$ 1,985.31	\$ 316.75
9 Resource Benefits, net	\$ 479	\$ 71	\$ 550	1,953	163	\$ 245.38	\$ 436.82
Second Earnings Claim							
Measurement Costs	\$ 1	\$ -	\$ 1	1,953	163	\$ 0.29	\$ -
Revised Net Resource Benefits	\$ 726	\$ 53	\$ 779	1,953	163	\$ 371.48	\$ 327.61
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs							
Revised Net Resource Benefits							
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs							
Revised Net Resource Benefits							

Notes:  
 There are slight dollar differences when comparing totals with Table E-1 due to rounding.

SAN DIEGO GAS & ELECTRIC

Table E-3

Components of Resource Benefit Values

Program Year: 1995 Second Earnings Claim

Program: RESIDENTIAL NEW CONSTRUCTION PROGRAM (RNC)

(in thousands of 1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	Space Conditioning			Misc		
	LW	LWh	Therms	LW	LWh	Therms
1995	0.44	321.77	30.00	0.077	755.97	
1996	0.44	321.77	30.00	0.077	755.97	
1997	0.44	321.77	30.00	0.077	755.97	
1998	0.44	321.77	30.00	0.077	755.97	
1999	0.44	321.77	30.00	0.077	755.97	
2000	0.44	321.77	30.00	0.077	755.97	
2001	0.44	321.77	30.00	0.077	755.97	
2002	0.44	321.77	30.00	0.077	755.97	
2003	0.44	321.77	30.00	0.077	755.97	
2004	0.44	321.77	30.00	0.077	755.97	
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
SUM (Average)	0.444	3,217.73	300.00	0.077	7,559.70	
PV	170,215	182,815	75	25,826	407,181	

# of Units:  
 Resource Benefit (1000, gross)  
 Net to Gross Ratio:  
 Resource Benefit (1000, net)

Impact Study References  
 Study used for Forecast  
 Required 1st Yr EI Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	Space Conditioning			Misc		
	LW	LWh	Therms	LW	LWh	Therms
	1,953	1,953	1,953	163	163	
	333	370	155	5	66	
	0.81	0.89	1.10	0.25	0.15	
	270	285	120	4	50	
		Study ID #			Study ID #	
		N/A			N/A	
		932			932	
		933			933	
		934			934	

Notes:

(1) Values reported in lower section are used to calculate PV for each end use element in a "top-down" approach. I.E., PBg = PV multiplied by the number of units

SAN DIEGO GAS & ELECTRIC

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: COMMERCIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (CEEI)  
 (in thousands of 1995 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ dollars)		
	LIGHTING	HVAC	MISC	Total	LIGHTING	HVAC	MISC	LIGHTING	HVAC	MISC
1 Measurement Costs	NA	NA	\$	\$ 74	361,144,263	13,385,726	639	NA	NA	\$
2 Administration	\$ 4,683	\$ 847	\$ 788	\$ 6,416	361,144,263	13,385,726	639	\$ 0.01	\$ 0.03	\$ 1,459.58
3 Program Incentives	\$ 13,163	\$ 881	\$ 1,194	\$ 15,238	361,144,263	13,385,726	639	\$ 0.04	\$ 0.03	\$ 2,216.73
4 Program Costs	\$ 17,837	\$ 1,838	\$ 1,881	\$ 21,666	361,144,263	13,385,726	639	\$ 0.06	\$ 0.14	\$ 3,674.69
5 Incremental Measure Costs, gross	\$ 23,766	\$ 4,062	\$ 3,170	\$ 30,997	361,144,263	13,385,726	639	\$ 0.07	\$ 0.30	\$ 6,882.09
6 Resource Benefits, gross	\$ 103,841	\$ 18,846	\$ 18,466	\$ 131,262	361,144,263	13,385,726	639	\$ 0.29	\$ 1.12	\$ 26,839.09
7 Net to Gross Ratio	0.84	0.80	0.80	0.84	361,144,263	13,385,726	639	NA	NA	NA
8 Incremental Measure Costs, net	\$ 20,030	\$ 3,642	\$ 2,634	\$ 26,206	361,144,263	13,385,726	639	\$ 0.00	\$ 0.00	\$ 4.70
9 Resource Benefits, net	\$ 85,833	\$ 15,431	\$ 15,663	\$ 110,797	361,144,263	13,385,726	639	\$ 0.00	\$ 0.00	\$ 21.45
Second Earnings Claim										
Measurement Costs	NA	NA	\$	\$ 601	361,144,263	13,385,726	639	NA	NA	\$
Revised Net Resource Benefits	\$ 80,664	\$ 17,003	\$ 18,850	\$ 117,817	361,144,263	13,385,726	639	\$ 0.00	\$ 0.00	\$ 20.13
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										

Notes  
 There are slight dollar differences when comparing totals with Table E-1 due to rounding

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: COMMERCIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (CEEI)  
 (In thousands of 1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	LIGHTING			HVAC			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
1995	0.28	0.35	0.00	0.00	1.55	0.00	3.45	31,843.54	1,053.09
1996	0.28	0.35	0.00	0.00	1.55	0.00	3.45	31,328.53	1,015.77
1997	0.28	0.35	0.00	0.00	1.55	0.00	3.45	31,328.89	1,015.77
1998	0.28	0.35	0.00	0.00	1.55	0.00	3.45	31,328.89	1,015.77
1999	0.28	0.35	0.00	0.00	1.55	0.00	3.45	31,328.89	545.57
2000	0.27	0.34	0.00	0.00	1.55	0.00	3.45	31,328.89	545.57
2001	0.28	0.34	0.00	0.00	1.55	0.00	3.45	31,324.75	545.57
2002	0.28	0.34	0.00	0.00	1.55	0.00	3.45	31,324.75	545.57
2003	0.28	0.34	0.00	0.00	1.55	0.00	3.45	31,314.93	545.57
2004	0.28	0.33	0.00	0.00	1.52	0.00	3.45	29,875.85	545.57
2005	0.23	0.28	0.00	0.00	1.36	0.00	3.45	28,834.78	545.57
2006	0.23	0.28	0.00	0.00	1.36	0.00	3.45	28,734.17	545.57
2007	0.15	0.18	0.00	0.00	1.36	0.00	3.45	28,737.87	545.57
2008	0.15	0.17	0.00	0.00	1.36	0.00	3.45	28,737.87	545.57
2009	0.14	0.17	0.00	0.00	0.18	0.00	0.43	4,069.20	122.05
2010	0.14	0.17	0.00	0.00	0.18	0.00	0.43	4,069.27	122.05
2011	0.08	0.06	0.00	0.00	0.18	0.00	0.43	2,931.94	122.05
2012	0.08	0.06	0.00	0.00	0.18	0.00	0.43	2,851.14	122.05
2013	0.08	0.06	0.00	0.00	0.18	0.00	0.43	2,877.83	122.05
2014	0.05	0.06	0.00	0.00	0.18	0.00	0.43		
2015									
2016									
2017									
2018									
2019									
<b>Sum (Psych)</b>	<b>0.278</b>	<b>0.35</b>	<b>0.00</b>	<b>0.000</b>	<b>23.36</b>	<b>0.00</b>	<b>3.447</b>	<b>875,158.20</b>	<b>11,181.06</b>
<b>TV</b>	<b>0.188</b>	<b>0.00</b>	<b>0.00</b>	<b>0.000</b>	<b>0.001</b>	<b>0.000</b>	<b>2.274</b>	<b>21.848</b>	<b>2.848</b>

# of Units:  
 Resource Benefit (\$1000, gross):  
 Net to Cost Ratio:  
 Resource Benefit (\$1000, net):

Impact Study References:  
 Study used for Forecast:  
 Required 1st Year Study, 2nd Claim:  
 Required Persistence, 3rd Claim:  
 Required Persistence, 4th Claim:

	LIGHTING			HVAC			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
	91,488	351,144,783		12,385,725	12,385,725	12,385,725	539	539	539
	14,753	82,425		2,834	18,385	159	1,199	11,754	1,513
	0.43	0.93		0.98	0.98	0.91	0.75	0.75	0.75
	13,892	78,312		2,769	18,055	129	823	8,814	1,152
		Study ID #			Study ID #			Study ID #	
		903			N/A			N/A	
		959			959			959	
		960			960			960	
		961			961			961	

Notes:  
 (1) Per SDG&E and O&A agreement as stated in SDG&E's Revised Reply Testimony dated August 13, 1998 (Exhibit No. 8 at pp. 2-3), the Commercial Lighting Average Load Impact per Unit was determined based on the actual reduction. These revised load impacts will be used to calculate the realization rates in the first year load impact evaluation which will be the basis for SDG&E's FY95 savings.  
 (2) This table was revised to separate the combo end use into the lighting and HVAC end use and to account for measures that were reclassified from one end use to another.

SAN DIEGO GAS & ELECTRIC

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: INDUSTRIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (IEI)  
 (in thousands of 1995 Dollars)

	End Use Totals					Number of Units				Average Per Unit (\$ dollars)			
	LIGHTING	MOTORS	PROCESS	MISC	Total	LIGHTING	MOTORS	PROCESS	MISC	LIGHTING	MOTORS	PROCESS	MISC
1 Measurement Costs	NA	NA	NA	-	-	1,711	1,921	24	48	NA	NA	NA	-
2 Administration	0 111	0 12	0 381	0 170	0 674	1,711	1,921	24	48	0 64.89	0 8.88	0 15,966.72	0 3,705.12
3 Program Incentives	0 293	0 24	0 324	0 124	0 755	1,711	1,921	24	48	0 165.43	0 12.42	0 13,489.18	0 2,789.22
4 Program Costs	0 394	0 41	0 705	0 299	0 1,439	1,711	1,921	24	48	0 230.92	0 21.30	0 29,755.90	0 6,494.35
5 Incremental Measure Costs, gross	0 484	0 77	0 1,087	0 518	0 2,145	1,711	1,921	24	48	0 283.15	0 40.06	0 44,888.00	0 11,218.75
6 Resource Benefits, gross	0 2,248	0 183	0 4,870	0 3,182	0 11,664	1,711	1,921	24	48	0 1,313.84	0 95.48	0 252,813.05	0 68,745.25
7 Net-to-Gross Ratio	0 0.84	0 0.71	0 0.88	0 0.75	0 0.84	1,711	1,921	24	48	NA	NA	NA	NA
8 Incremental Measure Costs, net	0 407	0 55	0 943	0 368	0 1,792	1,711	1,921	24	48	0 237.95	0 28.54	0 29,274.43	0 8,427.05
9 Resource Benefits, net	0 1,899	0 121	0 5,361	0 2,378	0 9,757	1,711	1,921	24	48	0 1,104.13	0 68.04	0 223,378.24	0 51,647.73
Second Earnings Claim													
Measurement Costs	NA	NA	NA	-	0 109	1,711	1,921	24	48	NA	NA	NA	-
Revised Net Resource Benefits	0 1,401	0 53	0 4,199	0 2,372	0 8,024	1,711	1,921	24	48	0 818.01	0 27.47	0 174,927.81	0 51,558.84
Third Earnings Claim													
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim													
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:  
 There are slight dollar differences when comparing totals with Table E-1 due to rounding.

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: INDUSTRIAL ENERGY EFFICIENCY INCENTIVES PROGRAM (IEEP)  
 (\$ in thousands of 1995 Dollars)

Forecast: Average Load Impacts Per Unit (kWh)

Year	LIGHTING			MOTORS			PROCESS			MISC		
	LW	LWh	Theme	LW	LWh	Theme	LW	LWh	Theme	LW	LWh	Theme
1995	0.18	0.31		0.02	118.00		48.00	425,129.03	2,227.04	0.04	125,838.82	8,206.02
1996	0.18	0.31		0.02	118.00		48.00	425,129.03	2,227.04	0.04	125,838.82	8,206.02
1997	0.18	0.31		0.02	118.00		48.00	425,129.03	2,227.04	0.04	125,838.82	8,206.02
1998	0.18	0.31		0.02	118.00		48.00	425,129.03	2,227.04	0.04	125,838.82	8,206.02
1999	0.18	0.31		0.02	118.00		48.00	425,129.03	2,227.04	0.04	125,838.82	8,206.02
2000	0.18	0.29		0.02	118.00		44.50	358,514.03	2,227.04	0.04	125,838.82	8,206.02
2001	0.15	0.29		0.02	118.00		44.50	358,514.03	2,227.04	0.04	125,838.82	8,206.02
2002	0.15	0.29		0.02	118.00		44.50	358,514.03	2,227.04	0.04	125,838.82	8,206.02
2003	0.15	0.29		0.02	118.00		44.50	358,514.03	2,227.04	0.04	125,838.82	8,206.02
2004	0.14	0.29		0.02	118.00		44.50	358,514.03	2,227.04	0.04	125,838.82	8,206.02
2005	0.14	0.27		0.02	118.00		44.00	364,731.50	2,227.04	0.02	79,292.50	103.70
2006	0.14	0.27		0.02	118.00		44.00	364,731.50	2,227.04	0.02	79,292.50	103.70
2007	0.09	0.18		0.02	118.00		44.00	364,731.50	2,227.04	0.02	79,292.50	103.70
2008	0.08	0.18		0.02	118.00		44.00	364,731.50	2,227.04	0.02	79,292.50	103.70
2009	0.08	0.18		0.02	118.00		44.00	364,731.50	2,227.04	0.02	79,292.50	103.70
2010	0.04	0.08					0.40	81,484.22		4.27	28,815.87	24.71
2011	0.04	0.08					0.40	81,484.22		4.27	28,815.87	24.71
2012	0.04	0.08					0.40	81,484.22		4.27	28,815.87	24.71
2013	0.04	0.08					0.40	81,484.22		4.27	28,815.87	24.71
2014	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
2015	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
2016	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
2017	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
2018	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
2019	0.00	0.00					0.40	81,484.22		4.27	28,815.87	24.71
SUM (All Years)	0.155	0.64		0.02	1,748.00		48.00	4,511,720.58	33,406.00	0.04	1,302,822.81	8,781.04
CV	0	0		0	0		0	18	221	0	0	2

# of Units:  
 Resource Benefit (1000, gross):  
 Net to Gross Ratio:  
 Resource Benefit (1000, net):

	LIGHTING			MOTORS			PROCESS			MISC		
	LW	LWh	Theme	LW	LWh	Theme	LW	LWh	Theme	LW	LWh	Theme
	1,211	8,838,412		1,821	1,821		24	24	24	48	48	48
	157	1,412		28	158		422	8,300	100	318	2,754	87
	0.98	0.99		0.20	0.20		0.76	0.75	0.11	0.75	0.75	0.75
	140	1,202		2	46		287	3,878	22	227	2,000	85
Impact Study References:	Study ID #			Study ID #			Study ID #			Study ID #		
Study used for Forecast	903			N/A			N/A			N/A		
Required 1st Yr LI Study, 2nd Claim	902			902			902			902		
Required Persistence, 3rd Claim	903			903			903			903		
Required Persistence, 4th Claim	904			904			904			904		

Notes:  
 (1) This table was revised to account for measures that were reclassified from one end use to another.

SAN DIEGO GAS & ELECTRIC

Table E-2

Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995 Second Earnings Claim  
 Program: AGRICULTURAL ENERGY EFFICIENCY INCENTIVES PROGRAM (AEEI)  
 (in thousands of 1995 Dollars)

	End Use Totals				Number of Units			Average Per Unit (\$ doBase)		
	PUMPING	HEATING	MISC	Total	PUMPING	HEATING	MISC	PUMPING	SPACE HEATING	MISC
1 Measurement Costs	NA	NA	1	30	685	4	1	NA	NA	1
2 Administration	\$ 14	\$ 4	\$ 0	19	685	4	1	21.00	1,061.20	\$ 0.20
3 Program Incentives	\$ 9	\$ 3	\$ 0	13	685	4	1	13.27	775.00	\$ 0.35
4 Program Costs	\$ 23	\$ 3	\$ 1	31	685	4	1	34.27	1,836.20	\$ 0.55
5 Incremental Measure Costs, gross	\$ 32	\$ 63	\$ 101	94	685	4	1	45.81	15,710.15	\$ 10.50
6 Resource Benefits, gross	\$ 193	\$ 80	\$ 3	275	685	4	1	281.05	18,892.00	\$ 2.77
7 Net to Gross Ratio	0.88	0.75	1.00	0.84	685	4	1	NA	NA	NA
8 Incremental Measure Costs, net	\$ 28	\$ 47	\$ 101	75	685	4	1	41.06	11,782.61	\$ 10.50
9 Resource Benefits, net	\$ 169	\$ 60	\$ 3	231	685	4	1	246.54	14,919.00	\$ 2.77
Second Earnings Claim										
Measurement Costs	NA	NA	1	30	685	4	1	NA	NA	1
Revised Net Resource Benefits	\$ 74	\$ 22	\$ 2	98	685	4	1	108.00	5,433.78	\$ 2.08
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measurement Costs										
Revised Net Resource Benefits										

Notes

There are slight dollar differences when comparing totals with Table E-1 due to rounding



SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: AGRICULTURAL ENERGY EFFICIENCY INCENTIVES PROGRAM (AEEI)  
 (in thousands of 1995 Dollars)

Forecast: Average Load Impacts Per Unit (Gross)

Year	PUMPING			SPACE HEATING			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
1995	0.01	198.50				10578.00	0.34	2943.36	
1996	0.01	198.50				10578.00	0.34	2943.36	
1997	0.01	198.50				10578.00	0.34	2943.36	
1998	0.01	198.50				10578.00	0.34	2943.36	
1999	0.01	198.50				8778.03	0.34	2943.36	
2000	0.01	198.50				8778.03	0.34	2943.36	
2001	0.01	198.50				8778.03	0.34	2943.36	
2002	0.01	198.50				8778.03	0.34	2943.36	
2003	0.01	198.50				8778.03	0.34	2943.36	
2004	0.01	198.50				8778.03	0.34	2943.36	
2005	0.01	198.50				3781.68	0.34	2943.36	
2006	0.01	198.50				3781.68	0.34	2943.36	
2007	0.01	198.50				3781.68	0.34	2943.36	
2008	0.01	198.50				3781.68	0.34	2943.36	
2009	0.01	198.50				3781.68	0.34	2943.36	
2010							0.34	2943.36	
2011							0.34	2943.36	
2012							0.34	2943.36	
2013							0.34	2943.36	
2014							0.34	2943.36	
2015							0.34	2943.36	
2016							0.34	2943.36	
2017							0.34	2943.36	
2018							0.34	2943.36	
2019							0.34	2943.36	
AAD (Average)	0.015	2,977.50				113,888.60	0.338	58,887.20	
AV	0	0				0	0	0	

# of Units  
 Resource Benefit (\$000, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$000, net)

	PUMPING			SPACE HEATING			MISC		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
	885	685				4	1	1	
	8	92				29	0	3	
	0.75	0.75				0.75	0.75	0.75	
	5	63				22	0	2	
Impact Study References	Study ID #			Study ID #			Study ID #		
Study used for Forecast	305			N/A			N/A		
Required 1st Year Study, 2nd Claim	965			965			955		
Required Persistence, 3rd Claim	965			966			968		
Required Persistence, 4th Claim	967			967			967		

Notes  
 (1) This table was revised to reclassify the space heating measures from the miscellaneous end use to the space heating end use per the approved AEEI retroactive waiver dated

**SAN DIEGO GAS & ELECTRIC**

**Table E-2**

**Recorded Costs and Benefits for Shareholder Incentives Programs  
By End Use Element**

**Program Year: 1995 Second Earnings Claim**

**Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)**

**(in thousands of 1995 Dollars)**

	End Use Totals			Number of Units		Average Per Unit (\$ dollars)	
	Whole	MISC	Total	Whole	MISC	Whole	MISC
1 Measurement Costs	\$ 192	\$ -	\$ 192	285	44	\$ 674.84	\$ -
2 Administration	\$ 1,565	\$ 305	\$ 1,869	285	44	\$ 6,489.73	\$ 6.93
3 Program Incentives	\$ 1,704	\$ 332	\$ 2,036	285	44	\$ 6,977.43	\$ 7.65
4 Program Costs	\$ 3,268	\$ 637	\$ 3,905	285	44	\$ 11,467.16	\$ 14.48
5 Incremental Measure Costs, gross	\$ 4,403	\$ 858	\$ 5,260	285	44	\$ 16,447.38	\$ 19.60
6 Resource Benefits, gross	\$ 25,525	\$ 4,974	\$ 30,499	285	44	\$ 89,661.66	\$ 113.05
7 Net to Gross Ratio	0.87	0.78	0.85	285	44	NA	NA
8 Incremental Measure Costs, net	\$ 3,822	\$ 668	\$ 4,490	285	44	\$ 13,411.05	\$ 15.17
9 Resource Benefits, net	\$ 22,160	\$ 3,870	\$ 26,030	285	44	\$ 77,755.33	\$ 87.96
<b>Second Earnings Claim</b>							
Measurement Costs	\$ 192	\$ -	\$ 192	285	44	\$ 674.84	\$ -
Revised Net Resource Benefits	\$ 20,478	\$ 3,731	\$ 24,209	285	44	\$ 71,853.88	\$ 84.79
<b>Third Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes:**

There are slight dollar differences when comparing totals with Table E-1 due to rounding.

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995 Second Earnings Claim  
 Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)  
 (in thousands of 1995 Dollars)

Year	WHOLE			MISC		
	LW	LWh	Therms	LW	LWh	Therms
1995	28.09	159,045.81				30,408.24
1996	28.09	159,045.81				30,408.24
1997	28.09	159,045.81				30,408.24
1998	28.09	159,044.83				30,408.24
1999	28.09	159,044.83				30,408.24
2000	25.34	142,887.15				30,408.24
2001	25.05	144,860.48				30,408.24
2002	25.05	144,860.48				30,408.24
2003	24.19	142,140.30				30,408.24
2004	23.54	138,018.80				30,408.24
2005	23.34	133,885.19				30,408.24
2006	23.14	133,758.90				30,408.24
2007	23.28	133,426.58				30,408.24
2008	23.28	133,426.58				30,408.24
2009	18.90	112,935.81				30,408.24
2010	18.17	92,652.92				
2011	3.22	20,130.90				
2012	3.22	20,130.90				
2013	3.18	19,909.07				
2014	3.17	19,883.95				
2015						
2016						
2017						
2018						
2019						
SUM R./decycle	28.09	2,291,003.84				458,423.58
PV	18.26	168.78				113.05

# of Units:  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio:  
 Resource Benefit (\$1000, net)

Impact Study References  
 Study used for Forecast  
 Required 1st Yr LI Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	WHOLE			MISC		
	LW	LWh	Therms	LW	LWh	Therms
	285	285				44
	6,834	30,432				6,874
	0.58	0.58				0.75
	2,704	12,872				3,721
		Study ID #			Study ID #	
		N/A			N/A	
		971			971	
		972			972	
		973			973	

Notes:  
 (1) This table was revised to consolidate all individual end uses into a whole building end use as specified in the M&E protocols.

A.97-05-002 et al ALJ/MEG/bwg

**San Diego Gas & Electric Company**

**PY94 Second Earnings Claim  
E-Tables**



SAN DIEGO GAS & ELECTRIC

Table E-1  
Earnings Claim Summary Table: Performance Adder Programs  
Program Year: 1994

	PERFORMANCE ADDER PROGRAMS								PA GRAND TOTAL	SS & PA GRAND TOTAL
	Energy Management Services Programs					Direct Assistance Programs				
	REMS	CEMS	EEMS	AEMS	Total	Non Mand	Mandatory	Total		
<b>Costs and Benefits For Earnings - Forecast (\$1,000's \$)</b>										
1 Measurement Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,997
2 Administration	\$1,530	\$2,520	\$0	\$0	\$4,050	\$518	\$994	\$1,510	\$5,500	\$12,311
3 Program Incentives	\$0	\$0	\$0	\$0	\$0	\$1,113	\$2,844	\$3,753	\$3,757	\$25,990
4 Program Costs	\$1,530	\$2,520	\$0	\$0	\$4,050	\$1,829	\$3,838	\$5,287	\$9,317	\$37,701
8 Incremental Measure Costs, net (IMCn)	\$99	\$3,914	\$0	\$0	\$4,043	\$1,484	\$2,718	\$4,200	\$8,243	\$42,321
9 Personal Benefits, net (PBn)	\$737	\$8,838	\$0	\$0	\$7,575	\$543	\$1,817	\$2,460	\$10,035	\$81,018
<b>Target Earnings</b>										
16 Target Earnings Rate	5%	0%	0%	0%	5%	5%	N/A	5%	5%	11%
17 Performance Earnings Basis, at target (PEB)	\$1,530	\$2,520	\$0	\$0	\$4,050	\$1,829	N/A	\$1,829	\$5,600	\$38,940
18 Target Earnings	\$77	\$0	\$0	\$0	\$203	\$81	N/A	\$81	\$264	\$4,360
TRC BCR, with Earnings	0.43	1.06	0.00	0.00	0.91	0.26	0.00	0.42	0.71	1.37
UC BCR, with Earnings	0.45	2.77	0.00	0.00	1.78	0.37	0.00	0.46	1.05	1.93
<b>First Earnings Claim (1995 AEAP)</b>										
Recorded Measurement Costs (3)	\$8	\$0	\$0	\$0	\$8	\$0	\$26	\$26	\$33	\$33
Recorded Administration	\$1,258	\$0	\$0	\$0	\$1,258	\$338	\$687	\$1,025	\$2,281	\$9,389
Recorded Program Incentives	\$0	\$0	\$0	\$0	\$0	\$1,910	\$2,189	\$4,099	\$4,099	\$20,787
Recorded Incremental Measure Costs, net	\$341	\$0	\$0	\$0	\$341	\$1,810	\$2,189	\$4,099	\$4,440	\$32,862
Recorded Resource Benefits, net	\$1,100	\$0	\$0	\$0	\$1,100	\$518	\$2,018	\$2,533	\$3,833	\$109,818
Recorded PEB	\$1,258	\$0	\$0	\$0	\$1,258	\$2,248	N/A	\$2,248	\$3,504	\$88,057
Recorded PEB/PEB (%) (Minimum 75%)	82.10%	0.00%	0.00%	0.00%	31.02%	137.87%	N/A	137.87%	81.70%	221.00%
Recorded Earnings	\$63	\$0	\$0	\$0	\$63	\$112	N/A	\$112	\$175	\$8,985
TRC BCR, with Earnings	0.66	0.00	0.00	0.00	0.66	0.22	N/A	0.43	0.53	2.14
UC BCR, with Earnings	0.83	0.00	0.00	0.00	0.83	0.22	N/A	0.48	0.55	2.81
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$18	\$0	\$0	\$0	\$18	\$28	N/A	\$28	\$44	\$2,246
<b>Second Earnings Claim (1996 AEAP, 1997 AEAP)</b>										
Recorded Measurement Costs (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$709
Earnings Distribution Share	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for Second Claim	\$31	\$0	\$0	\$0	\$31	\$58	N/A	\$58	\$58	\$3,862
Earnings Recovered from First Claim	\$18	\$0	\$0	\$0	\$18	\$28	N/A	\$28	\$44	\$2,246
Recorded Incremental Earnings	\$18	\$0	\$0	\$0	\$18	\$28	N/A	\$28	\$44	\$1,718
<b>Third Earnings Claim</b>										
Recorded Measurement Costs (3)										
Earnings Distribution Share	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for Third Claim										
Earnings Recovered from First and Second Claims										
Recorded Incremental Earnings										
<b>Fourth Earnings Claim</b>										
Recorded Measurement Costs (3)										
Earnings Distribution Share	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for Fourth Claim										
Earnings Recovered from 1st, 2nd, and 3rd Claims										
Recorded Incremental Earnings										
<b>Total Earnings</b>	<b>\$18</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18</b>	<b>\$28</b>	<b>N/A</b>	<b>\$28</b>	<b>\$44</b>	<b>\$1,718</b>

See footnotes at end of Appendix E

**SAN DIEGO GAS & ELECTRIC**

**Table E-2**  
**Recorded Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1994 Second Earnings Claim**  
**Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)**  
**(in thousands of 1994 Dollars)**

	End Use Totals			Number of Units		Avg Per Unit (\$)	
	Building	Misc	Total	Whole Building	Misc	Building	Misc
1 Measurement Costs	\$ -	\$ -	\$ -	117	13	\$ -	\$ -
2 Administration	\$ 1,403	\$ 4	\$ 1,407	117	13	\$ 11,991.89	\$ 315.20
3 Program Incentives	\$ 1,949	\$ 1	\$ 1,950	117	13	\$ 16,659.89	\$ 79.78
4 Program Costs	\$ 3,352	\$ 5	\$ 3,357	117	13	\$ 28,651.79	\$ 394.97
5 Incremental Measure Costs, gross	\$ 5,079	\$ 1	\$ 5,081	117	13	\$ 43,413.61	\$ 98.48
6 Resource Benefits, gross	\$ 18,926	\$ 1,655	\$ 20,581	117	13	\$ 161,763.42	\$ 127,284.48
7 Net-to-Gross Ratio	0.58	0.75	0.60	117	13	NA	NA
8 Incremental Measure Costs, net	\$ 2,966	\$ 1	\$ 2,967	117	13	\$ 25,353.55	\$ 73.86
9 Resource Benefits, net	\$ 16,801	\$ 1,494	\$ 18,295	117	13	\$ 0.63	\$ 114,911.17
<b>Second Earnings Claim</b>							
Measurement Costs	\$ 400	\$ -	\$ 400	117		\$ 3,420.78	\$ -
Revised Net Resource Benefits	\$ 11,053	\$ 1,241	\$ 12,294	117	13	\$ 94,469.84	\$ 95,463.36
<b>Third Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Measurement Costs	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes:**

Lighting Units = per sq ft of lighted area

HVAC Units = per sq ft of conditioned space

Misc Units = # of jobs

There are slight dollar differences when comparing totals with Table E-1 due to rounding.

SAN DIEGO GAS & ELECTRIC

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994 Second Earnings Claim  
 Program: NONRESIDENTIAL NEW CONSTRUCTION PROGRAM (NRNC)  
 (in thousands of 1994 Dollars)

Year	Forecast: Average Load Impacts Per Unit (Gross)					
	Whole Building			Misc		
	LW	kWh	Therms	LW	kWh	Therms
1994	28.09	159,045.81		13.73	168,890.25	1402.89
1995	28.09	159,045.81		13.73	168,890.25	1402.89
1996	24.64	143,938.06		13.73	168,890.25	1402.89
1997	24.64	143,938.06		13.73	168,890.25	1402.89
1998	24.64	143,938.06		13.73	168,890.25	1402.89
1999	24.52	143,338.31		13.73	168,890.25	1402.89
2000	24.52	143,361.78		13.84	168,154.94	1402.89
2001	24.52	143,255.90		13.84	168,154.94	1402.89
2002	23.78	139,788.24		13.84	168,154.94	1402.89
2003	23.54	137,375.85		13.84	168,154.94	1402.89
2004	23.45	136,393.34		13.84	168,154.94	1402.89
2005	22.88	132,045.73		13.84	168,154.94	1402.89
2006	22.81	129,339.24		13.84	168,154.94	1402.89
2007	22.81	129,339.24		13.84	168,154.94	1402.89
2008	22.52	128,349.18		13.84	168,154.94	1402.89
2009	11.02	90,844.81		10.83	35,154.09	
2010	0.71	42,508.18		10.83	35,154.09	
2011	0.71	42,382.87		10.83	35,154.09	
2012	0.71	42,382.87		10.83	35,154.09	
2013	0.71	42,382.33		10.83	35,154.09	
2014						
2015						
2016						
2017						
2018						
2019 (Acceptable)	28.088	2,272,508.97		13.728	2,672,508.44	18,040.38
PV	24,935.032	137,228.384		19,022.049	117,727.313	11,485

# of Units  
 Resource Benefit (\$1000, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$1000, net)

Impact Study References  
 Study used for Forecast  
 Required 1st Yr II Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	Whole			Misc		
	LW	kWh	Therms	LW	kWh	Therms
	112	117		13	13	13
	2,811	18,058		143	1,530	119
	0.584	0.584		0.350	0.350	0.350
	1,878	9,377		107	1,148	112
	Study ID #			Study ID #		
	N/A			N/A		
	971			N/A		
	972			N/A		
	973			N/A		

Notes:  
 (1) This table was revised to consolidate all individual end uses into a whole building and use as specified in the MSE protocols per the approved PY94 retrospective waiver dated 2/19/9



A.97-05-002 et al ALJ/MEG/bwg

**Southern California Edison Company**

**PY96 First Earnings Claim  
E-Tables**

Table E-1  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1996  
(\$1996)

	SHARED SAVINGS PROGRAMS (\$000)												Portfolio Total w/IC	Grand Total w/IC & S Curve
	Retrofit Energy Efficiency Incentives Program					New Construction					Portfolio			
	RAEI	CEEI	IEEI	AEI	Total [1]	Res.	Nonres. S Curve	Nonres. PEB	Total	Residential	Nonres.	Total		
<b>Costs and Benefits for Programs - Forecast</b>														
1. Measurement Costs	\$ 125	\$ 115	\$ 46	\$ 13	\$ 299	\$ 0	\$ 0	\$ 0	\$ 0	\$ 125	\$ 114	\$ 299	\$ 299	\$ 299
2. Administrative	\$ 1,609	\$ 2,231	\$ 938	\$ 370	\$ 5,148	\$ 65	\$ 383	\$ 38	\$ 490	\$ 1,609	\$ 3,583	\$ 5,192	\$ 5,192	\$ 5,579
3. Program Incentives	\$ 4,708	\$ 6,553	\$ 2,882	\$ 500	\$ 14,643	\$ 315	\$ 1,878	\$ 455	\$ 2,618	\$ 4,708	\$ 10,340	\$ 15,048	\$ 15,048	\$ 16,946
4. Program Costs (Admin + Incentives)	\$ 6,311	\$ 8,799	\$ 3,820	\$ 870	\$ 19,791	\$ 380	\$ 2,285	\$ 444	\$ 3,109	\$ 6,311	\$ 13,924	\$ 20,241	\$ 20,241	\$ 22,526
5. Incremental Measure Costs, net (S/W)	\$ 3,404	\$ 9,831	\$ 2,937	\$ 1,691	\$ 17,863	\$ 156	\$ 3,059	\$ 2,163	\$ 4,378	\$ 3,404	\$ 15,622	\$ 19,026	\$ 19,026	\$ 22,685
6. Resource Benefits, net (P/E)	\$ 6,919	\$ 21,054	\$ 7,715	\$ 3,046	\$ 38,734	\$ 286	\$ 5,481	\$ 1,736	\$ 3,503	\$ 6,919	\$ 33,551	\$ 40,470	\$ 40,470	\$ 45,951
<b>Target Earnings</b>														
16. Target Earnings Rate (ICR)	0.30	0.30	0.30	0.30	0.30	0	9.11	0.30	-	-	-	-	-	-
17. Performance Earnings (Res. at target ICR)	\$ 1,471	\$ 10,079	\$ 3,858	\$ 1,382	\$ 16,790	\$ 0	\$ 2,616	\$ 2,067	\$ 4,682	\$ 1,471	\$ 12,385	\$ 18,857	\$ 18,558	\$ 21,133
18. Target Earnings	\$ 441	\$ 3,024	\$ 1,558	\$ 418	\$ 5,031	\$ 0	\$ 210	\$ 620	\$ 830	\$ 441	\$ 5,216	\$ 5,657	\$ 5,657	\$ 5,867
ICR to R. with Earnings	1.24	1.34	1.52	1.22	1.37	1.29	1.50	0.95	1.32	1.24	1.36	1.34	1.34	1.36
ICR to R. with Earnings	1.01	1.27	1.54	2.33	1.54	0.35	2.20	1.63	1.91	1.01	1.74	1.54	1.54	1.60
<b>First Earnings Claim (1997 AFAP)</b>														
Revised Measurement Costs	\$ 53	\$ 1,148	\$ 922	\$ 32	\$ 2,153	\$ 0	\$ 12	\$ 21	\$ 0	\$ 53	\$ 2,125	\$ 2,177	\$ 2,177	\$ 2,189
Revised Administrative	\$ 1,218	\$ 915	\$ 1,371	\$ 13	\$ 3,579	\$ 53	\$ 183	\$ 336	\$ 972	\$ 1,218	\$ 3,097	\$ 4,315	\$ 4,315	\$ 4,498
Revised Program Incentives	\$ 3,870	\$ 5,716	\$ 10,793	\$ 120	\$ 21,499	\$ 263	\$ 1,504	\$ 1,330	\$ 3,099	\$ 3,870	\$ 20,959	\$ 24,829	\$ 24,829	\$ 26,333
Revised Incremental Measure Costs, net	\$ 3,153	\$ 9,078	\$ 11,000	\$ 614	\$ 23,823	\$ 121	\$ 2,237	\$ 3,670	\$ 6,528	\$ 3,153	\$ 24,344	\$ 27,497	\$ 27,497	\$ 30,234
Revised Resource Benefits, net	\$ 7,503	\$ 29,437	\$ 41,008	\$ 2,459	\$ 79,467	\$ 240	\$ 5,207	\$ 6,874	\$ 12,321	\$ 7,503	\$ 38,838	\$ 46,341	\$ 46,341	\$ 51,548
Revised ICR	\$ 2,893	\$ 19,578	\$ 28,764	\$ 936	\$ 52,170	na	\$ 2,903	\$ 3,248	\$ 6,151	\$ 2,893	\$ 52,556	\$ 55,418	\$ 53,241	\$ 56,145
Revised ICR ICR (ICR/Aluminum S/W)	197%	194%	246%	18%	311%	na	na	151%	131%	197%	302%	294%	287%	265%
S/Wave Excl. Up Value	na	na	na	na	na	na	1.11	na	na	na	na	na	na	na
Revised Earnings	\$ 868	\$ 3,873	\$ 8,629	\$ 281	\$ 15,651	\$ 0	\$ 323	\$ 974	\$ 1,297	\$ 868	\$ 13,358	\$ 16,626	\$ 15,972	\$ 16,295
ICR to R. with Earnings	1.43	1.95	1.96	1.50	1.85	1.38	1.61	1.28	1.40	1.43	1.83	1.78	1.73	1.72
ICR to R. with Earnings	1.26	1.90	1.97	1.08	1.86	0.35	2.59	2.26	2.29	1.26	1.98	1.89	1.83	1.86
Earnings Distribution Share (ICR Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Revised ICR Claim	\$ 217	\$ 1,408	\$ 2,157	\$ 70	\$ 3,913	\$ 0	\$ 81	\$ 244	\$ 324	\$ 217	\$ 3,939	\$ 4,156	\$ 3,993	\$ 4,074
<b>Second Earnings Claim</b>														
Revised Resource Benefits, net														
Revised ICR														
Revised Earnings														
Earnings Distribution Share (ICR Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Revised Earnings (ICR Claim)														
Earnings Recovered from IC Claim														
Revised Incremental Earnings														
<b>Third Earnings Claim</b>														
Revised Resource Benefits, net														
Revised ICR														
Revised Earnings														
Earnings Distribution Share (ICR Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Revised Earnings (ICR Claim)														
Earnings Recovered from IC and 2nd Claim														
Revised Incremental Earnings														
<b>Fourth Earnings Claim</b>														
Revised Resource Benefits, net														
Revised ICR														
Revised Earnings														
Earnings Distribution Share (ICR Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Revised Earnings (ICR Claim)														
Earnings Recovered from IC, 2nd and 3rd Claim														
Revised Incremental Earnings														
<b>Total Shared Savings Earnings</b>	\$ 217	\$ 1,408	\$ 2,157	\$ 70	\$ 3,913	\$ 0	\$ 81	\$ 244	\$ 324	\$ 217	\$ 3,939	\$ 4,156	\$ 3,993	\$ 4,074

[1] - Nonresidential DSM Bidding Pilot results are included in CEEI and IEEI. Pilot results were: \$6,212 million in savings with a PEB of \$20,887 million (415% of forecasted PEB, \$5,015 million).

[2] - EEI programs achieved: \$1,913 million in savings with a PEB of \$19,710 million (149% of forecasted PEB, \$12,834 million).

Table E-1, Continued  
 Earnings Claim Summary Table: Shared Savings Programs  
 Program Year: 1996  
 (\$1996)

	PERFORMANCE ADDER PROGRAMS (\$000)								TOTAL	SS & PA GRAND TOTAL
	Energy Management Services Programs				Direct Assistance Programs					
	REAS	CEAS	IEAS	AEAS	Total	Non Mand.	Mandatory	Total		
<b>Costs and Benefits for Earnings - Forecasts</b>										
1 Measurement Costs	\$ 25	\$ 212	\$ 229	\$ 43	\$ 550	\$ 35	\$ 25	\$ 60	\$ 610	\$ 909
2 Administrative	\$ 1,821	\$ 5,945	\$ 4,427	\$ 2,279	\$ 14,472	\$ 2,128	\$ 376	\$ 2,504	\$ 16,976	\$ 22,555
3 Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,019	\$ 826	\$ 4,839	\$ 4,839	\$ 21,715
4 Program Costs	\$ 1,821	\$ 5,945	\$ 4,427	\$ 2,279	\$ 14,472	\$ 6,141	\$ 1,202	\$ 7,343	\$ 21,815	\$ 44,341
5 Incremental Measure Costs, net (RM/CI)	\$ 0	\$ 17,048	\$ 13,413	\$ 4,231	\$ 34,696	\$ 2,665	\$ 826	\$ 3,491	\$ 38,187	\$ 60,272
6 Resource Benefits, net (RM/CI)	\$ 251	\$ 32,150	\$ 32,731	\$ 6,487	\$ 71,619	\$ 4,204	\$ 187	\$ 4,391	\$ 76,050	\$ 121,961
<b>Target Earnings</b>										
16 Target Earnings Rate (TER)	5%	5%	5%	5%	5%	5%	na	na	na	na
17 Performance Earnings Rate, at target (PEER)	na	na	na	na	na	na	na	na	na	\$ 18,558
18 Target Earnings	\$ 91	\$ 297	\$ 221	\$ 114	\$ 724	\$ 307	\$ 0	\$ 307	\$ 1,031	\$ 6,897
TR/TER, with Earnings	0.13	1.31	1.29	0.97	1.42	0.82	0.15	0.69	1.34	1.35
TR/PEER, with Earnings	0.11	4.98	6.32	2.66	4.55	0.65	0.15	0.51	3.24	2.34
<b>Final Earnings Claim (1997 AEAP)</b>										
Received Measurement Costs	\$ 61	\$ 60	\$ 98	\$ 32	\$ 253	\$ 48	\$ 48	\$ 95	\$ 348	\$ 2,537
Received Administration	\$ 1,660	\$ 4,291	\$ 4,810	\$ 2,126	\$ 13,368	\$ 2,320	\$ 204	\$ 2,525	\$ 15,913	\$ 20,411
Received Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,019	\$ 1,035	\$ 5,108	\$ 5,108	\$ 31,441
Received Incremental Measure Costs, net	\$ 0	\$ 16,250	\$ 12,336	\$ 4,136	\$ 28,822	\$ 2,892	\$ 862	\$ 3,751	\$ 32,576	\$ 62,810
Received Resource Benefits, net	\$ 451	\$ 36,334	\$ 25,688	\$ 6,244	\$ 68,691	\$ 4,785	\$ 185	\$ 4,970	\$ 73,661	\$ 145,213
Received IIR	na	na	na	na	na	na	na	na	na	\$ 53,241
Received IIR/IEIR Incentives (15%)	na	na	na	na	na	na	na	na	na	287%
Received Earnings	\$ 100	\$ 267	\$ 200	\$ 85	\$ 652	\$ 301	\$ 0	\$ 301	\$ 956	\$ 13,251
TR/TER, with Earnings	0.26	1.70	1.91	0.93	1.60	0.87	0.11	0.75	1.49	1.64
TR/PEER, with Earnings	0.26	1.11	1.11	2.82	1.81	0.71	0.15	0.63	3.35	2.39
Earnings Distributed Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim Received (1st Claim)	\$ 25	\$ 67	\$ 50	\$ 21	\$ 163	\$ 76	\$ 0	\$ 76	\$ 239	\$ 4,313
<b>Second Earnings Claim</b>										
Received Resource Benefits, net										
Received IIR										
Received Earnings										
Earnings Distributed Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Received Earnings (2nd Claim)										
Earnings Received from 1st Claim										
Received Incremental Earnings										
<b>Third Earnings Claim</b>										
Received Resource Benefits, net										
Received IIR										
Received Earnings										
Earnings Distributed Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Received Earnings (3rd Claim)										
Earnings Received from 1st and 2nd Claim										
Received Incremental Earnings										
<b>Fourth Earnings Claim</b>										
Received Resource Benefits, net										
Received IIR										
Received Earnings										
Earnings Distributed Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Received Earnings (4th Claim)										
Earnings Received from 1st, 2nd and 3rd Claim										
Received Incremental Earnings										
<b>Total Earnings</b>	\$ 25	\$ 67	\$ 50	\$ 21	\$ 163	\$ 76	\$ 0	\$ 76	\$ 239	\$ 4,313

Southern California Edison

Table E-2  
 Recorded Costs and  
 Benefits for Shareholder Incentives Programs  
 By End-Use Element  
 Program Year: 1996  
 Program: Residential Appliance Efficiency Incentives  
 (\$1996, in thousands)

	End Use Totals			Number of Units		Average Per Unit	
	Refrigeration	Space Conditioning	Total	Refrigeration	Space Conditioning	Refrigeration	Space Conditioning
<b>First Earnings Claim</b>							
1 Measurement Costs (Lifecycle)	\$ 53	\$ 0	\$ 53	26,901	\$67	\$0.00	\$0.00
2 Administration	\$ 958	\$ 260	\$ 1,218	26,901	\$67	\$0.04	\$0.46
3 Program Incentives	\$ 3,839	\$ 31	\$ 3,870	26,901	\$67	\$0.14	\$0.05
4 Program Costs (1.2 + 1.3)	\$ 4,797	\$ 291	\$ 5,088	26,901	\$67	\$0.18	\$0.51
5 Incremental Measure Costs, gross	\$ 3,137	\$ 16	\$ 3,153	26,901	\$67	\$0.12	\$0.03
6 Resource Benefits, gross	\$ 7,463	\$ 40	\$ 7,503	26,901	\$67	\$0.28	\$0.07
7 Net-to-Gross Ratio	1.00	1.00	1.00	na	na	na	na
8 Incremental Measure Costs, net	\$ 3,137	\$ 16	\$ 3,153	26,901	\$67	\$0.12	\$0.03
9 Resource Benefits, net	\$ 7,463	\$ 40	\$ 7,503	26,901	\$67	\$0.28	\$0.07
<b>Second Earnings Claim</b>							
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Third Earnings Claim</b>							
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes

Designated Unit of Measurement ("DUOM") Conversions -

Refrigeration = number of refrigerators.

Space conditioning = number of dwelling units

Lighting = kWh/amp.

Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Residential Appliance Efficiency Incentives  
 (\$1996)

Average Load Impacts Per Unit (Gross)

Year	Refrigeration		Space Conditioning	
	kWh	kW	kWh	kW
1996	1,538.08	0.32	138.00	0.25
1997	1,538.08	0.32	138.00	0.25
1998	1,538.08	0.32	138.00	0.25
1999	1,538.08	0.32	138.00	0.25
2000	1,538.08	0.32	138.00	0.25
2001	1,538.08	0.32	138.00	0.25
2002			138.00	0.25
2003			138.00	0.25
2004			138.00	0.25
2005			138.00	0.25
2006			138.00	0.25
2007			138.00	0.25
2008			138.00	0.25
2009			138.00	0.25
2010			138.00	0.25
2011			138.00	0.25
2012			138.00	0.25
2013				
2014				
2015				
<b>SUM (lifecycle)</b>	<b>9,228.46</b>	<b>0.32</b>	<b>2,346.00</b>	<b>0.25</b>
<b>PV</b>	<b>\$ 259</b>	<b>\$ 19</b>	<b>\$ 55</b>	<b>\$ 16</b>

	Refrigeration		Space Conditioning	
	kWh	kW	kWh	kW
# of Units	26,901	26,901	567	567
Resource Benefit (\$000, gross)	\$ 6,964	\$ 500	\$ 31	\$ 9
Net-to-Gross Ratio	1.00	1.00	1.00	1.00
Resource Benefit (\$000, net)	\$ 6,964	\$ 500	\$ 31	\$ 9
Impact Study References:				
Study used for Forecast	1118500		1118512	
Required 1st IIV Study, 2nd Claim	1118537		1118563	
Required Persistence, 3rd Claim	n/a		1118564	
Required Persistence, 4th Claim	n/a		1118565	

Notes:  
 Values reported in lower section are used to calculate PV for each end use element in a bottom-up approach, i.e., PV = RB/# of units.

Southern California Edison

Table E-2  
 Recorded Costs and  
 Benefits for Shareholder Incentives Programs  
 By End-Use Element  
 Program Year: 1996  
 Program: Residential New Construction  
 (\$1996, in thousands)

		End Use Totals		Number of Units	Average Per Unit
		Whole House	Total	Whole House	Whole House
<b>First Earnings Claim</b>					
1	Measurement Costs (Lifecycle)	\$ 11	\$ 11	441	\$ 0.02
2	Administration	\$ 53	\$ 53	441	\$ 0.12
3	Program Incentives	\$ 265	\$ 265	441	\$ 0.60
4	Program Costs (1.2 + 1.3)	\$ 318	\$ 318	441	\$ 0.72
5	Incremental Measure Costs, gross	\$ 121	\$ 121	441	\$ 0.27
6	Resource Benefits, gross	\$ 240	\$ 240	441	\$ 0.54
7	Net-to-Gross Ratio	1.00	1.00	na	na
8	Incremental Measure Costs, net	\$ 121	\$ 121	441	\$ 0.27
9	Resource Benefits, net	\$ 240	\$ 240	441	\$ 0.54
<b>Second Earnings Claim Revised Net Resource Benefits</b>		N/A	N/A	N/A	N/A
<b>Third Earnings Claim Revised Net Resource Benefits</b>		N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim Revised Net Resource Benefits</b>		N/A	N/A	N/A	N/A

Notes:

Designated Unit of Measurement ("DUOM") Conversions -  
 Space conditioning = number of dwelling units.

Southern California Edison

Table D-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Residential New Construction  
 (\$1996)

Year	Average Load Impacts Per Unit (Gross)	
	kWh	kW
1996	981.39	0.53
1997	981.39	0.53
1998	981.39	0.53
1999	981.39	0.53
2000	981.39	0.53
2001	981.39	0.53
2002	981.39	0.53
2003	981.39	0.53
2004	981.39	0.53
2005	981.39	0.53
2006	981.39	0.53
2007	981.39	0.53
2008	981.39	0.53
2009	981.39	0.53
2010	981.39	0.53
2011	981.39	0.53
2012	981.39	0.53
2013	981.39	0.53
2014	981.39	0.53
2015	981.39	0.53
SUM (14kyears)	13,646.50	0.53
PV	\$ 331	\$ 213

# of Units  
 Resource Benefit (\$000, gross)  
 Net-to-Gross Ratio  
 Resource Benefit (\$000, net)

	Whole House	
	kWh	kW
# of Units	411	411
Resource Benefit (\$000, gross)	\$ 146	\$ 94
Net-to-Gross Ratio	1.00	1.00
Resource Benefit (\$000, net)	\$ 146	\$ 94
Impact Study References:		
Study used for Forecast	11/76	
Required 1st IIV Study, 2nd Claim	Waiver	
Required Persistence, 3rd Claim	Waiver	
Required Persistence, 4th Claim	Waiver	

Notes:

Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV=RB/# of units.

**Table E-2**  
**Recorded Costs and**  
**Benefits for Shareholder Incentives Programs**  
**By End-Use Element**  
**Program Year: 1996**  
**Program: Nonresidential Energy Efficiency Incentives - Commercial**  
**(\$1996, in thousands)**

	End Use Totals				Number of Units			Average Per Unit		
	Lighting	Misc.	Space Conditioning	Total	Lighting	Misc.	Space Conditioning	Lighting	Misc.	Space Conditioning
<b>First Earnings Claim</b>										
1 Measurement Costs (Lifecycle)	\$ 617	\$ 56	\$ 474	\$ 1,148	109,747,873	13	77,127,323	\$ 0.00	\$ 4.32	\$ 0.00
2 Administration	\$ 441	\$ 37	\$ 417	\$ 915	109,747,873	13	77,127,323	\$ 0.00	\$ 4.41	\$ 0.00
3 Program Incentives	\$ 6,178	\$ 85	\$ 2,453	\$ 8,717	109,747,873	13	77,127,323	\$ 0.00	\$ 6.54	\$ 0.00
4 Program Costs (L2 + L3)	\$ 6,619	\$ 142	\$ 2,870	\$ 9,631	109,747,873	13	77,127,323	\$ 0.00	\$ 10.95	\$ 0.00
5 Incremental Measure Costs, gross	\$ 6,124	\$ 358	\$ 3,561	\$ 10,043	109,747,873	13	77,127,323	\$ 0.00	\$ 27.56	\$ 0.00
6 Resource Benefits, gross	\$ 19,218	\$ 1,455	\$ 12,301	\$ 32,974	109,747,873	13	77,127,323	\$ 0.00	\$ 111.92	\$ 0.00
7 Net-to-Gross Ratio	0.86	0.80	0.95	0.89	na	na	na	na	na	na
8 Incremental Measure Costs, net	\$ 5,297	\$ 287	\$ 3,373	\$ 8,956	109,747,873	13	77,127,323	\$ 0.00	\$ 22.04	\$ 0.00
9 Resource Benefits, net	\$ 16,622	\$ 1,164	\$ 11,651	\$ 29,437	109,747,873	13	77,127,323	\$ 0.00	\$ 89.54	\$ 0.00
<b>Second Earnings Claim</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits										
<b>Third Earnings Claim</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits										
<b>Fourth Earnings Claim</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits										

Notes:  
 Designated Unit of Measurement ("DUOM") Conversions -  
 Lighting = kWh/Sqft.  
 Misc. = No. of Projects  
 Space conditioning = kWh/Sqft.  
 Includes results from the Nonresidential Bidding Pilot.



Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Nonresidential Energy Efficiency Incentives - Commercial  
 (\$1996)

Year	Lighting		Misc.		Space Conditioning	
	kWh	kW	kWh	kW	kWh	kW
1996	0.47	0.00	315,582.82	13.21	0.44	0.00
1997	0.47	0.00	315,582.82	13.21	0.44	0.00
1998	0.47	0.00	315,582.82	13.21	0.44	0.00
1999	0.47	0.00	315,582.82	13.21	0.44	0.00
2000	0.47	0.00	315,582.82	13.21	0.44	0.00
2001	0.47	0.00	315,582.82	13.21	0.44	0.00
2002	0.47	0.00	315,582.82	13.21	0.44	0.00
2003	0.47	0.00	315,582.82	13.21	0.44	0.00
2004	0.47	0.00	315,582.82	13.21	0.44	0.00
2005	0.47	0.00	315,582.82	13.21	0.44	0.00
2006	0.47	0.00	315,582.82	13.21	0.44	0.00
2007	0.47	0.00	315,582.82	13.21	0.44	0.00
2008			315,582.82	13.21	0.44	0.00
2009			315,582.82	13.21	0.44	0.00
2010			315,582.82	13.21	0.44	0.00
2011					0.44	0.00
2012						
2013						
2014						
2015						
SUM (Lifecycle)	5.60	0.00	4,733,742.31	13.21	7.11	0.00
PV	\$ 0	\$ 0	\$ 108,888	\$ 3,066	\$ 0	\$ 0

	Lighting		Misc.		Space Conditioning	
	kWh	kW	kWh	kW	kWh	kW
# of Units:	109,747,873	109,747,873	13	13	77,127,323	77,127,323
Resource Benefit (\$000, gross):	\$ 17,010	\$ 2,207	\$ 1,416	\$ 40	\$ 11,646	\$ 655
Net-to-Gross Ratio:	0.86	0.86	0.80	0.80	0.95	0.95
Resource Benefit (\$000, net):	\$ 14,712	\$ 1,909	\$ 1,132	\$ 32	\$ 11,031	\$ 621
Impact Study References:						
Study used for Forecast	ID# 87,88,92		ID# 87,88,92		ID# 87,88,92	
Required 1st LIY Study, 2nd Claim	ID# 540		ID# 540		ID# 540	
Required Persistence, 3rd Claim	ID# 553		ID# 553		ID# 553	
Required Persistence, 4th Claim	ID# 558		ID# 558		ID# 558	

Notes:  
 Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV-RB/# of units.

Table E-3  
 Recorded Costs and  
 Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Nonresidential Energy Efficiency Incentives - Industrial  
 (\$1996, in thousands)

	End Use Totals					Number of Units				Average Per Unit			
	Lighting	Process	Space Conditioning	Motors	Total	Lighting	Process	Space Conditioning	Motors	Lighting	Process	Space Conditioning	Motors
<b>First Earnings Chain</b>													
1 Measurement Costs (Lifecycle)	\$ 336	\$ 287	\$ 88	\$ 18	\$ 729	119,491,734	84	31,738,424	236	\$ 0.00	\$ 3.42	\$ 0.06	\$ 0.04
2 Administration	\$ 439	\$ 734	\$ 197	\$ 4	\$ 1,374	119,491,734	84	31,738,424	236	\$ 0.00	\$ 8.73	\$ 0.00	\$ 0.02
3 Program Incentives	\$ 2,906	\$ 2,841	\$ 678	\$ 174	\$ 6,599	119,491,734	84	31,738,424	236	\$ 0.00	\$ 24.30	\$ 0.00	\$ 0.74
4 Program Costs (L1 + L3)	\$ 3,345	\$ 3,774	\$ 867	\$ 178	\$ 12,163	119,491,734	84	31,738,424	236	\$ 0.00	\$ 33.93	\$ 0.00	\$ 0.75
5 Incremental Measure Costs, gross	\$ 2,424	\$ 4,924	\$ 1,846	\$ 127	\$ 13,524	119,491,734	84	31,738,424	236	\$ 0.00	\$ 58.62	\$ 0.00	\$ 0.54
6 Resource Benefits, gross	\$ 22,907	\$ 22,147	\$ 6,309	\$ 364	\$ 31,727	119,491,734	84	31,738,424	236	\$ 0.00	\$ 263.63	\$ 0.00	\$ 1.34
7 Net-to-Gross Ratio	0.83	0.72	0.74	1.00	0.79	119,491,734	84	31,738,424	236	na	na	na	na
8 Incremental Measure Costs, net	\$ 1,199	\$ 3,768	\$ 369	\$ 117	\$ 10,863	119,491,734	84	31,738,424	236	\$ 0.00	\$ 44.85	\$ 0.00	\$ 0.34
9 Resource Benefits, net	\$ 19,119	\$ 16,946	\$ 4,639	\$ 364	\$ 41,868	119,491,734	84	31,738,424	236	\$ 0.00	\$ 201.74	\$ 0.00	\$ 1.34
<b>Second Earnings Chain</b>													
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Third Earnings Chain</b>													
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Chain</b>													
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes  
 Designated Unit of Measurement ("DUOM") Conversions -  
 Lighting = kWh/Sqft  
 Process = No. of Projects  
 Space conditioning = kWh/Sqft  
 Motors = kWh/HP  
 Includes results from Nonresidential DSM Bidding Pilot

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Nonresidential Energy Efficiency Incentives - Industrial  
 (\$1996)

Average Load Impacts Per Unit (Gross)

Year	Lighting		Process		Space Conditioning		Motors	
	kWh	kW	kWh	kW	kWh	kW	kWh	kW
1996	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
1997	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
1998	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
1999	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2000	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2001	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2002	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2003	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2004	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2005	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2006	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2007	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2008	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2009	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2010	0.472	0.000	738,457.35	32.73	0.44	0.00	3,970.36	0.55
2011					0.44	0.00		
2012								
2013								
2014								
2015								
SUM (Lifecycle)	7.08	0.00	11,076,860.21	32.73	7.05	0.00	59,555.43	0.55
PV	\$ 0	\$ 0	\$ 256,312	\$ 7,354	\$ 0	\$ 0	\$ 1,424	\$ 118

	Lighting		Process		Space Conditioning		Motors	
	kWh	kW	kWh	kW	kWh	kW	kWh	kW
# of Units:	119,491,734	119,491,734	84	84	37,738,424	37,738,424	236	236
Resource Benefit (\$000, gross):	\$ 20,154	\$ 2,753	\$ 21,530	\$ 618	\$ 6,071	\$ 237	\$ 336	\$ 28
Net-to-Gross Ratio:	0.83	0.83	0.77	0.77	0.74	0.74	1.00	1.00
Resource Benefit (\$000, net):	\$ 16,821	\$ 2,298	\$ 16,474	\$ 473	\$ 4,464	\$ 174	\$ 336	\$ 28
Impact Study References:								
Study used for Forecast	ID# 95		ID# 95		ID# 95		ID# 95	
Required 1st LIY Study, 2nd CI	ID# 541		ID# 541		ID# 541		ID# 541	
Required Persistence, 3rd Claim	ID# 553		ID# 553		ID# 553		ID# 553	
Required Persistence, 4th Claim	ID# 558		ID# 558		ID# 558		ID# 558	

Notes:  
 Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV=RB/# of units.

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Table E.2  
Recorded Costs and  
Benefits for Shareholder Incentives Program  
By End Use Element  
Program Year: 1996  
Program: Nonresidential Energy Efficiency Incentives - Agricultural  
(\$1996, in thousands)

End Use Element	End Use Totals				Number of Units			Average Per Unit		
	Pumping	Space Conditioning	Process	Total	Pumping	Space Conditioning	Process	Pumping	Space Conditioning	Process
	1 Measured Costs (1 day, 1)	\$ 21	\$ 3	\$ 0	\$ 32	14,170	2,815,716	1	\$ 0.00	\$ 0.00
2 A Branch Item	\$ 56	\$ 14	\$ 1	\$ 73	14,170	2,815,716	1	\$ 0.00	\$ 0.00	\$ 0.62
3 Program Incentives	\$ 101	\$ 17	\$ 2	\$ 120	14,170	2,815,716	1	\$ 0.01	\$ 0.00	\$ 2.00
4 Program Costs (1 2 + 3)	\$ 157	\$ 33	\$ 3	\$ 193	14,170	2,815,716	3	\$ 0.01	\$ 0.00	\$ 2.62
5 Incremental Measure Costs, gross	\$ 56	\$ 100	\$ 6	\$ 162	14,170	2,815,716	3	\$ 0.04	\$ 0.00	\$ 0.92
6 Resource Benefits, gross	\$ 1,263	\$ 365	\$ 13	\$ 1,639	14,170	2,815,716	1	\$ 0.09	\$ 0.00	\$ 13.48
7 Net to Shareholder	\$ 0.83	\$ 0.84	\$ 0.83	\$ 0.84	NA	NA	NA	NA	NA	NA
8 Incremental Measure Costs, net	\$ 522	\$ 84	\$ 5	\$ 611	14,170	2,815,716	1	\$ 0.04	\$ 0.00	\$ 3.36
9 Resource Benefits, net	\$ 1,222	\$ 323	\$ 12	\$ 1,557	14,170	2,815,716	1	\$ 0.08	\$ 0.00	\$ 12.00
Second Year Incentive Costs Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Third Year Incentive Costs Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fourth Year Incentive Costs Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:  
1. Units of Measurement (1000) Conversion -  
Pumping - kWh per 1000 kWh pumped  
2. NA - number of projects

Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Nonresidential Energy Efficiency Incentives - Agricultural  
 (\$1996)

Year	Average Load Impacts Per Unit (Gross)					
	Pumping		Space Conditioning		Process	
	kWh	kW	kWh	kW	kWh	kW
1996	257.76	0.00	0.36		32,869.41	6.22
1997	257.76	0.00	0.36		32,869.41	6.22
1998	257.76	0.00	0.36		32,869.41	6.22
1999	257.76	0.00	0.36		32,869.41	6.22
2000	257.76	0.00	0.36		32,869.41	6.22
2001	257.76	0.00	0.36		32,869.41	6.22
2002	257.76	0.00	0.36		32,869.41	6.22
2003	257.76	0.00	0.36		32,869.41	6.22
2004	257.76	0.00	0.36		32,869.41	6.22
2005	257.76	0.00	0.36		32,869.41	6.22
2006	257.76	0.00	0.36		32,869.41	6.22
2007	257.76	0.00	0.36		32,869.41	6.22
2008	257.76	0.00	0.36		32,869.41	6.22
2009	257.76	0.00	0.36		32,869.41	6.22
2010	257.76	0.00	0.36		32,869.41	6.22
2011						
2012						
2013						
2014						
2015						
SUM (lifetime)	3,866.40	0.00	5.36		493,041.17	6.22
PV	\$ 28,231	\$ 44	\$ 130	\$	\$ 11,731,093	\$ 1,426,912

	Pumping		Space Conditioning		Process	
	kWh	kW	kWh	kW	kWh	kW
# of Units	14,270	14,270	2,815,716	2,815,716	1	1
Resource Benefit (\$000, gross)	\$ 1,259,018	\$ 626	\$ 365,719	\$ 0	\$ 11,731	\$ 1,427
Net-to-Gross Ratio	0.89	0.89	0.89	0.89	0.89	0.89
Resource Benefit (\$000, net)	\$ 1,120,553	\$ 557	\$ 329,420	\$ 0	\$ 10,441	\$ 1,270
Impact Study References						
Study used for Forecast	1104 91		n/a		n/a	
Required 1st IIV Study, 2nd Claim	1104 542		n/a		n/a	
Required Persistence, 3rd Claim	1104 553		n/a		n/a	
Required Persistence, 4th Claim	1104 558		n/a		n/a	

Notes  
 Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV = RB/# of units.

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**Table E-2**  
**Recorded Costs and**  
**Benefits for Shareholder Incentives Programs**  
**By End-Use Element**  
**Program Year: 1996**  
**Program: Nonresidential New Construction**  
**(\$1996, in thousands)**

		End Use Totals	Number of Units	Average Per Unit
		Whole Building	Whole Building	Whole Building
<b>First Earnings Claim</b>				
1	Measurement Costs (Lifecycle)	\$ 37	1,772,387	\$ 0.00
2	Administration	\$ 919	1,772,387	\$ 0.00
3	Program Incentives	\$ 2,834	1,772,387	\$ 0.00
4	Program Costs (1.2 + 1.3)	\$ 3,753	1,772,387	\$ 0.00
5	Incremental Measure Costs, gross	\$ 7,280	1,772,387	\$ 0.00
6	Resource Benefits, gross	\$ 13,728	1,772,387	\$ 0.01
7	Net-to-Gross Ratio	0.88	na	na
8	Incremental Measure Costs, net	\$ 6,406	1,772,387	\$ 0.00
9	Resource Benefits, net	\$ 12,081	1,772,387	\$ 0.01
<b>Second Earnings Claim</b> Revised Net Resource Benefits		N/A	N/A	N/A
<b>Third Earnings Claim</b> Revised Net Resource Benefits		N/A	N/A	N/A
<b>Fourth Earnings Claim</b> Revised Net Resource Benefits		N/A	N/A	N/A

Notes:  
 Designated Unit of Measurement ("DUOM") Conversion -  
 load impacts/whole building

Southern California Edison

**Table E-3**  
**Components of Resource Benefit Values**  
**Program Year: 1996**  
**Program: Nonresidential New Construction**  
**(\$1996)**

Year	Average Load Impacts Per Unit (Gross)	
	LWh	LW
1996	21.69	0.01
1997	21.69	0.01
1998	21.69	0.01
1999	21.69	0.01
2000	21.69	0.01
2001	21.69	0.01
2002	21.69	0.01
2003	21.69	0.01
2004	21.69	0.01
2005	21.69	0.01
2006	21.69	0.01
2007		
2008		
2009		
2010		
2011		
2012		
2013		
2014		
2015		
<b>SUM (Lifecycle)</b>	<b>218.57</b>	<b>0.01</b>
<b>PV</b>	<b>\$ 6</b>	<b>\$ 2</b>

	Whole Building	
	LWh	LW
# of Units:	1,772,387	1,772,387
Resource Benefit (\$000, gross)	\$ 10,908	\$ 2,819
Net-to-Gross Ratio:	0.88	0.88
Resource Benefit (\$000, net)	\$ 9,599	\$ 2,481
Impact Study References:		
Study used for Forecast	#101	
Required 1st I.Y. Study, 2nd Claim	#543	
Required Persistence, 3rd Claim	#554	
Required Persistence, 4th Claim	#559	

**Notes:**

Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV = RB \* # of units

Table E-4  
 Earnings Claim Summary Table: Performance Adder Programs  
 Program Year: 1996  
 (\$1996)

	Direct Assistance (Non-Mandatory)	Residential BMS	Commercial EMS	Industrial BMS	Agricultural BMS	
a	Electricity Expenditures (\$000)	\$ 6,395	\$ 1,660	\$ 4,791	\$ 4,810	\$ 2,126
b	Electricity Savings (mWh)	21,776	9,696	90,279	68,636	16,677
c	Electricity Program Cost Ratio (a/b)	0.29	0.17	0.05	0.07	0.13
d	Previous Year's Electricity Program Cost Ratio	0.28	0.23	0.06	0.06	0.06
e	Relative Electricity Program Cost Ratio (c/d)	1.05	0.74	0.88	1.17	2.12
f	Gas Expenditures (\$000)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
g	Gas Savings (therms)	0	0	0	0	0
h	Gas Program Cost Ratio (f/g)	0.00	0.00	0.00	0.00	0.00
i	Previous Year's Gas Program Cost Ratio	0.00	0.00	0.00	0.00	0.00
j	Relative Gas Program Cost Ratio (h/i)	0.00	0.00	0.00	0.00	0.00
k	Total Expenditures (a+f)	\$ 6,395	\$ 1,660	\$ 4,791	\$ 4,810	\$ 2,126
l	Performance factor $[e^*(a/k)+j^*(l/k)]$	1.05	0.80	0.88	1.17	2.12
m	Performance factor (2-1)	0.95	1.20	1.12	0.83	0.80
n	Lifecycle Earnings (\$000) $[k^*.05^*l]$	\$ 304	\$ 100	\$ 267	\$ 200	\$ 85

[1] - Per Edison 1995 GRC Decision, attrition rates are not applied to program years 1995-1997.



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**Southern California Edison Company**

**PY95 Second Earnings Claim  
E-Tables**

Table E-1  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1995  
(\$1995, thousands)

	SHARED SAVINGS PROGRAMS (\$000)												
	Retrofit Energy Efficiency Incentives Program						New Construction				Partials		
	RAEE	CEEI	LEEI	AEEL	NR Bldg. [1]	Total [1]	Res.	Nonres. S. Curve	Nonres. PEB	Total	Residential	Nonres. [1]	Total [1]
<b>Costs and Benefits for Earnings - Forecast</b>													
1. Measurement Costs	\$ 123	\$ 115	\$ 66	\$ 13	\$ 0	\$ 299	\$ 0	\$ 0	\$ 0	\$ 0	\$ 123	\$ 174	\$ 299
2. Administrative	\$ 1,299	\$ 254	\$ 263	\$ 0	\$ 938	\$ 1,715	\$ 165	\$ 387	\$ 36	\$ 390	\$ 1,399	\$ 454	\$ 1,853
3. Program Incentives	\$ 2,701	\$ 728	\$ 728	\$ 29	\$ 2,824	\$ 4,186	\$ 1,490	\$ 2,688	\$ 254	\$ 4,442	\$ 2,701	\$ 1,749	\$ 4,450
4. Program Costs (Admin + Incentives)	\$ 4,060	\$ 932	\$ 931	\$ 38	\$ 3,762	\$ 5,901	\$ 1,655	\$ 3,075	\$ 302	\$ 3,833	\$ 4,000	\$ 2,303	\$ 6,303
5. Incremental Measure Costs, net (IMCn)	\$ 2,301	\$ 766	\$ 766	\$ 37	\$ 3,074	\$ 3,846	\$ 1,707	\$ 4,635	\$ 454	\$ 6,796	\$ 2,301	\$ 2,301	\$ 4,604
6. Resource Benefits, net (RBN)	\$ 4,849	\$ 1,255	\$ 1,379	\$ 72	\$ 10,331	\$ 0,185	\$ 2,415	\$ 10,154	\$ 996	\$ 15,575	\$ 4,849	\$ 4,201	\$ 9,050
<b>Target Earnings</b>													
(a) Target Earnings Rate (TER)	0.30	0.30	0.30	0.30	0.30	-	0.09	0.09	0.30	-	-	-	-
(b) Performance Earnings Rate, at target (PER)	\$ 1,811	\$ 685	\$ 590	\$ 16	\$ 6,903	\$ 2,329	\$ 454	\$ 6,506	\$ 563	\$ 9,313	\$ 1,811	\$ 1,656	\$ 3,466
(c) Target Earnings	\$ 317	\$ 265	\$ 117	\$ 5	\$ 1,921	\$ 639	\$ 0	\$ 282	\$ 170	\$ 452	\$ 317	\$ 491	\$ 809
TER Dr. R. with Earnings	1.21	1.36	1.28	1.13	1.02	1.25	1.30	1.91	1.50	1.73	1.21	1.31	1.27
PER Dr. R. with Earnings	0.14	1.40	1.26	1.29	1.02	1.19	1.47	3.02	2.13	2.48	0.14	1.46	1.24
<b>Final Earnings Claim (1996 AEP)</b>													
Revised Measurement Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Revised Administrative	\$ 148	\$ 322	\$ 0	\$ 0	\$ 473	\$ 770	\$ 137	\$ 268	\$ 29	\$ 456	\$ 448	\$ 351	\$ 799
Revised Program Incentives	\$ 2,640	\$ 62	\$ 0	\$ 0	\$ 3,022	\$ 4,202	\$ 135	\$ 2,343	\$ 265	\$ 3,443	\$ 2,640	\$ 327	\$ 2,967
Revised Incremental Measure Costs, net	\$ 413	\$ 665	\$ 0	\$ 0	\$ 1,565	\$ 3,370	\$ 812	\$ 4,212	\$ 241	\$ 5,373	\$ 413	\$ 928	\$ 3,400
Revised Resource Benefits, net	\$ 9,503	\$ 1,318	\$ 0	\$ 0	\$ 6,526	\$ 10,826	\$ 1,232	\$ 10,442	\$ 376	\$ 12,240	\$ 9,503	\$ 1,891	\$ 11,473
Revised TER	\$ 4,573	\$ 526	\$ 0	\$ 0	\$ 4,402	\$ 5,106	\$ 152	\$ 6,876	\$ 265	\$ 7,406	\$ 4,573	\$ 814	\$ 5,387
Revised TER PER (%) (Minimum 5%)	14%	7%	0%	0%	6%	20%	100%	na	50%	10%	40%	6%	20%
5-Contingency Value	na	na	na	na	na	na	100%	na	na	na	na	na	na
Revised Earnings	\$ 1,373	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,373	\$ 0	\$ 454	\$ 0	\$ 454	\$ 1,373	\$ 454	\$ 1,827
TER Dr. R. with Earnings	1.38	1.19	0.00	0.00	2.81	1.43	1.26	3.88	1.99	1.96	1.48	1.30	1.43
PER Dr. R. with Earnings	1.55	2.41	0.00	0.00	2.81	1.53	1.26	3.42	1.96	2.83	1.45	2.22	1.54
Earnings by Adoption Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim by Earnings (1st Claim)	\$ 313	\$ 0	\$ 0	\$ 0	\$ 0	\$ 313	\$ 0	\$ 113	\$ 0	\$ 113	\$ 313	\$ 113	\$ 427
<b>Second Earnings Claim</b>													
Revised Resource Benefits, net	\$ 7,824	\$ 1,313	\$ 0	\$ 0	\$ 6,526	\$ 14,878	\$ 1,232	\$ 7,013	\$ 376	\$ 8,614	\$ 7,824	\$ 1,694	\$ 9,518
Revised TER	\$ 2,821	\$ 526	\$ 0	\$ 0	\$ 4,402	\$ 7,553	\$ 252	\$ 4,830	\$ 172	\$ 4,903	\$ 2,821	\$ 611	\$ 3,472
Revised Earnings	\$ 84	\$ 0	\$ 0	\$ 0	\$ 0	\$ 84	\$ 0	\$ 28	\$ 0	\$ 28	\$ 84	\$ 28	\$ 112
Earnings by Adoption Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Revised Earnings (for 2nd Claim)	\$ 42	\$ 0	\$ 0	\$ 0	\$ 0	\$ 42	\$ 0	\$ 14	\$ 0	\$ 14	\$ 42	\$ 14	\$ 56
Earnings by Earnings (for 2nd Claim)	\$ 313	\$ 0	\$ 0	\$ 0	\$ 0	\$ 313	\$ 0	\$ 113	\$ 0	\$ 113	\$ 313	\$ 113	\$ 427
Revised Incremental Earnings	\$ 80	\$ 0	\$ 0	\$ 0	\$ 0	\$ 80	\$ 0	\$ 199	\$ 0	\$ 199	\$ 80	\$ 199	\$ 279
<b>Third Earnings Claim</b>													
Revised Resource Benefits, net													
Revised TER													
Revised Earnings													
Earnings by Adoption Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Revised Earnings (for 3rd Claim)													
Earnings by Earnings (for 3rd Claim)													
Revised Incremental Earnings													
<b>Fourth Earnings Claim</b>													
Revised Resource Benefits, net													
Revised TER													
Revised Earnings													
Earnings by Adoption Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Revised Earnings (for 4th Claim)													
Earnings by Earnings (for 4th Claim)													
Revised Incremental Earnings													
<b>Total Shared Savings Earnings</b>	\$ 423	\$ 0	\$ 0	\$ 0	\$ 0	\$ 423	\$ 0	\$ 14	\$ 0	\$ 14	\$ 423	\$ 14	\$ 438

[1] Due to the different methodology applied to Nonres. DSM Building Pkg program, AEPs do not include the cost or benefits from this program.

Table E-1  
 Earnings Claim Summary Table: Shared Savings Programs  
 Program Year: 1995  
 (\$1995, thousands)

	PERFORMANCE AWARD PROGRAMS (\$000)						PA & SS
	Energy Management Services Programs						Grand
	REMS	CEMS	IFMS	AEMS	Nonman. DA	Total	Total
<b>Costs and Benefits for Earnings - Forecasts</b>							
1 Measurement Costs	\$ 800	\$ 430	\$ 430	\$ 150	\$ 110	\$ 1,920	\$ 2,110
2 Administrative	\$ 1,000	\$ 6,200	\$ 3,700	\$ 2,700	\$ 790	\$ 13,290	\$ 17,140
3 Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 810	\$ 810	\$ 5,260
4 Program Costs	\$ 2,000	\$ 6,200	\$ 3,700	\$ 2,700	\$ 1,600	\$ 14,200	\$ 22,400
5 Extensional Measure Costs, net (EMCN)	\$ 0	\$ 8,800	\$ 5,150	\$ 3,650	\$ 540	\$ 18,190	\$ 22,460
6 Revenue Benefits, net (RFB)	\$ (1,300)	\$ 29,100	\$ 23,000	\$ 5,900	\$ 1,460	\$ 58,130	\$ 67,331
<b>Target Earnings</b>							
7a Target Earnings Rate (TER)	5%	5%	5%	5%	5%	5%	5%
7b Performance Earnings Base, at target (PERPB)	\$ 30	\$ 155	\$ 93	\$ 60	\$ 113	\$ 560	\$ 2,076
8a Target Earnings	10.4%	1.8%	2.4%	0.9%	0.8%	1.4%	1.5%
8b RFB/TER, with Earnings	10.4%	4.2%	5.4%	2.0%	0.7%	3.1%	2.5%
<b>1995 Earnings Claim (1995 AEAP)</b>							
Revised Measurement Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Revised Administrative	\$ 1,170	\$ 5,665	\$ 4,551	\$ 1,181	\$ 1,793	\$ 13,274	\$ 16,073
Revised Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,570	\$ 2,570	\$ 3,317
Revised Extensional Measure Costs, net	\$ 0	\$ 10,312	\$ 10,615	\$ 3,780	\$ 1,821	\$ 31,518	\$ 36,948
Revised Revenue Benefits, net	\$ 359	\$ 37,894	\$ 33,954	\$ 10,681	\$ 4,918	\$ 81,900	\$ 93,372
Revised IIR	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,391
Revised IIR (10%) (Abatement 75%)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Revised Earnings	\$ 37	\$ 177	\$ 155	\$ 37	\$ 186	\$ 592	\$ 2,110
TER/TER, with Earnings	0.20	1.3%	2.6%	2.1%	1.0%	1.6%	1.9%
TER/TER, with Earnings	0.20	5.6%	6.6%	2.3%	0.9%	4.4%	3.5%
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$ 9	\$ 44	\$ 39	\$ 9	\$ 47	\$ 148	\$ 65
<b>Second Earnings Claim</b>							
Revised Revenue Benefits, net	\$ 110	\$ 33,541	\$ 29,678	\$ 8,258	\$ 4,814	\$ 81,680	\$ 94,464
Revised IIR	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,472
Revised Earnings	\$ 37	\$ 177	\$ 155	\$ 37	\$ 186	\$ 592	\$ 1,360
Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%
Revised Earnings (for 2nd Claim)	\$ 18	\$ 88	\$ 77	\$ 18	\$ 93	\$ 296	\$ 731
Earnings Received from 1st Claim	\$ 9	\$ 44	\$ 39	\$ 9	\$ 47	\$ 148	\$ 65
Revised Extensional Earnings	\$ 9	\$ 41	\$ 39	\$ 9	\$ 47	\$ 148	\$ 129
<b>Third Earnings Claim</b>							
Revised Revenue Benefits, net							
Revised IIR							
Revised Earnings							
Earnings Distribution Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%
Revised Earnings (for 3rd Claim)							
Earnings Received from 1st and 2nd Claim							
Revised Extensional Earnings							
<b>Fourth Earnings Claim</b>							
Revised Revenue Benefits, net							
Revised IIR							
Revised Earnings							
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%
Revised Earnings (for 4th Claim)							
Earnings Received from 1st, 2nd and 3rd Claim							
Revised Extensional Earnings							
<b>Total</b>	\$ 18	\$ 89	\$ 77	\$ 19	\$ 93	\$ 296	\$ 710

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Table E-2  
Recorded Costs and  
Benefits for Shareholder Incentives Program  
By End Use Element  
Program Year: 1995  
Program: Residential Appliance Efficiency Incentives  
(\$1995, in thousands)

		End Use Totals		Number of Units	Average Per Unit
		Refrigeration	Total	Refrigeration	Refrigeration
<b>First Earnings Claim</b>					
1	Measurement Costs (Lifecycle)	\$ 123	\$ 123	31,389	\$ 0.00
2	Administration	\$ 448	\$ 448	31,389	\$ 0.01
3	Program Incentives	\$ 4,640	\$ 4,640	31,389	\$ 0.15
4	Program Costs (1,2 + 1,3)	\$ 5,011	\$ 5,011	31,389	\$ 0.16
5	Incremental Measure Costs, gross	\$ 4,527	\$ 4,527	31,389	\$ 0.14
6	Resource Benefits, gross	\$ 9,581	\$ 9,581	31,389	\$ 0.31
7	Net to Gross Ratio	1.00	1.00	na	na
8	Incremental Measure Costs, net	\$ 4,527	\$ 4,527	31,389	\$ 0.14
9	Resource Benefits, net	\$ 9,581	\$ 9,581	31,389	\$ 0.31
<b>Second Earnings Claim</b>					
10	Measurement Costs (Lifecycle)	\$ 123	\$ 123	31,483	\$ 0.00
11	Administration	\$ 448	\$ 448	31,483	\$ 0.01
12	Program Incentives	\$ 4,640	\$ 4,640	31,483	\$ 0.15
13	Program Costs (1,2 + 1,3)	\$ 5,011	\$ 5,011	31,483	\$ 0.16
14	Incremental Measure Costs, gross	\$ 5,193	\$ 5,193	31,483	\$ 0.16
15	Resource Benefits, gross	\$ 10,995	\$ 10,995	31,483	\$ 0.35
16	Net to Gross Ratio	0.64	0.64	na	na
17	Incremental Measure Costs, net	\$ 3,320	\$ 3,320	31,483	\$ 0.11
18	Resource Benefits, net	\$ 7,029	\$ 7,029	31,483	\$ 0.22
<b>Third Earnings Claim</b>		N/A	N/A	N/A	N/A
Revised Net Resource Benefits					
<b>Fourth Earnings Claim</b>		N/A	N/A	N/A	N/A
Revised Net Resource Benefits					

Notes:

Designated Unit of Measurement ("DUOM") Conversions -

Refrigeration = number of refrigerators

Space conditioning = number of dwelling units

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Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995  
 Program: Residential Appliance Efficiency Incentives  
 (\$1995)

Year	Average Load Impacts Per Unit (Gross)	
	kWh	kW
1995	1,588.22	0.21
1996	1,588.22	0.21
1997	1,588.22	0.21
1998	1,588.22	0.21
1999	1,588.22	0.21
2000	1,588.22	0.21
2001		
2002		
2003		
2004		
2005		
2006		
2007		
2008		
2009		
2010		
2011		
2012		
2013		
2014		
<b>MM (lifetime)</b>	<b>9,329.33</b>	<b>0.21</b>
<b>PV</b>	<b>\$ 339</b>	<b>\$ 11</b>

	Refrigeration	
	kWh	kW
# of Units	31,319	31,319
Resource Benefit (\$100, gross)	\$ 10,615	\$ 350
Net-to-Gross Ratio	0.64	0.62
Resource Benefit (\$100, net)	\$ 6,813	\$ 216
RI1g	\$ 10,996	
RI1n	\$ 2,029	
Impact Study References		
Study used for Forecast	1114500	
Required 1st IIV Study, 2nd Claim	1114515	
Required Persistence, 3rd Claim	not required	
Required Persistence, 4th Claim	not required	

Notes:  
 Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV = RI1 # of units

**Table E-2**  
**Recorded Costs and Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1995**  
**Program: Residential New Construction**  
**(\$1995, in thousands)**

		End Use Totals		Number of Units	Average Per Unit
		Space Conditioning	Total	Space Conditioning	Space Conditioning
<b>First Earnings Claim</b>					
1	Measurement Costs (Lifecycle)	\$ 0	\$ 0	3,647	\$ 0.00
2	Administration	\$ 137	\$ 137	3,647	\$ 0.04
3	Program Incentives	\$ 835	\$ 835	3,647	\$ 0.23
4	Program Costs (1.2 + 1.3)	\$ 972	\$ 972	3,647	\$ 0.27
5	Incremental Measure Costs, gross	\$ 832	\$ 832	3,647	\$ 0.23
6	Resource Benefits, gross	\$ 1,222	\$ 1,222	3,647	\$ 0.34
7	Net-to-Gross Ratio	1.00	1.00	na	na
8	Incremental Measure Costs, net	\$ 832	\$ 832	3,647	\$ 0.23
9	Resource Benefits, net	\$ 1,222	\$ 1,222	3,647	\$ 0.34
<b>Second Earnings Claim</b>					
1	Measurement Costs (Lifecycle)	\$ 0	\$ 0	3,647	\$ 0.00
2	Administration	\$ 137	\$ 137	3,647	\$ 0.04
3	Program Incentives	\$ 835	\$ 835	3,647	\$ 0.23
4	Program Costs (1.2 + 1.3)	\$ 972	\$ 972	3,647	\$ 0.27
5	Incremental Measure Costs, gross	\$ 832	\$ 832	3,647	\$ 0.23
6	Resource Benefits, gross	\$ 1,222	\$ 1,222	3,647	\$ 0.34
7	Net-to-Gross Ratio	1.00	1.00	na	na
8	Incremental Measure Costs, net	\$ 832	\$ 832	3,647	\$ 0.23
9	Resource Benefits, net	\$ 1,222	\$ 1,222	3,647	\$ 0.34
<b>Third Earnings Claim</b>		N/A	N/A	N/A	N/A
Revised Net Resource Benefits					
<b>Fourth Earnings Claim</b>		N/A	N/A	N/A	N/A
Revised Net Resource Benefits					

**Notes**

Number of units for each end use = dwelling units

**Table E-3**  
**Components of Resource Benefit Values**  
**Program Year: 1995**  
**Program: Residential New Construction**  
**(\$1995)**  
**Earnings Claim: Second Year**

Year	Average Load Impacts Per Unit (Gross)	
	kWh	kW
1995	333.30	0.32
1996	333.30	0.32
1997	333.30	0.32
1998	333.30	0.32
1999	333.30	0.32
2000	333.30	0.32
2001	333.30	0.32
2002	333.30	0.32
2003	333.30	0.32
2004	333.30	0.32
2005	333.30	0.32
2006	333.30	0.32
2007	333.30	0.32
2008	333.30	0.32
2009	333.30	0.32
2010	333.30	0.32
2011	333.30	0.32
2012	333.30	0.32
2013	333.30	0.32
2014	333.30	0.32
2015	333.30	0.32
2016	333.30	0.32
Sum (Lifecycle)	6,999.39	0.32
PV	\$ 172.11	\$ 157.82

	Space Conditioning	
	kWh	kW
# of Units	3,647	3,647
Resource Benefit (\$000, gross)	\$ 646	\$ 376
Net-to-Gross Ratio	1.00	1.00
Resource Benefit (\$000, net)	\$ 646	\$ 376
Impact Study References		
Study used for Forecast	ID# 76	
Required 1st IY Study, 2nd Claim	Waiver	
Required Persistence, 3rd Claim	Waiver	
Required Persistence, 4th Claim	Waiver	

**Notes**

Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV = RI/# of units

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Table E-2  
 Recorded Costs and  
 Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995  
 Program: Nonresidential Energy Efficiency Incentives - Commercial  
 (\$1995, in thousands)

	End Use Totals			Number of Units		Average Per Unit	
	Lighting	Refrigeration	Total	Lighting	Refrigeration	Lighting	Refrigeration
First Earnings Claim							
1 Measurement Costs (Lifecycle)	\$ 111	\$ 4	\$ 115	1,381,509	1	\$ 0.00	\$ 4.29
2 Administration	\$ 310	\$ 12	\$ 322	1,381,509	1	\$ 0.00	\$ 12.01
3 Program Incentives	\$ 59	\$ 2	\$ 62	1,381,509	1	\$ 0.00	\$ 2.29
4 Program Costs (I.2 + I.3)	\$ 370	\$ 14	\$ 384	1,381,509	1	\$ 0.00	\$ 14.30
5 Incremental Measure Costs, gross	\$ 798	\$ 33	\$ 831	1,381,509	1	\$ 0.00	\$ 32.50
6 Resource Benefits, gross	\$ 1,583	\$ 61	\$ 1,644	1,381,509	1	\$ 0.00	\$ 61.25
7 Net-to-Gross Ratio	0.80	0.80	0.80				
8 Incremental Measure Costs, net	\$ 639	\$ 26	\$ 665	1,381,509	1	\$ 0.00	\$ 26.00
9 Resource Benefits, net	\$ 1,266	\$ 49	\$ 1,315	1,381,509	1	\$ 0.00	\$ 49.00
Second Earnings Claim* Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes

Lighting Units = kWh per square foot per 1,000 hrs.

Refrigeration = Number of projects

\* - No shareholder earnings were claimed for this program



Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995  
 Program: Nonresidential Energy Efficiency Incentives - Commercial  
 (\$1995)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Lighting		Refrigeration	
	kWh	kW	kWh	kW
1995	222		129,824.00	
1996	222		129,824.00	
1997	222		129,824.00	
1998	222		129,824.00	
1999	222		129,824.00	
2000	222		129,824.00	
2001	222		129,824.00	
2002	222		129,824.00	
2003	222		129,824.00	
2004	222		129,824.00	
2005	222		129,824.00	
2006	222		129,824.00	
2007	222		129,824.00	
2008	222		129,824.00	
2009	222		129,824.00	
2010				
2011				
2012				
2013				
2014				
MIB (lifecycle)	33.33		1,947,360.00	
PV	\$ 105	\$	\$ 61,575.52	\$

	Lighting		Refrigeration	
	kWh	kW	kWh	kW
# of Units	1,181,509	1,181,509	1	1
Resource (benefit) (\$000, gross)	\$ 1,456	\$ 127	\$ 62	\$
Net to Gross Ratio	0.80	0.80	0.80	0.80
Resource (benefit) (\$000, net)	\$ 1,165	\$ 101	\$ 49	\$
Impact Study References				
Study used for Forecast	IDD 87, 88, 92		n/a	
Required 1st IIV Study, 2nd Claim	Waiver		Waiver	
Required Persistence, 3rd Claim	Waiver		Waiver	
Required Persistence, 4th Claim	Waiver		Waiver	

Notes:

Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV = RIB/# of units

**Table E-2**  
**Recorded Costs and**  
**Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1995**  
**Program: Nonresidential Energy Efficiency Incentives - DSM Bidding, Commercial**  
**(\$1995, in thousands)**

	End Use Totals			Number of Units		Average Per Unit	
	Space Conditioning	Lighting	Total	Space Conditioning	Lighting	Space Conditioning	Lighting
<b>First Earnings Claim</b>							
1 Measurement Costs (lifecycle)	\$ 0	\$ 0	\$ 0	1	1	\$ 0.00	\$ 0.00
2 Administration	\$ 31	\$ 441	\$ 473	1	1	\$ 31.21	\$ 441.42
3 Program Incentives	\$ 124	\$ 1,699	\$ 1,822	1	1	\$ 123.90	\$ 1,698.59
4 Program Costs (1.2 + 1.3)	\$ 155	\$ 2,140	\$ 2,295	1	1	\$ 155.12	\$ 2,140.02
5 Incremental Measure Costs, gross	\$ 0	\$ 1,565	\$ 1,565	1	1	\$ 0.00	\$ 1,565.00
6 Resource Benefits, gross	\$ 431	\$ 6,095	\$ 6,526	1	1	\$ 431.00	\$ 6,095.00
7 Net-to-Gross Ratio	1.00	1.00	1.00	na	na	na	na
8 Incremental Measure Costs, net	\$ 0	\$ 1,565	\$ 1,565	1	1	\$ 0.00	\$ 1,565.00
9 Resource Benefits, net	\$ 431	\$ 6,095	\$ 6,526	1	1	\$ 431.00	\$ 6,095.00
Second Earnings Claim* Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Notes**

Lighting Units = kWh per square foot per 1,000 hrs

Refrigeration = Number of projects.

\* - No shareholder earnings were claimed for this program

Southern California Edison

Table E-2  
 Recorded Costs and  
 Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1995  
 Program: Nonresidential New Construction  
 (\$1995, in thousands)

	End Use Totals	Number of Units	Average Per Unit
	Whole Building	Whole Building	Whole Building
<b>First Earnings Claim</b>			
1 Measurement Costs (Lifecycle)	\$ 0	191,054	\$ 0.00
2 Administration	\$ 289	191,054	\$ 0.00
3 Program Incentives	\$ 2,609	191,054	\$ 0.01
4 Program Costs (1.2 + 1.3)	\$ 2,898	191,054	\$ 0.02
5 Incremental Measure Costs, gross	\$ 5,162	191,054	\$ 0.03
6 Resource Benefits, gross	\$ 12,520	191,054	\$ 0.07
7 Net to Gross Ratio	0.88	na	na
8 Incremental Measure Costs, net	\$ 4,543	191,054	\$ 0.02
9 Resource Benefits, net	\$ 11,018	191,054	\$ 0.06
<b>Second Earnings Claim</b>			
10 Measurement Costs (Lifecycle)	\$ 300	191,054	\$ 0.00
11 Administration	\$ 289	191,054	\$ 0.00
12 Program Incentives	\$ 2,609	191,054	\$ 0.01
13 Program Costs (1.2 + 1.3)	\$ 2,898	191,054	\$ 0.02
14 Incremental Measure Costs, gross	\$ 5,163	191,054	\$ 0.03
15 Resource Benefits, gross	\$ 11,592	191,054	\$ 0.06
16 Net to Gross Ratio	0.64	na	na
17 Incremental Measure Costs, net	\$ 3,292	191,054	\$ 0.02
18 Resource Benefits, net	\$ 7,392	191,054	\$ 0.04
<b>Third Earnings Claim</b>			
Revised Net Resource Benefits	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>			
Revised Net Resource Benefits	N/A	N/A	N/A

Note:  
 DROM Conversion -  
 had impacts whole building

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995  
 Program: Nonresidential Energy Efficiency Incentives - DSM Bidding, Commercial  
 (\$1995)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Space Conditioning		Lighting	
	kWh	kW	kWh	kW
1995	762,228.00	139.00	10,870,717.00	2,111.00
1996	762,228.00	139.00	10,870,717.00	2,111.00
1997	762,228.00	139.00	10,870,717.00	2,111.00
1998	762,228.00	139.00	10,870,717.00	2,111.00
1999	762,228.00	139.00	10,870,717.00	2,111.00
2000	762,228.00	139.00	10,870,717.00	2,111.00
2001	762,228.00	139.00	10,870,717.00	2,111.00
2002	762,228.00	139.00	10,870,717.00	2,111.00
2003	762,228.00	139.00	10,870,717.00	2,111.00
2004	762,228.00	139.00	10,870,717.00	2,111.00
2005	762,228.00	139.00	10,870,717.00	2,111.00
2006	762,228.00	139.00	10,870,717.00	2,111.00
2007	762,228.00	139.00	10,870,717.00	2,111.00
2008	762,228.00	139.00	10,870,717.00	2,111.00
2009	762,228.00	139.00	10,870,717.00	2,111.00
2010				
2011				
2012				
2013				
2014				
SUB(Totals)	11,433,420.00	139.00	163,660,355.00	2,111.00
PV	\$ 372,509.82	\$ 58,583.00	\$ 5,180,983.72	\$ 913,937.45

	Space Conditioning		Lighting	
	kWh	kW	kWh	kW
# of Units	1	1	1	1
Resource Benefit (\$/00, gross)	\$ 373	\$ 59	\$ 5,181	\$ 913.96
Net to Gross Ratio	1.00	1.00	1.00	1.00
Resource Benefit (\$/00, net)	\$ 373	\$ 59	\$ 5,181	\$ 913.96
R/hg	\$ 431		\$ 6,095	
R/kw	\$ 431		\$ 6,095	
Impact Study References				
Study used for Forecast		n/a		n/a
Required 1st IIV Study, 2nd Claim		waiver		waiver
Required Persistence, 3rd Claim		waiver		waiver
Required Persistence, 4th Claim		waiver		waiver

Notes

Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV = R/hg/# of units

Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1995  
 Program: Nonresidential New Construction  
 (\$1995)  
 Earnings Claim: First Year

Year	Average Load Impacts Per Unit (Gross)	
	kWh	kW
1995	138,367.81	19.70
1996	138,367.81	19.70
1997	138,367.81	19.70
1998	138,367.81	19.70
1999	138,367.81	19.70
2000	138,367.81	19.70
2001	138,367.81	19.70
2002	138,367.81	19.70
2003	138,367.81	19.70
2004	138,367.81	19.70
2005	138,367.81	19.70
2006	138,367.81	19.70
2007		
2008		
2009		
2010		
2011		
2012		
2013		
2014		
SUB (Lifecycle)	1,660,413.70	19.70
PV	\$ 237	\$ 31

	Whole Building	
	kWh	kW
# of Units	31,265	31,265
Resource Benefit (\$1000, gross)	\$ 2,419	\$ 982
Net-to-Gross Ratio	0.88	0.88
Resource Benefit (\$1000, net)	\$ 6,528	\$ 861
Impact Study References		
Study used for Forecast	#101	
Required 1st IY Study, 2nd Claim	#522	
Required Persistence, 3rd Claim	#530	
Required Persistence, 4th Claim	#548	

Notes

Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV=RB/# of units.

Table E-4  
 Earnings Claim Summary Table: Performance Aider Programs  
 Program Year: 1995  
 (\$1995)

	Direct Assistance (Non-Mandatory)	Residential EMS	Commercial EMS	Industrial EMS	Agricultural EMS	
a	Electricity Expenditures (\$000)	\$ 4,271	\$ 1,770	\$ 5,665	\$ 4,951	\$ 1,187
b	Electricity Savings (mWh)	15,134	7,662	91,016	79,536	19,073
c	Electricity Program Cost Ratio (a/b)	0.28	0.23	0.06	0.06	0.06
d	Previous Year's Electricity Program Cost Ratio	0.29	0.18	0.11	0.11	0.11
e	Relative Electricity Program Cost Ratio (c/d)	0.97	1.30	0.57	0.57	0.57
f	Gas Expenditures (\$000)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
g	Gas Savings (therms)	0	0	0	0	0
h	Gas Program Cost Ratio (f/g)	0.00	0.00	0.00	0.00	0.00
i	Previous Year's Gas Program Cost Ratio	0.00	0.00	0.00	0.00	0.00
j	Relative Gas Program Cost Ratio (h/i)	0.00	0.00	0.00	0.00	0.00
k	Total Expenditures (a+f)	\$ 4,271	\$ 1,770	\$ 5,665	\$ 4,951	\$ 1,187
l	Performance factor $[e^*(a/k) + j^*(f/k)]$	0.97	1.20	0.80	0.80	0.80
m	Lifecycle Earnings (\$000) $[k^*.05/l]$	\$ 220	\$ 74	\$ 354	\$ 309	\$ 74
n	Proration Factor	85%	50%	50%	50%	50%
o	Lifecycle Earnings (\$000) $[m^*n]$	\$ 186	\$ 37	\$ 177	\$ 155	\$ 37

[1] - 1994 expenditures have been escalated to \$1995.

A.97-05-002 et al ALJ/MEG/bwg

**Southern California Edison Company**

**PY94 Second Earnings Claim  
E-Tables**

Table E-1  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1994  
(5/19/94)

	SHARED SAVINGS PROGRAMS (1994)											
	Retrofit Energy Efficiency Incentives Program					New Construction			Direct Assistance		Portfolio	
	RAE	CEEI	HEI	AEI	Total	Res.	Nonres. (1)	Total	Non-Mandatory	Residential	Nonresidential	Total
<b>Costs and Benefits for Earnings - Forecast</b>												
1 Measurement Costs	\$ 150	\$ 418	\$ 100	\$ 30	\$ 698	\$ 0	\$ 0	\$ 0	\$ 0	\$ 153	\$ 340	\$ 493
2 Administrative	\$ 13,316	\$ 2,479	\$ 3,185	\$ 178	\$ 19,458	\$ 841	\$ 1,216	\$ 2,057	\$ 2,831	\$ 16,988	\$ 8,908	\$ 25,896
3 Program Incentives	\$ 9,330	\$ 2,601	\$ 2,823	\$ 493	\$ 24,249	\$ 2,418	\$ 6,544	\$ 9,783	\$ 5,949	\$ 18,118	\$ 23,663	\$ 41,981
4 Program Costs (Admin + Incentives)	\$ 22,846	\$ 15,300	\$ 11,870	\$ 691	\$ 45,453	\$ 3,480	\$ 9,760	\$ 13,140	\$ 8,780	\$ 35,106	\$ 32,771	\$ 67,877
5 Institutional Measure Costs, net (IACs)	\$ 11,140	\$ 20,321	\$ 27,481	\$ 2,876	\$ 71,851	\$ 2,991	\$ 9,382	\$ 12,376	\$ 4,523	\$ 18,639	\$ 26,953	\$ 45,592
6 Resource Benefits, net (RFB)	\$ 86,523	\$ 81,654	\$ 31,659	\$ 6,109	\$ 186,945	\$ 2,355	\$ 10,262	\$ 12,617	\$ 8,228	\$ 54,906	\$ 158,683	\$ 217,689
<b>Target Earnings</b>												
10 Target Earnings Rate (TER)	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
11 Performance Earnings Base, at Target (PEPB)	\$ 29,708	\$ 48,644	\$ 26,860	\$ 2,384	\$ 99,816	\$ 567	\$ 1,978	\$ 2,485	\$ 178	\$ 21,473	\$ 86,006	\$ 107,479
12 Target Earnings	\$ 2,858	\$ 972	\$ 895	\$ 31	\$ 3,972	\$ 317	\$ 928	\$ 1,248	\$ 828	\$ 3,299	\$ 2,839	\$ 6,068
13 TER PEPB, with Earnings	1.2%	2.3%	1.6%	1.2%	1.9%	1.0%	1.3%	1.3%	1.0%	1.5%	1.5%	1.7%
14 TER PEPB, with Earnings	1.8%	4.1%	4.3%	2.9%	3.7%	1.0%	1.7%	1.5%	0.8%	2.5%	4.3%	2.9%
<b>First Earnings Claim (1995 AEAP)</b>												
Revised Measurement Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Revised Administrative	\$ 2,222	\$ 2,228	\$ 1,962	\$ 78	\$ 6,490	\$ 380	\$ 3,939	\$ 4,319	\$ 2,834	\$ 5,306	\$ 1,267	\$ 13,743
Revised Program Incentives	\$ 4,812	\$ 10,316	\$ 1,158	\$ 1,283	\$ 24,918	\$ 813	\$ 5,319	\$ 6,412	\$ 5,234	\$ 12,258	\$ 24,273	\$ 36,536
Revised Institutional Measure Costs, net	\$ 7,895	\$ 55,884	\$ 20,799	\$ 4,385	\$ 98,768	\$ 758	\$ 9,228	\$ 9,986	\$ 4,265	\$ 13,966	\$ 100,889	\$ 112,855
Revised Resource Benefits, net	\$ 31,812	\$ 131,843	\$ 45,972	\$ 18,365	\$ 229,992	\$ 1,813	\$ 15,774	\$ 24,809	\$ 8,130	\$ 40,373	\$ 224,254	\$ 264,631
Revised IIR	\$ 12,753	\$ 18,421	\$ 23,158	\$ 10,230	\$ 114,582	\$ (11%)	\$ 18,866	\$ 14,291	\$ 477	\$ 13,855	\$ 146,293	\$ 159,350
Revised IIR PEPB (a) (Minimum 50%)	61%	102%	119%	335%	136%	139%	181%	161%	268%	61%	170%	170%
5-Case Lock-Up Value	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Revised Earnings	\$ 148	\$ 2,178	\$ 1,876	\$ 166	\$ 3,960	\$ 0	\$ 2,817	\$ 2,817	\$ 991	\$ 8,133	\$ 3,972	\$ 7,112
13 TER PEPB, with Earnings	3.3%	2.1%	1.3%	2.3%	2.0%	0.9%	1.7%	1.6%	1.0%	2.1%	1.8%	1.8%
14 TER PEPB, with Earnings	3.5%	1.8%	1.7%	11.9%	4.3%	0.8%	2.3%	2.1%	0.8%	2.3%	3.3%	3.5%
Earnings Inclusion Share (1st Claim)	15%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$ 36	\$ 335	\$ 414	\$ 42	\$ 990	\$ 0	\$ 501	\$ 501	\$ 148	\$ 284	\$ 1,454	\$ 1,778
<b>Second Earnings Claim (1996 and 1997 AEAPs)</b>												
Revised Resource Benefits, net	\$ 26,833	\$ 10,913	\$ 21,861	\$ 6,972	\$ 218,379	\$ 1,815	\$ 17,157	\$ 18,192	\$ 8,130	\$ 35,298	\$ 297,403	\$ 242,701
Revised IIR	\$ 8,192	\$ 76,137	\$ 49,181	\$ 3,814	\$ 138,182	\$ (11%)	\$ 2,116	\$ 6,948	\$ 876	\$ 8,494	\$ 137,831	\$ 145,323
Revised Earnings	\$ (114)	\$ 1,429	\$ 2,065	\$ (117)	\$ 3,091	\$ 0	\$ 424	\$ 424	\$ 961	\$ 147	\$ 1,661	\$ 4,508
Earnings Inclusion Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Revised Earnings (for 2nd Claim)	\$ (72)	\$ 714	\$ 1,023	\$ (99)	\$ 1,347	\$ 0	\$ 212	\$ 1,001	\$ 496	\$ 414	\$ 1,830	\$ 2,334
Earnings Recovered from 1st Claim	No True up	\$ 535	\$ 318	No True up	\$ 949	\$ 0	No True up	\$ 0	\$ 148	\$ 284	\$ 949	\$ 1,332
Revised Institutional Earnings	\$ (72)	\$ 180	\$ 589	\$ (99)	\$ 598	\$ 0	\$ 0	\$ 0	\$ 148	\$ 176	\$ 678	\$ 846
<b>Third Earnings Claim</b>												
Revised Resource Benefits, net												
Revised IIR												
Revised Earnings												
Earnings Inclusion Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Revised Earnings (for 3rd Claim)												
Earnings Recovered from 1st and 2nd Claim												
Revised Institutional Earnings												
<b>Fourth Earnings Claim</b>												
Revised Resource Benefits, net												
Revised IIR												
Revised Earnings												
Earnings Inclusion Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Revised Earnings (for 4th Claim)												
Earnings Recovered from 1st, 2nd and 3rd Claim												
Revised Institutional Earnings												
<b>Total Shared Savings Earnings</b>	\$ 462	\$ 714	\$ 1,063	\$ (37)	\$ 1,848	\$ 0	\$ 501	\$ 501	\$ 496	\$ 460	\$ 2,164	\$ 2,624

(1) The building activities for the nonresidential New Construction and Retrofit Recycling programs were submittal on March 1, 1997. Therefore, the second earnings claim for those programs are being made in the 1997 AEAP. By the 1997 second claim was postponed until the 1997 AEAP per Decision 96-11-029.



Table E-1  
Earnings Claim Summary Table: Shared Savings Programs  
Program Year: 1994  
(\$1994)

	PERFORMANCE ADDER PROGRAMS (\$000)				
	Energy Management Services Programs				Total
	BEIS	CEIS	TEIS	ATIS	
<b>Costs and Benefits for Earnings - Forecasts</b>					
1 Measurement Costs	\$ 6	\$ 0	\$ 0	\$ 0	\$ 6
2 Administrative	\$ 4,000	\$ 10,000	\$ 6,500	\$ 1,400	\$ 24,700
3 Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
4 Program Costs	\$ 6,000	\$ 10,000	\$ 6,500	\$ 1,400	\$ 24,700
5 Incremental Measure Costs, net (IMC)	\$ 0	\$ 10,000	\$ 6,500	\$ 1,400	\$ 18,900
6 Resource Benefits, net (RBe)	\$ 1,000	\$ 13,000	\$ 49,500	\$ 10,300	\$ 114,300
<b>Target Earnings</b>					
16 Target Earnings Rate (TER)	2%	5%	5%	5%	NA
17 Performance Earnings Base, at target (PEEB)	\$ 6,000	\$ 10,000	\$ 6,500	\$ 1,400	\$ 18,700
18 Target Earnings	\$ 120	\$ 500	\$ 325	\$ 70	\$ 1,115
19U BE R, with Earnings	0.1%	1.0%	2.2%	1.5%	1.0%
19R BE R, with Earnings	0.1%	1.3%	2.1%	2.1%	1.6%
<b>Final Earnings Claims (1994 AEAP)</b>					
Recorded Measurement Costs	\$ 6	\$ 0	\$ 0	\$ 0	\$ 6
Recorded Administrative	\$ 4,375	\$ 8,300	\$ 6,702	\$ 2,814	\$ 22,391
Recorded Program Incentives	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Recorded Incremental Measure Costs, net	\$ 0	\$ 10,012	\$ 22,807	\$ 2,372	\$ 40,291
Recorded Resource Benefits, net	\$ 1,391	\$ 32,543	\$ 49,439	\$ 5,576	\$ 110,579
Recorded EEB	\$ 3,975	\$ 8,300	\$ 6,702	\$ 2,814	\$ 22,391
Recorded TER (%) (Minimum 1%)	1%	7%	10%	20%	12%
Recorded Earnings	\$ 88	\$ 0	\$ 0	\$ 0	\$ 88
19U BE R, with Earnings	0.31%	1.30%	1.4%	1.0%	1.3%
19R BE R, with Earnings	0.31%	1.8%	2.2%	1.7%	1.9%
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%
Earnings Claim for Recovery (1st Claim)	\$ 22	\$ 0	\$ 0	\$ 0	\$ 22
<b>Second Earnings Claims (1994 and 1993 AEAPs)</b>					
Recorded Resource Benefits, net	\$ 1,391	\$ 20,695	\$ 40,420	\$ 11,867	\$ 74,373
Recorded EEB	\$ 4,375	\$ 8,300	\$ 6,702	\$ 2,814	\$ 22,391
Recorded Earnings	\$ 88	\$ 0	\$ 0	\$ 0	\$ 88
Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%
Recorded Earnings (for 2nd Claim)	\$ 44	\$ 0	\$ 0	\$ 0	\$ 44
Earnings Recovered from 1st Claim	\$ 22	\$ 0	\$ 0	\$ 0	\$ 22
Recorded Incremental Earnings	\$ 22	\$ 0	\$ 0	\$ 0	\$ 22
<b>Third Earnings Claims</b>					
Recorded Resource Benefits, net					
Recorded EEB					
Recorded Earnings					
Earnings Distribution Share (3rd Claim)	25%	25%	25%	25%	25%
Recorded Earnings (for 3rd Claim)					
Earnings Recovered from 1st and 2nd Claims					
Recorded Incremental Earnings					
<b>Fourth Earnings Claims</b>					
Recorded Resource Benefits, net					
Recorded EEB					
Recorded Earnings					
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%
Recorded Earnings (for 4th Claim)					
Earnings Recovered from 1st, 2nd and 3rd Claims					
Recorded Incremental Earnings					
<b>Total Performance Adder Earnings</b>	\$ 22	\$ 0	\$ 0	\$ 0	\$ 22

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Table E-2  
Recorded Costs and  
Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1994  
Program: Residential Appliance Efficiency Incentives  
(\$1994, in thousands)

	End Use Totals						Number of Units					Average Per Unit				
	Space Conditioning	Lighting	Refrigeration	Water Heating	Misc.	Total	Space Conditioning	Lighting	Refrigeration	Water Heating	Misc.	Space Conditioning	Lighting	Refrigeration	Water Heating	Misc.
First Earnings Claim																
1 Measurement Costs (1 lifecycle)	\$ 39	\$ 61	\$ 45	\$ 0	\$ 3	\$ 150	12,431	12,187	71,299	15	6,369	\$0.00	\$0.01	\$0.00	\$0.01	\$0.00
2 Administration	\$ 1,218	\$ 305	\$ 9,159	\$ 5	\$ 6	\$ 10,723	12,431	12,187	71,299	15	6,369	\$0.07	\$0.03	\$0.13	\$0.33	\$0.00
3 Program Incentives	\$ 1,886	\$ 3,114	\$ 2,181	\$ 8	\$ 149	\$ 7,331	12,431	12,187	71,299	15	6,369	\$0.11	\$0.26	\$0.03	\$0.50	\$0.02
4 Program Costs (12 + 13)	\$ 3,135	\$ 3,419	\$ 11,312	\$ 13	\$ 155	\$ 18,061	12,431	12,187	71,299	15	6,369	\$0.11	\$0.21	\$0.16	\$0.83	\$0.02
5 Incremental Measure Costs, gross	\$ 2,865	\$ 3,276	\$ 1,562	\$ 11	\$ 413	\$ 8,157	12,431	12,187	71,299	15	6,369	\$0.16	\$0.27	\$0.02	\$0.73	\$0.07
6 Resource Benefits, gross	\$ 4,974	\$ 10,852	\$ 15,768	\$ 14	\$ 815	\$ 32,423	12,431	12,187	71,299	15	6,369	\$0.29	\$0.89	\$0.22	\$1.93	\$0.13
7 Net to Gross Ratio	1.00	0.87	1.00	1.00	1.00	0.96	12,431	12,187	71,299	15	6,369	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00
8 Incremental Measure Costs, net	\$ 2,865	\$ 2,850	\$ 1,562	\$ 11	\$ 413	\$ 7,331	12,431	12,187	71,299	15	6,369	\$0.16	\$0.21	\$0.02	\$0.73	\$0.07
9 Resource Benefits, net	\$ 4,974	\$ 9,411	\$ 15,768	\$ 14	\$ 815	\$ 31,012	12,431	12,187	71,299	15	6,369	\$0.29	\$0.77	\$0.22	\$0.93	\$0.13
Second Earnings Claim																
10 Measurement Costs (1 lifecycle)	\$ 39	\$ 61	\$ 45	\$ 0	\$ 3	\$ 150	12,431	122,683	71,299	15	6,369	\$0.00	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.00
11 Administration	\$ 1,218	\$ 305	\$ 9,159	\$ 5	\$ 6	\$ 10,723	12,431	122,683	71,299	15	6,369	\$0.07	\$ 0.00	\$ 0.13	\$ 0.33	\$ 0.00
12 Program Incentives	\$ 1,886	\$ 3,114	\$ 2,181	\$ 8	\$ 149	\$ 7,331	12,431	122,683	71,299	15	6,369	\$0.11	\$ 0.03	\$ 0.03	\$ 0.50	\$ 0.02
13 Program Costs (12 + 13)	\$ 3,135	\$ 3,419	\$ 11,312	\$ 13	\$ 155	\$ 18,061	12,431	122,683	71,299	15	6,369	\$0.11	\$ 0.03	\$ 0.16	\$ 0.83	\$ 0.02
14 Incremental Measure Costs, gross	\$ 2,156	\$ 3,276	\$ 2,590	\$ 11	\$ 413	\$ 8,435	12,431	122,683	71,299	15	6,369	\$0.12	\$ 0.03	\$ 0.04	\$ 0.73	\$ 0.07
15 Resource Benefits, gross	\$ 4,627	\$ 10,568	\$ 17,480	\$ 14	\$ 815	\$ 33,504	12,431	122,683	71,299	15	6,369	\$0.27	\$ 0.09	\$ 0.25	\$ 0.93	\$ 0.13
16 Net to Gross Ratio	0.98	0.85	0.67	1.00	1.00	0.78	12,431	122,683	71,299	15	6,369	\$0.00	\$ 0.00	\$ 0.00	\$ 0.07	\$ 0.00
17 Incremental Measure Costs, net	\$ 2,107	\$ 2,784	\$ 1,747	\$ 11	\$ 413	\$ 7,095	12,431	122,683	71,299	15	6,369	\$0.12	\$ 0.02	\$ 0.02	\$ 0.73	\$ 0.07
18 Resource Benefits, net	\$ 4,527	\$ 8,983	\$ 11,391	\$ 14	\$ 815	\$ 26,133	12,431	122,683	71,299	15	6,369	\$0.26	\$ 0.07	\$ 0.17	\$ 0.93	\$ 0.13
Third Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits																
Fourth Earnings Claim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revised Net Resource Benefits																

Notes  
Space conditioning, water heating, and misc. end use unit count  
= number of dwelling units  
Refrigeration end use = number of refrigerators  
Lighting end use = kWh per lamp

(1) - An error was found in the DRRA calculation for the first earnings claim. The number of DRRA in the second earnings claim has been adjusted downward to reflect the appropriate number of CDEs per dwelling unit.

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Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Residential Appliance Efficiency Incentives  
 (\$1994)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Space Conditioning		Lighting		Refrigeration		Water Heating		Misc.	
	LWh	LW	LWh	LW	LWh	LW	LWh	LW	LWh	LW
1994	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
1995	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
1996	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
1997	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
1998	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
1999	859.26	0.26	408.94	0.04	1,139.52	0.15	2,350.00	0.19	186.62	0.13
2000	859.26	0.26			1,139.52	0.15	2,350.00	0.19	186.62	0.13
2001	859.26	0.26			1,139.52	0.15	2,350.00	0.19	186.62	0.13
2002	859.26	0.26					2,350.00	0.19	186.62	0.13
2003	859.26	0.26					2,350.00	0.19	186.62	0.13
2004	859.26	0.26					2,350.00	0.19	186.62	0.13
2005	859.26	0.26					2,350.00	0.19	186.62	0.13
2006	859.26	0.26					2,350.00	0.19	186.62	0.13
2007									186.62	0.13
2008									186.62	0.13
2009										
2010										
2011										
2012										
2013										
AVG (Lifecycle)	11,170.37	0.26	2,453.63	0.04	9,116.13	0.15	30,550.00	0.19	2,799.35	0.13
PV	\$ 201.15	\$ 64.27	\$ 81.50	\$ 4.62	\$ 236.56	\$ 3.86	\$ 872.04	\$ 61.30	\$ 81.15	\$ 46.82

	Space Conditioning		Lighting		Refrigeration		Water Heating		Misc.	
	LWh	LW	LWh	LW	LWh	LW	LWh	LW	LWh	LW
# of Units	17,431	17,431	122,683	122,683	71,299	71,299	15	15	6,369	6,369
Resource Benefit (\$1000, gross)	\$ 3,506	\$ 1,120	\$ 9,997	\$ 569	\$ 15,852	\$ 275	\$ 13	\$ 1	\$ 517	\$ 291
Net to Gross Ratio	0.98	0.98	0.85	0.85	0.67	0.67	1.00	1.00	1.00	1.00
Resource Benefit (\$1000, net)	\$ 3,431	\$ 1,096	\$ 8,497	\$ 484	\$ 11,370	\$ 186	\$ 13	\$ 1	\$ 517	\$ 291
Impact Study References:										
Study used for Forecast	n/a		n/a		n/a		n/a		n/a	
Required Int. IY Study, 2nd Claim	D04512		D04513		D04514, 515		n/a		n/a	
Required Persistence, 3rd Claim	D04523		D04524		D04525, n/a					
Required Persistence, 4th Claim	D04546		D04555		D04546, n/a					

Notes:

Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV = RB<sub>g</sub> / r of units

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Table E-2  
Recorded Costs and  
Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1994  
Program: Direct Assistance  
(\$1994, in thousands)

	End Use Totals				Number of Units			Average Per Unit		
	Space Conditioning	Lighting	Refrigeration	Total	Space Conditioning	Lighting	Refrigeration	Space Conditioning	Lighting	Refrigeration
<b>First Earnings Claim</b>										
1 Measurement Costs (Lifecycle)	\$ 1	\$ 1	\$ 0	\$ 3	3,942	67,974	2,859	\$ 0.00	\$ 0.00	\$ 0.00
2 Administration	\$ 410	\$ 2,410	\$ 83	\$ 2,934	3,942	67,974	2,859	\$ 0.10	\$ 0.04	\$ 0.03
3 Program Incentives	\$ 2,254	\$ 2,211	\$ 770	\$ 5,235	3,942	67,974	2,859	\$ 0.57	\$ 0.03	\$ 0.27
4 Program Costs (1.2 + 1.3)	\$ 2,664	\$ 4,651	\$ 853	\$ 8,169	3,942	67,974	2,859	\$ 0.68	\$ 0.07	\$ 0.30
5 Incremental Measure Costs, gross	\$ 2,286	\$ 1,167	\$ 752	\$ 4,205	3,942	67,974	2,859	\$ 0.58	\$ 0.02	\$ 0.26
6 Resource Benefits, gross	\$ 2,621	\$ 4,677	\$ 832	\$ 8,130	3,942	67,974	2,859	\$ 0.66	\$ 0.07	\$ 0.29
7 Net-to-Gross Ratio	1.00	1.00	1.00	1.00	3,942	67,974	2,859	\$ 0.00	\$ 0.00	\$ 0.00
8 Incremental Measure Costs, net	\$ 2,286	\$ 1,167	\$ 752	\$ 4,205	3,942	67,974	2,859	\$ 0.58	\$ 0.02	\$ 0.26
9 Resource Benefits, net	\$ 2,621	\$ 4,677	\$ 832	\$ 8,130	3,942	67,974	2,859	\$ 0.66	\$ 0.07	\$ 0.29
<b>Second Earnings Claim</b>										
10 Measurement Costs (Lifecycle)	\$ 1	\$ 1	\$ 0	\$ 3	3,942	67,974	2,859	\$ 0.00	\$ 0.00	\$ 0.00
11 Administration	\$ 410	\$ 2,410	\$ 83	\$ 2,934	3,942	67,974	2,859	\$ 0.10	\$ 0.04	\$ 0.03
12 Program Incentives	\$ 2,254	\$ 2,211	\$ 770	\$ 5,235	3,942	67,974	2,859	\$ 0.57	\$ 0.03	\$ 0.27
13 Program Costs (1.2 + 1.3)	\$ 2,664	\$ 4,651	\$ 853	\$ 8,169	3,942	67,974	2,859	\$ 0.68	\$ 0.07	\$ 0.30
14 Incremental Measure Costs, gross	\$ 2,286	\$ 1,167	\$ 752	\$ 4,205	3,942	67,974	2,859	\$ 0.58	\$ 0.02	\$ 0.26
15 Resource Benefits, gross	\$ 2,621	\$ 4,677	\$ 832	\$ 8,130	3,942	67,974	2,859	\$ 0.66	\$ 0.07	\$ 0.29
16 Net-to-Gross Ratio	1.00	1.00	1.00	1.00	3,942	67,974	2,859	\$ 0.00	\$ 0.00	\$ 0.00
17 Incremental Measure Costs, net	\$ 2,286	\$ 1,167	\$ 752	\$ 4,205	3,942	67,974	2,859	\$ 0.58	\$ 0.02	\$ 0.26
18 Resource Benefits, net	\$ 2,621	\$ 4,677	\$ 832	\$ 8,130	3,942	67,974	2,859	\$ 0.66	\$ 0.07	\$ 0.29
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes

Number of units for each end use = dwelling units

### Southern California Edison

**Table E-3**  
**Components of Resource Benefit Values**  
**Program Year: 1994**  
**Program: Direct Assistance**  
**(\$1994)**  
**Earnings Claim: Second Year**

#### Average Load Impacts Per Unit (Gross)

Year	Space Conditioning		Lighting		Refrigeration	
	kWh	kW	kWh	kW	kWh	kW
1994	1,033.71	0.53	327.36	0.03	698.49	0.10
1995	1,033.71	0.5256	327.36	0.0263	698.49	0.1010
1996	1,033.71	0.5256	327.36	0.0263	698.49	0.1010
1997	1,033.71	0.5256	327.36	0.0263	698.49	0.1010
1998	1,033.71	0.5256	327.36	0.0263	698.49	0.1010
1999	1,033.71	0.5256	327.36	0.0263	698.49	0.1010
2000	1,033.71	0.5256			698.49	0.1010
2001	1,033.71	0.5256			698.49	0.1010
2002	1,033.71	0.5256			698.49	0.1010
2003	1,033.71	0.5256			698.49	0.1010
2004	1,033.71	0.5256			231.00	0.0360
2005	1,033.71	0.5256			231.00	0.0360
2006	1,033.71	0.5256			231.00	0.0360
2007	1,033.71	0.5256			231.00	0.0360
2008	1,033.71	0.5256			231.00	0.0360
2009						
2010						
2011						
2012						
2013						
<b>SUM (lifecycle)</b>	<b>13,803.58</b>	<b>0.53</b>	<b>3,111.12</b>	<b>0.03</b>	<b>7,111.12</b>	<b>0.10</b>
<b>PV</b>	<b>\$ 489.64</b>	<b>\$175.23</b>	<b>\$ 67.17</b>	<b>\$ 1.64</b>	<b>\$242.31</b>	<b>\$ 48.70</b>

	Space Conditioning		Lighting		Refrigeration	
	kWh	kW	kWh	kW	kWh	kW
# of Units	3,912	3,912	61,974	61,974	2,839	2,839
Resource Benefit (\$100, gross)	\$ 1,910	\$ 691	\$ 4,566	\$ 111	\$ 693	\$ 139
Net-to-Gross Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Resource Benefit (\$100, net)	\$ 1,910	\$ 691	\$ 4,566	\$ 111	\$ 693	\$ 139
Impact Study References:						
Study used for Forecast						
Required 1st ILY Study, 2nd Claim						
Required Persistence, 3rd Claim						
Required Persistence, 4th Claim						

**Notes**

Values reported in lower section are used to calculate PV for each end use element in a bottom-up approach, i.e., PV=RBg of units

Southern California Edison

Table E-2  
Recorded Costs and  
Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1994  
Program: Residential New Construction  
(\$1994, in thousands)

	End Use Totals			Number of Units		Average Per Unit	
	Space Conditioning	Misc.	Total	Space Conditioning	Misc.	Space Conditioning	Misc.
<b>First Earnings Claim</b>							
1 Measurement Costs (Lifecycle)	\$ 0	\$ 0	\$ 0	2,502	540	\$ 0.00	\$ 0.00
2 Administration	\$ 325	\$ 55	\$ 380	2,502	540	\$ 0.13	\$ 0.10
3 Program Incentives	\$ 765	\$ 128	\$ 893	2,502	540	\$ 0.31	\$ 0.24
4 Program Costs (1.2 + 1.3)	\$ 1,090	\$ 183	\$ 1,273	2,502	540	\$ 0.44	\$ 0.34
5 Incremental Measure Costs, gross	\$ 570	\$ 196	\$ 766	2,502	540	\$ 0.23	\$ 0.36
6 Resource Benefits, gross	\$ 886	\$ 149	\$ 1,035	2,502	540	\$ 0.35	\$ 0.28
7 Net-to-Gross Ratio	1.00	1.00	1.00	2,502	540	\$ 0.00	\$ 0.00
8 Incremental Measure Costs, net	\$ 570	\$ 196	\$ 766	2,502	540	\$ 0.23	\$ 0.36
9 Resource Benefits, net	\$ 886	\$ 149	\$ 1,035	2,502	540	\$ 0.35	\$ 0.28
<b>Second Earnings Claim</b>							
10 Measurement Costs (Lifecycle)	\$ 0	\$ 0	\$ 0	2,502	540	\$ 0.00	\$ 0.00
11 Administration	\$ 325	\$ 55	\$ 380	2,502	540	\$ 0.13	\$ 0.10
12 Program Incentives	\$ 765	\$ 128	\$ 893	2,502	540	\$ 0.31	\$ 0.24
13 Program Costs (1.2 + 1.3)	\$ 1,090	\$ 183	\$ 1,273	2,502	540	\$ 0.44	\$ 0.34
14 Incremental Measure Costs, gross	\$ 570	\$ 196	\$ 766	2,502	540	\$ 0.23	\$ 0.36
15 Resource Benefits, gross	\$ 886	\$ 149	\$ 1,035	2,502	540	\$ 0.35	\$ 0.28
16 Net-to-Gross Ratio	1.00	1.00	1.00	2,502	540	\$ 0.00	\$ 0.00
17 Incremental Measure Costs, net	\$ 570	\$ 196	\$ 766	2,502	540	\$ 0.23	\$ 0.36
18 Resource Benefits, net	\$ 886	\$ 149	\$ 1,035	2,502	540	\$ 0.35	\$ 0.28
<b>Third Earnings Claim</b>							
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Fourth Earnings Claim</b>							
Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:  
Number of units for each end use = dwelling units

Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Residential New Construction  
 (\$1994)  
 Earnings Claim: Second Year

Year	Average Load Impacts Per Unit (Gross)			
	Space Conditioning		Misc.	
	kWh	LW	kWh	LW
1994	413.91	0.39	41.49	0.58
1995	413.91	0.39	41.49	0.58
1996	413.91	0.39	41.49	0.58
1997	413.91	0.39	41.49	0.58
1998	413.91	0.39	41.49	0.58
1999	413.91	0.39	41.49	0.58
2000	413.91	0.39	41.49	0.58
2001	413.91	0.39	41.49	0.58
2002	413.91	0.39	41.49	0.58
2003	413.91	0.39	41.49	0.58
2004	413.91	0.39	41.49	0.58
2005	413.91	0.39	41.49	0.58
2006	413.91	0.39	41.49	0.58
2007	413.91	0.39	41.49	0.58
2008	413.91	0.39	41.49	0.58
2009	413.91	0.39	41.49	0.58
2010	413.91	0.39	41.49	0.58
2011	413.91	0.39	41.49	0.58
2012	413.91	0.39	41.49	0.58
2013	413.91	0.39	41.49	0.58
SUM(life cycle)	7,902.22	0.39	788.22	0.58
PV	\$ 121.64	\$ 162.66	\$ 23.83	\$ 231.28

	Space Conditioning		Misc.	
	kWh	LW	kWh	LW
# of Units	2,502	2,502	540	540
Resource Benefit (\$1000, gross)	\$ 479	\$ 409	\$ 13	\$ 136
Net to Gross Ratio:	1.00	1.00	1.00	1.00
Resource Benefit (\$1000, net)	\$ 479	\$ 409	\$ 13	\$ 136
Impact Study References:				
Study used for Forecast				
Required for ILY Study, 2nd Claim	03168		03168	
Required Persistence, 2nd Claim	Waiver		Waiver	
Required Persistence, 3rd Claim				
Required Persistence, 4th Claim				

Notes:  
 Values reported in lower section are used to calculate PV for each end use element in a 'bottom-up' approach, i.e., PV = RB \* # of units

Southern California Edison

Table E-2  
Recorded Costs and  
Benefits for Shareholder Incentives Programs  
By End Use Element  
Program Year: 1994  
Program: Nonresidential Energy Efficiency Incentives - Commercial  
(\$1994, in thousands)

	End Use Totals							Number of Units						Average Per Unit						
	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	Total	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	
<b>Total End Use Totals</b>																				
1. Investment Costs (1 cycle)	\$ 4	\$ 18	\$ 138	\$ 32	\$ 21	\$ 1	\$ 410	4,158	125,597,657	414,115,987	118	354	708	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.27	\$ 0.08	\$ 0.00	
2. Abandonment	\$ 22	\$ 614	\$ 1,414	\$ 170	\$ 163	\$ 6	\$ 2,438	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.61	\$ 0.36	\$ 0.01	
3. Program incentives	\$ 509	\$ 2,961	\$ 6,513	\$ 820	\$ 714	\$ 27	\$ 10,207	4,158	125,597,657	414,115,987	118	354	708	\$ 0.02	\$ 0.00	\$ 0.00	\$ 2.46	\$ 2.13	\$ 0.02	
4. Program Costs (2-13)	\$ 122	\$ 3,625	\$ 7,959	\$ 1,070	\$ 916	\$ 33	\$ 13,725	4,158	125,597,657	414,115,987	118	354	708	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.67	\$ 2.59	\$ 0.05	
5. Investment & Abandonment Costs, gross	\$ 45	\$ 18,200	\$ 42,161	\$ 6,632	\$ 7,065	\$ 105	\$ 74,567	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.80	\$ 1.94	\$ 0.15	
6. Resource Benefits, gross	\$ 503	\$ 32,113	\$ 96,928	\$ 18,569	\$ 13,759	\$ 500	\$ 171,114	4,158	125,597,657	414,115,987	118	354	708	\$ 0.02	\$ 0.00	\$ 0.00	\$ 1.43	\$ 2.36	\$ 0.71	
7. Tax Credits & etc.	0.00	0.00	0.76	0.00	0.00	0.00	0.76	4,158	125,597,657	414,115,987	118	354	708	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.00	
8. Investment & Abandonment Costs, net	\$ 21	\$ 11,889	\$ 24,432	\$ 11,336	\$ 5,648	\$ 84	\$ 58,932	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.13	\$ 1.96	\$ 0.12	
9. Resource Benefits, net	\$ 503	\$ 31,657	\$ 95,695	\$ 18,135	\$ 13,059	\$ 80	\$ 170,347	4,158	125,597,657	414,115,987	118	354	708	\$ 0.02	\$ 0.00	\$ 0.00	\$ 1.13	\$ 2.18	\$ 0.52	
<b>Second Year Total</b>																				
10. Investment Costs (1 cycle)	\$ 4	\$ 18	\$ 138	\$ 32	\$ 21	\$ 1	\$ 410	4,158	125,597,657	414,115,987	118	354	708	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.27	\$ 0.08	\$ 0.00	
11. Abandonment	\$ 21	\$ 529	\$ 1,292	\$ 174	\$ 149	\$ 3	\$ 2,278	4,158	125,597,657	414,115,987	118	354	708	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1.41	\$ 0.42	\$ 0.01	
12. Program incentives	\$ 91	\$ 2,225	\$ 5,962	\$ 764	\$ 679	\$ 24	\$ 10,316	4,158	125,597,657	414,115,987	118	354	708	\$ 0.02	\$ 0.00	\$ 0.00	\$ 0.92	\$ 1.95	\$ 0.03	
13. Program Costs (2-13)	\$ 111	\$ 3,313	\$ 7,271	\$ 978	\$ 878	\$ 31	\$ 12,544	4,158	125,597,657	414,115,987	118	354	708	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.29	\$ 2.37	\$ 0.04	
14. Investment & Abandonment Costs, gross	\$ 39	\$ 12,246	\$ 30,419	\$ 3,503	\$ 4,512	\$ 37	\$ 20,266	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.31	\$ 1.48	\$ 0.14	
15. Resource Benefits, gross	\$ 40	\$ 31,392	\$ 65,793	\$ 13,590	\$ 10,217	\$ 304	\$ 111,823	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.15	\$ 2.94	\$ 0.63	
16. Tax Credits & etc.	0.00	0.00	0.77	0.00	0.00	0.00	0.77	4,158	125,597,657	414,115,987	118	354	708	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.00	\$ 0.00	
17. Investment & Abandonment Costs, net	\$ 31	\$ 11,931	\$ 23,829	\$ 3,202	\$ 5,233	\$ 78	\$ 55,854	4,158	125,597,657	414,115,987	118	354	708	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.05	\$ 1.78	\$ 0.13	
18. Resource Benefits, net	\$ 40	\$ 31,816	\$ 65,315	\$ 13,011	\$ 8,199	\$ 247	\$ 104,913	4,158	125,597,657	414,115,987	118	354	708	\$ 0.02	\$ 0.00	\$ 0.00	\$ 0.93	\$ 2.16	\$ 0.51	
19. Total End Use Totals	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
20. Excess Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
21. Total End Use Totals	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
22. Excess Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Notes on Number of Units:  
 1. Motors: 1 Whp per horsepower  
 2. Space Conditioning: 1 Whp per square foot  
 3. Lighting: 1 Whp per square foot per 100 sq ft  
 4. Refrigeration: 1 Whp per ton  
 5. Water Svc: 1 Whp per acre-foot



Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Nontresidential Energy Efficiency Incentives - Commercial  
 (\$1994)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Motors		Space Conditioning		Lighting		Process		Refrigeration		Water Sys.	
	kWh	LW	kWh	LW	kWh	LW	kWh	LW	kWh	LW	kWh	LW
1994	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
1995	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
1996	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
1997	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
1998	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
1999	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2000	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2001	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2002	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2003	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2004	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2005	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2006	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2007	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2008	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2009	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2010	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2011	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2012	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
2013	189.20	0.07	0.85	0.00	0.41	0.00	351,406.16	39.10	81,059.14	13.11	690.69	1.09
SEMI (lifecycle)	2,818.00	0.07	11.27	0.00	4.91	0.00	4,411,818.00	39.10	81,059.14	13.11	7,597.35	1.09
PV	\$ 84.17	\$ 21.47	\$ 0.29	\$ 0.01	\$ 0.13	\$ 0.02	\$109,241.84	\$5,683.52	\$26,196.49	\$2,748.42	\$ 237.88	\$ 191.34

	Motors		Space Conditioning		Lighting		Process		Refrigeration		Water Sys.	
	kWh	LW	kWh	LW	kWh	LW	kWh	LW	kWh	LW	kWh	LW
# of Units	4,358	4,358	125,597,657	125,597,657	411,115,917	411,115,917	118	118	354	354	708	708
Resource Benefit (\$100, gross)	\$ 367	\$ 94	\$ 36,891	\$ 4,445	\$ 57,218	\$ 8,555	\$ 12,891	\$ 789	\$ 9,274	\$ 973	\$ 168	\$ 135
Net to Gross Ratio	0.80	0.80	0.81	0.81	0.77	0.77	0.80	0.80	0.80	0.80	0.80	0.80
Resource Benefit (\$100, net)	\$ 293	\$ 75	\$ 31,072	\$ 3,744	\$ 43,798	\$ 6,547	\$ 10,313	\$ 631	\$ 7,419	\$ 778	\$ 133	\$ 108
Impact Study References												
Study used for Forecast	III 87,88,92		III 87,88,92		III 561		III 87,88,92		III 87,88,92		III 87,88,92	
Required for IIV Study, 2nd Claim	III 516		III 516		III 516		III 516		III 516		III 516	
Required Persistence, 3rd Claim	III 529		III 529		III 529		III 529		III 529		III 529	
Required Persistence, 6th Claim	III 547		III 547		III 547		III 547		III 547		III 547	

Notes

Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV = RB \* # of units



Southern California Edison

Table E-3  
Components of Resource Benefit Values  
Program Year: 1994  
Program: Nonresidential Energy Efficiency Incentives - Industrial  
Earnings Claim: Second Year  
(\$1994)

Average Load Impacts Per Unit (Gross)

Year	Floors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc
1994	0.07	2.47	0.40	0.00	0.06	500.00
1995	0.07	2.47	0.40	0.00	0.06	500.00
1996	0.07	2.47	0.40	0.00	0.06	500.00
1997	0.07	2.47	0.40	0.00	0.06	500.00
1998	0.07	2.47	0.40	0.00	0.06	500.00
1999	0.07	2.47	0.40	0.00	0.06	500.00
2000	0.07	2.47	0.40	0.00	0.06	500.00
2001	0.07	2.47	0.40	0.00	0.06	500.00
2002	0.07	2.47	0.40	0.00	0.06	500.00
2003	0.07	2.47	0.40	0.00	0.06	500.00
2004	0.07	2.47	0.40	0.00	0.06	500.00
2005	0.07	2.47	0.40	0.00	0.06	500.00
2006	0.07	2.47	0.40	0.00	0.06	500.00
2007	0.07	2.47	0.40	0.00	0.06	500.00
2008	0.07	2.47	0.40	0.00	0.06	500.00
2009	0.07	2.47	0.40	0.00	0.06	500.00
2010	0.07	2.47	0.40	0.00	0.06	500.00
2011	0.07	2.47	0.40	0.00	0.06	500.00
2012	0.07	2.47	0.40	0.00	0.06	500.00
2013	0.07	2.47	0.40	0.00	0.06	500.00
1994	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1995	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1996	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1997	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1998	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1999	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2000	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2001	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2002	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2003	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2004	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2005	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2006	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2007	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2008	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2009	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2010	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2011	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2012	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
2013	2.81800	0.07	4.74	0.00	5,961,355.66	7,500.00
1994	0.07	2.47	0.40	0.00	0.06	500.00
1995	0.07	2.47	0.40	0.00	0.06	500.00
1996	0.07	2.47	0.40	0.00	0.06	500.00
1997	0.07	2.47	0.40	0.00	0.06	500.00
1998	0.07	2.47	0.40	0.00	0.06	500.00
1999	0.07	2.47	0.40	0.00	0.06	500.00
2000	0.07	2.47	0.40	0.00	0.06	500.00
2001	0.07	2.47	0.40	0.00	0.06	500.00
2002	0.07	2.47	0.40	0.00	0.06	500.00
2003	0.07	2.47	0.40	0.00	0.06	500.00
2004	0.07	2.47	0.40	0.00	0.06	500.00
2005	0.07	2.47	0.40	0.00	0.06	500.00
2006	0.07	2.47	0.40	0.00	0.06	500.00
2007	0.07	2.47	0.40	0.00	0.06	500.00
2008	0.07	2.47	0.40	0.00	0.06	500.00
2009	0.07	2.47	0.40	0.00	0.06	500.00
2010	0.07	2.47	0.40	0.00	0.06	500.00
2011	0.07	2.47	0.40	0.00	0.06	500.00
2012	0.07	2.47	0.40	0.00	0.06	500.00
2013	0.07	2.47	0.40	0.00	0.06	500.00
1994	0.07	2.47	0.40	0.00	0.06	500.00
1995	0.07	2.47	0.40	0.00	0.06	500.00
1996	0.07	2.47	0.40	0.00	0.06	500.00
1997	0.07	2.47	0.40	0.00	0.06	500.00
1998	0.07	2.47	0.40	0.00	0.06	500.00
1999	0.07	2.47	0.40	0.00	0.06	500.00
2000	0.07	2.47	0.40	0.00	0.06	500.00
2001	0.07	2.47	0.40	0.00	0.06	500.00
2002	0.07	2.47	0.40	0.00	0.06	500.00
2003	0.07	2.47	0.40	0.00	0.06	500.00
2004	0.07	2.47	0.40	0.00	0.06	500.00
2005	0.07	2.47	0.40	0.00	0.06	500.00
2006	0.07	2.47	0.40	0.00	0.06	500.00
2007	0.07	2.47	0.40	0.00	0.06	500.00
2008	0.07	2.47	0.40	0.00	0.06	500.00
2009	0.07	2.47	0.40	0.00	0.06	500.00
2010	0.07	2.47	0.40	0.00	0.06	500.00
2011	0.07	2.47	0.40	0.00	0.06	500.00
2012	0.07	2.47	0.40	0.00	0.06	500.00
2013	0.07	2.47	0.40	0.00	0.06	500.00

Notes	Net to Gross Ratio	Resource Benefit (\$/hr, gross)	Resource Benefit (\$/hr, net)	Logan Study Reference	Study used for Forecast	Required Existence, 3rd Claim	Required Existence, 4th Claim
14,353	0.80	\$ 4,355	\$ 3,081	n/a	n/a	BDR 517	BDR 517
12,982,472	0.80	\$ 9,137	\$ 211	n/a	n/a	BDR 529	BDR 517
123,649,256	0.35	\$ 1,151	\$ 401	n/a	n/a	BDR 517	BDR 517
123,649,256	0.76	\$ 20,317	\$ 15,339	n/a	n/a	BDR 529	BDR 517
1,161	0.82	\$ 1,409	\$ 1,161	n/a	n/a	BDR 517	BDR 517
181	0.65	\$ 22,774	\$ 50,533	n/a	n/a	BDR 517	BDR 517
181	0.84	\$ 3,469	\$ 3,500	n/a	n/a	BDR 529	BDR 517
8	0.33	\$ 1,015	\$ 338	n/a	n/a	n/a	n/a
8	0.33	\$ 187	\$ 99	n/a	n/a	n/a	n/a
6,988	0.33	\$ 1,502	\$ 396	n/a	n/a	n/a	n/a
6,988	0.33	\$ 137	\$ 22	n/a	n/a	n/a	n/a

Values reported in lower section are used to calculate IIV for each end use element in a bottom up approach, i.e., IIV = R/Fg \* of units

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Table E-2  
Recorded Costs and Benefits for Shareholder Incentives Programs by End Use Element Program Year: 1994  
Program: Nonresidential Energy Efficiency Incentives - Agricultural (1994, in thousands)

	End Use Totals							Number of Units (Gross)						Average Per Unit						
	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	Total	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	Motors	Space Conditioning	Lighting	Process	Refrigeration	Water Svc	
First Quarter of 1994																				
1 Clearing Costs (100 sq ft)	\$ 1	\$ 1	\$ 0	\$ 2	\$ 3	\$ 24	\$ 30	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.10	\$ 0.19	\$ 0.00	
2 Allowance	\$ 23	\$ 4	\$ 3	\$ 0	\$ 6	\$ 62	\$ 99	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.51	\$ 0.00	
3 Program Incentives	\$ 27	\$ 22	\$ 13	\$ 101	\$ 99	\$ 1,018	\$ 1,283	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 1.19	\$ 0.25	\$ 0.02	
4 Program Costs (12.5 kWh)	\$ 50	\$ 22	\$ 18	\$ 107	\$ 145	\$ 1,041	\$ 1,383	597	640,916	1,578,381	24	12	65,647	\$ 0.08	\$ 0.00	\$ 0.00	\$ 4.45	\$ 0.76	\$ 0.02	
5 Incremental Measure Costs, gross	\$ 5	\$ 39	\$ 102	\$ 1,540	\$ 814	\$ 8,143	\$ 10,221	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 66.31	\$ 70.87	\$ 0.13	
6 Resource Benefits, gross	\$ 0.4	\$ 357	\$ 201	\$ 1,664	\$ 1,038	\$ 14,850	\$ 20,300	597	640,916	1,578,381	24	12	65,647	\$ 0.11	\$ 0.05	\$ 0.00	\$ 68.34	\$ 136.34	\$ 0.26	
7 Net Resource Benefits	\$ 0.89	\$ 0.88	\$ 0.89	\$ 0.84	\$ 0.89	\$ 0.89	\$ 0.89	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.04	\$ 0.03	\$ 0.00	
8 Incremental Measure Costs, net	\$ 5	\$ 35	\$ 93	\$ 1,115	\$ 740	\$ 7,334	\$ 9,631	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 50.70	\$ 67.36	\$ 0.11	
9 Resource Benefits, net	\$ 0.47	\$ 318	\$ 150	\$ 1,081	\$ 1,458	\$ 11,997	\$ 18,565	597	640,916	1,578,381	24	12	65,647	\$ 0.10	\$ 0.00	\$ 0.00	\$ 61.71	\$ 121.52	\$ 0.23	
Second Quarter of 1994																				
10 Clearing Costs (100 sq ft)	\$ 1	\$ 1	\$ 0	\$ 2	\$ 3	\$ 24	\$ 30	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.10	\$ 0.19	\$ 0.00	
11 Allowance	\$ 18	\$ 4	\$ 3	\$ 0	\$ 6	\$ 49	\$ 78	597	640,916	1,578,381	24	12	65,647	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.21	\$ 0.41	\$ 0.00	
12 Program Incentives	\$ 21	\$ 22	\$ 13	\$ 101	\$ 99	\$ 1,018	\$ 1,283	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 1.19	\$ 0.25	\$ 0.02	
13 Program Costs (12.5 kWh)	\$ 45	\$ 22	\$ 18	\$ 106	\$ 104	\$ 1,040	\$ 1,361	597	640,916	1,578,381	24	12	65,647	\$ 0.08	\$ 0.00	\$ 0.00	\$ 4.40	\$ 0.66	\$ 0.02	
14 Incremental Measure Costs, gross	\$ 4	\$ 31	\$ 21	\$ 126	\$ 642	\$ 6,155	\$ 7,790	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 51.32	\$ 55.32	\$ 0.10	
15 Resource Benefits, gross	\$ 0.4	\$ 253	\$ 222	\$ 1,318	\$ 1,293	\$ 8,841	\$ 12,006	597	640,916	1,578,381	24	12	65,647	\$ 0.09	\$ 0.00	\$ 0.00	\$ 34.74	\$ 107.79	\$ 0.13	
16 Net Resource Benefits	\$ 0.84	\$ 0.89	\$ 0.83	\$ 0.84	\$ 0.89	\$ 0.87	\$ 0.84	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.04	\$ 0.03	\$ 0.00	
17 Incremental Measure Costs, net	\$ 0	\$ 20	\$ 22	\$ 1,117	\$ 573	\$ 3,175	\$ 4,966	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 46.56	\$ 45.24	\$ 0.03	
18 Resource Benefits, net	\$ 0.48	\$ 218	\$ 197	\$ 1,169	\$ 1,654	\$ 11,555	\$ 18,072	597	640,916	1,578,381	24	12	65,647	\$ 0.08	\$ 0.00	\$ 0.00	\$ 48.72	\$ 95.94	\$ 0.06	
Third Quarter of 1994																				
19 Clearing Costs (100 sq ft)	\$ 1	\$ 1	\$ 0	\$ 2	\$ 3	\$ 24	\$ 30	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.10	\$ 0.19	\$ 0.00	
20 Allowance	\$ 23	\$ 4	\$ 3	\$ 0	\$ 6	\$ 62	\$ 99	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.51	\$ 0.00	
21 Program Incentives	\$ 27	\$ 22	\$ 13	\$ 101	\$ 99	\$ 1,018	\$ 1,283	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 1.19	\$ 0.25	\$ 0.02	
22 Program Costs (12.5 kWh)	\$ 50	\$ 22	\$ 18	\$ 107	\$ 145	\$ 1,041	\$ 1,383	597	640,916	1,578,381	24	12	65,647	\$ 0.08	\$ 0.00	\$ 0.00	\$ 4.45	\$ 0.76	\$ 0.02	
23 Incremental Measure Costs, gross	\$ 5	\$ 39	\$ 102	\$ 1,540	\$ 814	\$ 8,143	\$ 10,221	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 66.31	\$ 70.87	\$ 0.13	
24 Resource Benefits, gross	\$ 0.4	\$ 357	\$ 201	\$ 1,664	\$ 1,038	\$ 14,850	\$ 20,300	597	640,916	1,578,381	24	12	65,647	\$ 0.11	\$ 0.05	\$ 0.00	\$ 68.34	\$ 136.34	\$ 0.26	
25 Net Resource Benefits	\$ 0.89	\$ 0.88	\$ 0.89	\$ 0.84	\$ 0.89	\$ 0.89	\$ 0.89	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.04	\$ 0.03	\$ 0.00	
26 Incremental Measure Costs, net	\$ 5	\$ 35	\$ 93	\$ 1,115	\$ 740	\$ 7,334	\$ 9,631	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 50.70	\$ 67.36	\$ 0.11	
27 Resource Benefits, net	\$ 0.47	\$ 318	\$ 150	\$ 1,081	\$ 1,458	\$ 11,997	\$ 18,565	597	640,916	1,578,381	24	12	65,647	\$ 0.10	\$ 0.00	\$ 0.00	\$ 61.71	\$ 121.52	\$ 0.23	
Fourth Quarter of 1994																				
28 Clearing Costs (100 sq ft)	\$ 1	\$ 1	\$ 0	\$ 2	\$ 3	\$ 24	\$ 30	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.10	\$ 0.19	\$ 0.00	
29 Allowance	\$ 23	\$ 4	\$ 3	\$ 0	\$ 6	\$ 62	\$ 99	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 0.26	\$ 0.51	\$ 0.00	
30 Program Incentives	\$ 27	\$ 22	\$ 13	\$ 101	\$ 99	\$ 1,018	\$ 1,283	597	640,916	1,578,381	24	12	65,647	\$ 0.04	\$ 0.00	\$ 0.00	\$ 1.19	\$ 0.25	\$ 0.02	
31 Program Costs (12.5 kWh)	\$ 50	\$ 22	\$ 18	\$ 107	\$ 145	\$ 1,041	\$ 1,383	597	640,916	1,578,381	24	12	65,647	\$ 0.08	\$ 0.00	\$ 0.00	\$ 4.45	\$ 0.76	\$ 0.02	
32 Incremental Measure Costs, gross	\$ 5	\$ 39	\$ 102	\$ 1,540	\$ 814	\$ 8,143	\$ 10,221	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 66.31	\$ 70.87	\$ 0.13	
33 Resource Benefits, gross	\$ 0.4	\$ 357	\$ 201	\$ 1,664	\$ 1,038	\$ 14,850	\$ 20,300	597	640,916	1,578,381	24	12	65,647	\$ 0.11	\$ 0.05	\$ 0.00	\$ 68.34	\$ 136.34	\$ 0.26	
34 Net Resource Benefits	\$ 0.89	\$ 0.88	\$ 0.89	\$ 0.84	\$ 0.89	\$ 0.89	\$ 0.89	597	640,916	1,578,381	24	12	65,647	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.04	\$ 0.03	\$ 0.00	
35 Incremental Measure Costs, net	\$ 5	\$ 35	\$ 93	\$ 1,115	\$ 740	\$ 7,334	\$ 9,631	597	640,916	1,578,381	24	12	65,647	\$ 0.01	\$ 0.00	\$ 0.00	\$ 50.70	\$ 67.36	\$ 0.11	
36 Resource Benefits, net	\$ 0.47	\$ 318	\$ 150	\$ 1,081	\$ 1,458	\$ 11,997	\$ 18,565	597	640,916	1,578,381	24	12	65,647	\$ 0.10	\$ 0.00	\$ 0.00	\$ 61.71	\$ 121.52	\$ 0.23	
Third Quarter of 1994 Percent Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Quarter of 1994 Percent Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:  
 kWh - Units - kWh per response  
 Space Conditioning Units - kWh per square foot  
 Lighting Units - kWh per square foot  
 Refrigeration and Process Units - Number of projects  
 Water Svc Units - kWh per acre-foot

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Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Nonresidential Energy Efficiency Incentives - Agricultural  
 (\$1994)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Motors		Space Conditioning		Lighting		Process		Refrigeration		Water Uses	
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
1994	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
1995	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
1996	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
1997	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
1998	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
1999	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
2000	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
2001	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
2002	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
2003	189.20	0.06	0.88	0.00	0.48	0.00	160,939.57	26.72	279,100.63	25.29	333.50	0.05
2004	189.20	0.06	0.88	0.00					279,100.63	25.29	333.50	0.05
2005	189.20	0.06	0.88	0.00					279,100.63	25.29	333.50	0.05
2006	189.20	0.06	0.88	0.00					279,100.63	25.29	333.50	0.05
2007	189.20	0.06	0.88	0.00					279,100.63	25.29	333.50	0.05
2008	189.20	0.06	0.88	0.00					279,100.63	25.29	333.50	0.05
2009			0.88	0.00								
2010			0.88	0.00								
2011			0.88	0.00								
2012			0.88	0.00								
2013			0.88	0.00								
Subtotal (life cycle)	2,818.00	0.06	16.71	0.00	4.75	0.00	1,609,395.70	26.72	4,186,509.52	25.29	3,002.50	0.05
PV	\$ 7269	\$ 1792	\$ 0.38	\$ 0.06	\$ 0.13	\$ 0.01	\$ 49,965.79	\$ 4,775.46	\$ 100,862.69	\$ 6,931.87	\$ 119.55	\$ 15.08

	Motors		Space Conditioning		Lighting		Process		Refrigeration		Water Uses	
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
# of Units	577	577	610,916	610,916	1,578,384	1,578,384	24	24	12	12	65,667	65,667
Resource Benefit (\$1000, gross)	\$ 43	\$ 11	\$ 211	\$ 41	\$ 200	\$ 21	\$ 1,199	\$ 115	\$ 1,210	\$ 83	\$ 7,850	\$ 920
Net to Gross Ratio	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.47	0.47
Resource Benefit (\$1000, net)	\$ 39	\$ 10	\$ 213	\$ 36	\$ 178	\$ 19	\$ 1,067	\$ 102	\$ 1,077	\$ 74	\$ 3,690	\$ 465
Impact Study References												
Study used for Forecast												
Required 1st ILY Study, 2nd Claim	n/a		n/a		n/a		n/a		n/a			WD518A
Required Persistence, 3rd Claim												WD529
Required Persistence, 4th Claim												WD543

Notes

Values reported in lower section are used to calculate PV for each end use element in a bottom up approach, i.e., PV = RB \* I of units

Southern California Edison

**Table E-2**  
**Recorded Costs and**  
**Benefits for Shareholder Incentives Programs**  
**By End Use Element**  
**Program Year: 1994**  
**Program: Nonresidential New Construction**  
**(\$1994, in thousands)**

		End Use Totals	Number of Units (Gross)	Average Per Unit
		Whole Building	Whole Building	Whole Building
<b>First Earnings Claim</b>				
1	Measurement Costs (Lifecycle)	\$ 0	254,813	\$ 0.00
2	Administration	\$ 3,939	254,813	\$ 0.02
3	Program Incentives	\$ 5,519	254,813	\$ 0.02
4	Program Costs (1 2 + 1.3)	\$ 9,458	254,813	\$ 0.04
5	Incremental Measure Costs, gross	\$ 10,477	254,813	\$ 0.04
6	Resource Benefits, gross	\$ 29,289	254,813	\$ 0.11
7	Net-to-Gross Ratio	0.88	254,813	\$ 0.00
8	Incremental Measure Costs, net	\$ 9,220	254,813	\$ 0.04
9	Resource Benefits, net	\$ 25,774	254,813	\$ 0.10
<b>Second Earnings Claim</b>				
10	Measurement Costs (Lifecycle)	\$ 0	254,813	\$ 0.00
11	Administration	\$ 3,939	254,813	\$ 0.02
12	Program Incentives	\$ 5,519	254,813	\$ 0.02
13	Program Costs (1 2 + 1.3)	\$ 9,458	254,813	\$ 0.04
14	Incremental Measure Costs, gross	\$ 10,477	254,813	\$ 0.04
15	Resource Benefits, gross	\$ 26,885	254,813	\$ 0.11
16	Net-to-Gross Ratio	0.61	254,813	\$ 0.00
17	Incremental Measure Costs, net	\$ 6,686	254,813	\$ 0.03
18	Resource Benefits, net	\$ 17,157	254,813	\$ 0.07
<b>Third Earnings Claim</b>		N/A	N/A	N/A
Revised Net Resource Benefits				
<b>Fourth Earnings Claim</b>		N/A	N/A	N/A
Revised Net Resource Benefits				

Note:  
 INRM Conversion -  
 had impacts whole building

Southern California Edison

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Nonresidential New Construction  
 (\$1994)  
 Earnings Claim: Second Year

Average Load Impacts Per Unit (Gross)

Year	Whole Building	
	kWh	kW
1994	265.29	0.01
1995	265.29	0.01
1996	265.29	0.01
1997	265.29	0.01
1998	265.29	0.01
1999	265.29	0.01
2000	265.29	0.01
2001	265.29	0.01
2002	265.29	0.01
2003	265.29	0.01
2004	265.29	0.01
2005	265.29	0.01
2006	265.29	0.01
2007	265.29	0.01
2008	265.29	0.01
2009	265.29	0.01
2010	265.29	0.01
2011	265.29	0.01
2012	265.29	0.01
2013	265.29	0.01
SUM(Lifecycle)	5,010.54	0.01
PV	\$ 95.80	\$ 9.31

	Whole Building	
	kWh	kW
# of Units	254,813	254,813
Resource Benefit (\$000, gross)	\$ 24,411	\$ 2,475
Net to Gross Ratio	0.61	0.61
Resource Benefit (\$000, net)	\$ 15,578	\$ 1,529
Impact Study References		
Study used for Forecast	n/a	
Required 1st IIV Study, 2nd Claim	DD# 322	
Required Persistence, 3rd Claim	DD# 530	
Required Persistence, 4th Claim	DD# 518	

Notes

Values reported in lower section are used to calculate PV for each end use element in a bottom up approach, i.e., PV = RB # of units

A.97-05-002 et al ALJ/MEG/bwg

**Southern California Gas Company**

**PY96 First Earnings Claim  
E-Tables**



Table E-1  
 Earnings Claim Summary Table Shared Savings Programs  
 Program Year 1996  
 Southern California Gas Company  
 (in thousands of 1996 dollars)

DESCRIBE	SHARE SAVINGS PROGRAMS												
	Per Unit Energy Efficiency Incentive Programs					New Construction Program			Partials			Total s/MC	
	EMRE	RAE1	CEE1	REE1	AEE1	Total	Res.	Novus	Total	Res.	Novus		Total
<b>PROCEEDS</b>													
Cash and Benefits For Earnings (000's)													
1. Measurement Costs			\$ 345			\$ 345					\$ 345		\$ 345
2. Administration	\$ 272	\$ 1,253				\$ 1,525				\$ 272	\$ 1,253		\$ 1,525
3. Program Incentives	\$ 700	\$ 1,614				\$ 2,314				\$ 700	\$ 1,614		\$ 2,314
4. Program Costs	\$ 1,400	\$ 2,517				\$ 3,917				\$ 1,400	\$ 2,517		\$ 3,917
5. Incremental Measure Costs, net (P&I)	\$ 2,127	\$ 2,567				\$ 4,694				\$ 2,127	\$ 2,567		\$ 4,694
6. Resource Benefits, net (P&I)	\$ 4,459	\$ 4,130				\$ 8,589				\$ 4,459	\$ 4,130		\$ 8,589
<b>Target Earnings (000's)</b>													
10. Target Earnings Rate (15%/12)	30%	30%				30%				30%	30%		30%
11. Performance Earnings Rate, 1st Class	\$ 2,833	\$ 2,813				\$ 5,646				\$ 2,833	\$ 2,813		\$ 5,646
12. Target Earnings Rate	\$ 1,400	\$ 2,517				\$ 3,917				\$ 1,400	\$ 2,517		\$ 3,917
13. Target Earnings	\$ 516	\$ 874				\$ 1,390				\$ 516	\$ 874		\$ 1,390
14. Target Earnings	132	136				132				132	136		132
15. Target Earnings	213	172				132				213	172		132
<b>RECORDED FIRST EARNINGS CLAIM (1995 YEAR)</b>													
Cash and Benefits For Earnings (000's)													
Recorded Measurement Costs			\$ 345			\$ 345					\$ 345		\$ 345
Recorded Administration	\$ 561	\$ 1,040				\$ 1,601				\$ 561	\$ 1,040		\$ 1,601
Recorded Program Incentives	\$ 434	\$ 945				\$ 1,379				\$ 434	\$ 945		\$ 1,379
Recorded Incremental Measure Costs, net	\$ 1,216	\$ 1,606				\$ 2,822				\$ 1,216	\$ 1,606		\$ 2,822
Recorded Resource Benefits, net	\$ 3,076	\$ 3,016				\$ 6,092				\$ 3,076	\$ 3,016		\$ 6,092
Recorded Performance Earnings Rate	\$ 1,561	\$ 2,752				\$ 4,313				\$ 1,561	\$ 2,752		\$ 4,313
Recorded P&I (15%/12) Measurement	27%	30%				100%				27%	30%		100%
Recorded Earnings	\$ 466	\$ 1,136				\$ 1,602				\$ 466	\$ 1,136		\$ 1,602
15C BCR, with Earnings	132	172				132				132	172		132
15C BCR, with Earnings	213	172				132				213	172		132
Earnings Distribution Share (1st Class)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claims to Recovery (1st Class)	\$ 117	\$ 264				\$ 381				\$ 117	\$ 264		\$ 381
<b>Second Earnings Claim</b>													
Recorded Resource Benefits, net													
Recorded P&I													
Recorded Earnings													
Earnings Distribution Share (2nd Class)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for 2nd Class													
Earnings Recovery from 1st and 2nd Class													
Recorded Incremental Earnings													
<b>Third Earnings Claim</b>													
Recorded Resource Benefits, net													
Recorded P&I													
Recorded Earnings													
Earnings Distribution Share (3rd Class)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for 3rd Class													
Earnings Recovery from 1st and 2nd Class													
Recorded Incremental Earnings													
<b>Fourth Earnings Claim</b>													
Recorded Resource Benefits, net													
Recorded P&I													
Recorded Earnings													
Earnings Distribution Share (4th Class)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for 4th Class													
Earnings Recovery from 1st, 2nd and 3rd Class													
Recorded Incremental Earnings													
<b>Total Earnings</b>	\$ 117	\$ 264				\$ 381				\$ 117	\$ 264		\$ 381

\* Incremental costs are not deducted from the program's P&I to the program's 1st class target earnings distribution. They are however, deducted from the total P&I to determine the total s/MC. The program's 1st, 2nd, 3rd, 4th and 5th class s/MC are reported on the table to the left.

Table E-1  
Earnings Claim Summary Table Performance Adder Programs  
Program Year 1996  
Southern California Gas Company

DESCRIPTION	PERFORMANCE ADDER PROGRAMS												SS & PA TOTAL
	Employee Management Services Programs				On-Call Assistance Program				Pay Rate				
	REMS	CEMS	REMS	AEMS	Total	Min	Max	Total	Rate	Rate	OP	Total	
<b>1996</b>													
<b>Costs and Benefits for Earnings (PDC's)</b>													
1 Measurement Costs	273	130	425		828	313	169	482	273	367	482	1,042	1,991
2 Administration	879	2,647	3,526		4,406	2,605	724	3,329	879	3,010	3,329	7,278	8,312
3 Program Incentives	0	0	0		0	2,581	4,403	11,996	0	0	11,996	11,996	14,318
4 Program Costs	879	2,647	3,526		4,406	46,196	5,127	15,325	879	3,010	15,325	19,212	24,130
5 Unfunded Measurement Costs, not PDC'd	209	409	0		618	2,581	3,870	11,431	209	409	11,431	12,049	16,293
6 Resource Benefits, not PDC'd	764	8,483	8,381		11,593	5,821	1,875	8,097	764	10,824	6,097	18,490	29,387
<b>Target Earnings (PDC's)</b>													
10 Target Earnings Rate (1996) (N)	5%	5%	5%	5%	5%	0%	5%	5%	5%	5%	5%	5%	5%
12 Performance Earnings Rate, not PDC'd	0	6,543	190		6,734	(5,177)	(2,075)	(8,052)	0	6,733	(8,052)	(1,319)	3,278
15a Target Earnings Base	828	2,647	3,526		4,406	46,196	5,127	15,325	828	3,010	15,325	19,212	24,130
18 Target Earnings	31	132	39	0	272	0	256	256	0	33	(42)	66	610
19C BCR, with Earnings	88	237	111		236	845	839	839	88	237	839	839	1,095
19C BCR, with Earnings	136	140	81		248	879	835	834	122	240	835	834	1,158
<b>1996 B-1 FIRST EARNINGS CLAIM (1996/1997)</b>													
<b>Costs and Benefits for Earnings (PDC's)</b>													
Measured Measurement Costs	56	19	75		110	10	10	10	56	19	10	10	10
Measured Administration	643	2,673	3,316		3,702	2,832	896	3,528	643	2,760	3,528	6,330	8,331
Measured Program Incentives	0	0	0		0	2,334	4,778	12,113	0	0	12,113	12,113	13,524
Measured Unfunded Measurement Costs, not PDC'd	80	431	0		511	2,334	4,782	12,146	80	431	12,146	12,627	15,493
Measured Resource Benefits, not PDC'd	1,531	11,631	1,106		14,268	2,274	5,120	3,402	1,531	12,320	3,402	17,674	26,778
Measured Performance Earnings Base (1996)	1,815	8,321	38		10,274	(7,647)	(1,549)	(1,815)	1,815	8,480	(1,815)	(5,515)	3,659
Measured Target Earnings (1996) (N) (minimum 75%)	229,109%	14,279	194%		156%				229,109%	144%			142%
Measured Earnings	21	167	29		152	0	227	227	21	130	227	379	1,032
19C BCR, with Earnings	237	1,555	114		363	0	0	0	237	283	0	0	1,06
19C BCR, with Earnings	330	347	144		425	0	0	0	330	411	0	0	1,14
Earnings Distribution Share (1st Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Earnings Claim for Recovery (1st Claim)	0	26	2		30	0	52	52	0	33	52	95	483
<b>Second Earnings Claim</b>													
Measured Performance Benefits, not PDC'd (1996)													
Measured Earnings	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Earnings Distribution Share (2nd Claim)													
Measured Earnings for 2nd Claim													
Earnings Performance on 1st and 2nd Claim													
Measured Unfunded Earnings													
<b>Third Earnings Claim</b>													
Measured Performance Benefits, not PDC'd (1996)													
Measured Earnings	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Earnings Distribution Share (3rd Claim)													
Measured Earnings for 3rd Claim													
Earnings Performance on 1st, 2nd and 3rd Claim													
Measured Unfunded Earnings													
<b>Fourth Earnings Claim</b>													
Measured Performance Benefits, not PDC'd (1996)													
Measured Earnings	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Earnings Distribution Share (4th Claim)													
Measured Earnings for 4th Claim													
Earnings Performance on 1st, 2nd and 3rd Claim													
Measured Unfunded Earnings													
<b>Total Earnings</b>	1	0	0	0	0	0	0	0	0	0	0	0	0

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1996  
 Program: Res Energy Efficiency Incentives (REEI - Delta ProTech Bidding)  
 Earnings Claim: First Year

First Earnings Claim	End Use Totals (\$ thousands)				Number of Units			Average Per Unit (\$ dollars)		
	WATHT(g)			Total	WATHT(g)			WATHT(g)		
1 Measurement Costs					345					
2 Administration	\$ 561			\$ 561				\$ 1,625		
3 Program Incentives	\$ 431			\$ 431				\$ 1,250		
4 Program Costs	\$ 992			\$ 992				\$ 2,875		
5 Incremental Measure Costs, gross	\$ 1,216			\$ 1,216				\$ 3,523		
6 Resource Benefits, gross	\$ 3,076			\$ 3,076				\$ 8,915		
7 Net to Gross Ratio	100	100	100	100				NA	NA	NA
8 Incremental Measure Costs, net	\$ 1,216			\$ 1,216				\$ 3,523		
9 Resource Benefits, net	\$ 3,076			\$ 3,076				\$ 8,915		
Second Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Res Energy Efficiency Incentives (REEI - Delta ProTech Bidd  
 Earnings Claim: First Year  
 (1996 Dollars)  
 Page 1 of 1

Year	Average Lead Impact Per Unit (Gross)		
	LW	1Wh	Therms
1996			2,070.00
1997			2,070.00
1998			2,070.00
1999			2,070.00
2000			2,070.00
2001			2,070.00
2002			2,070.00
2003			2,070.00
2004			2,070.00
2005			2,070.00
2006			2,070.00
2007			2,070.00
2008			2,070.00
2009			2,070.00
2010			2,070.00
2011			
2012			
2013			
2014			
2015			
2016			
2017			
2018			
2019			
2020			
<b>SUM (6 Accruals)</b>			<b>31,105.00</b>
<b>W</b>			<b>0.815</b>

# of Units  
 Resource Benefit (\$000, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$000, Net)

Impact Study References  
 Study used for Forecast  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

LW	WATHI (g)		Therms
	1Wh	Therms	
			345
			\$ 2,070
			1.00
			\$ 2,070
Study ID: B			

Notes  
 (1) Values reported in lower section are used to calculate PV for each and are shown in a bottom of approach, i.e., PV R

Table E-2

## Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996

Program: Com'l Equipment Replacement (CEEI) [Page 1 of 2] -- Please note, Program Totals are on Page 2

(in thousands of 1996 Dollars)

	End Use Totals						Number of Units						Average Per Unit (\$ dollars)				
	SPHT(g) Boilers	COOK(g) Cooling	MISC(g) Gas Engines	AC(g) A/C Double for Single Effect	AC(g) A/C Double Effect	SPHT(g) R 19 Ceiling Insulation	SPHT(g) Boilers	COOK(g) Cooling	MISC(g) Gas Engines	AC(g) A/C - Double for Single Effect	AC(g) A/C - Double Effect	SPHT(g) R-19 Ceiling Insulation	SPHT(g) Boilers	COOK(g) Cooling	MISC(g) Gas Engines	AC(g) A/C - Double for Single Effect	AC(g) A/C - Double Effect
1 Measurement Costs	n/a	n/a	n/a	n/a	n/a	n/a	113,293	168,930	4,319	700		470,271	n/a	n/a	n/a	n/a	n/a
2 Administration	\$ 71	\$ 359	\$ 36	\$ 23	\$ 5	\$ 108						\$ 663	\$ 190	\$ 828	\$ 3233		
3 Program Incentives	\$ 111	\$ 542	\$ 120	\$ 31	\$ 5	\$ 32						\$ 698	\$ 287	\$ 2288	\$ 4825		
4 Program Costs	\$ 183	\$ 901	\$ 156	\$ 56	\$ 5	\$ 140						\$ 161	\$ 477	\$ 3616	\$ 8058		
5 Incremental Measure Costs	\$ 248	\$ 1,024	\$ 135	\$ 372		\$ 224						\$ 239	\$ 542	\$ 3126	\$ 53169		
6 Resource Benefits, gross	\$ 519	\$ 5,277	\$ 719	\$ 367		\$ 494						\$ 458	\$ 2793	\$ 16443	\$ 52463		
7 Net to Gross Ratio	0.75	0.75	0.75	0.75	0.75	0.75											
8 Incremental Measure Costs, net	\$ 186	\$ 768	\$ 101	\$ 279		\$ 168						\$ 164	\$ 407	\$ 2344	\$ 39877		
9 Resource Benefits, net	\$ 383	\$ 3,858	\$ 539	\$ 275		\$ 370						\$ 343	\$ 2095	\$ 12482	\$ 39347		
Second Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-2 (REVISED)

Recorded Costs and Benefits for Shareholder Incentives Programs

By End Use Element

Program Year: 1996

Program: Com1 Equipment Replacement (CEE1) [Page 2 of 2]

(in thousands of 1996 Dollars)

SP11(g) R 19 Ceiling Insulation	First Earnings Claim	End Use Totals					Number of Units				Average Per Unit (\$ dollars)			
		WATHT(g) Water Heating				Total	WATHT(g) Water Heating				WATHT(g) Water Heating			
n/a	1 Measurement Costs	n/a	n/a	n/a	n/a	\$ 640	65,783				n/a	n/a	n/a	n/a
\$ 0.23	2 Administration	\$ 38				\$ 945					\$ 0.58			
\$ 0.07	3 Program Incentives	\$ 105				\$ 1,585					\$ 1.60			
\$ 0.30	4 Program Costs	\$ 143				\$ 2,142					\$ 2.18			
\$ 0.48	5 Incremental Measure Costs	\$ 139				\$ 2,757					\$ 2.11			
\$ 1.05	6 Resource Benefits, gross	\$ 382				\$ 0.75					\$ 5.80			
	7 Net to Gross Ratio	0.75				\$ 1,606					NA	NA	NA	NA
\$ 0.36	8 Incremental Measure Costs	\$ 104				\$ 5,018					\$ 1.58			
\$ 0.79	9 Resource Benefits, net	\$ 286									\$ 4.35			
N/A	Second Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3  
 Components of Resource Benefit Values  
 Program Year 1996  
 Program Comb Equipment Replacement (CEER)  
 Earnings Claim First Year  
 (1996 Dollars)  
 Page 1 of 2

Average Load Impacts Per Unit (Gross)

Year	SFHH(g) Boilers			COOR(g) Cooling			MISC(g) Gas Engines			AC(g) A/C - Double for Single ER			AC(g) A/C - Double Effect			SFHH(g) R-19 Ceiling Insulation		
	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms
1996			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
1997			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
1998			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
1999			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2000			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2001			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2002			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2003			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2004			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2005			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2006			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2007			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2008			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2009			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2010			3,245.30			1,010.39			10,711.50			62,707.35				1.00	4,527.00	647.77
2011																1.00	4,527.00	647.77
2012																1.00	4,527.00	647.77
2013																1.00	4,527.00	647.77
2014																1.00	4,527.00	647.77
2015																1.00	4,527.00	647.77
2016																1.00	4,527.00	647.77
2017																1.00	4,527.00	647.77
2018																1.00	4,527.00	647.77
2019																1.00	4,527.00	647.77
2070																1.00	4,527.00	647.77
Sum (g Accrue)			40,670.56			12,624.78			164,677.50			1,000,000.00				1.00	90,540.00	13,395.47
FY			0.11,194			0.3,844			0.36,844			0.209,852						0.194

	SFHH(g) Boilers			COOR(g) Cooling			MISC(g) Gas Engines			AC(g) A/C - Double for Single ER			AC(g) A/C - Double Effect			SFHH(g) R-19 Ceiling Insulation		
	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms
# of Units			40			1,333			49			2						60
Resource Benefit (\$1000, gross)			0.519			0.5,217			0.719			0.261						0.494
Net to Gross Ratio			0.75			0.75			0.75			0.75			0.33			0.75
Resource Benefit (\$100, net)			0.389			0.3,950			0.539			0.197						0.370
Input Study References																		
Study used for Forecast			Study ID #			Study ID #			Study ID #			Study ID #			Study ID #			Study ID #
Required for LUTY Study, 2nd Claim																		
Required for Persistence, 3rd Claim																		
Required for Persistence, 4th Claim																		

[0]

Notes

(1) Values reported in lower section are used to calculate FY for each end use element in a bottom up approach, i.e., FY PBg of units

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1996  
 Program: Com1 Equipment Replacement (CEE1)  
 Earnings Claim: First Year  
 (1996 Dollars)  
 Page 2 of 2

Year	Average Load Impacts Per Unit (Gross)		
	WATHT (g) Water Heating		
	LW	LWh	Therma
1996			490.22
1997			490.22
1998			490.22
1999			490.22
2000			490.22
2001			490.22
2002			490.22
2003			490.22
2004			490.22
2005			490.22
2006			490.22
2007			490.22
2008			490.22
2009			490.22
2010			490.22
2011			490.22
2012			490.22
2013			490.22
2014			490.22
2015			490.22
2016			490.22
2017			490.22
2018			490.22
2019			490.22
2020			490.22
<b>Sum (Average)</b>			<b>7,353.91</b>
<b>FV</b>			<b>1,017</b>

# of Units  
 Resource Benefit (\$100, gross)  
 Net to Gross Ratio  
 Resource Benefit (\$100, net)

Impact Study Preferences  
 Study used for forecast  
 Required 1st ILY Study, 2nd Claim  
 Required Persistence, 3rd Claim  
 Required Persistence, 4th Claim

	WATHT (g) Water Heating		
	LW	LWh	Therma
			210
			307
			0.75
			206
Study N/A			

Notes  
 (1) Values reported in lower section are used to calculate FV for each end use etc



Program Year: 1996  
Southern California Gas Company

	DAP NonMan	Res EMS	Com'l EMS	Ind'l EMS	Aggr. EMS
a Electricity Expenditures (\$000)					
b Electricity Savings (mWh)					
c Electricity Program Cost Ratio (a/b)					
d Previous Year's Electricity Program Cost Ratio					
e Relative Electricity Program Cost Ratio (c/d)					
f Gas Expenditures (\$000)	\$5,675	\$443	\$2,023	\$737	
g Gas Savings (Mtherms)	3,520	3,830	32,092	3,503	
h Gas Program Cost Ratio (f/g)	1.61	0.12	0.06	0.21	
i1 Prev Year Gas Exp (\$000)	\$4,633	\$1,055	\$1,524	\$595	
i2 Prev Year Gas Savings (Mtherms)	6,200	2,427	24,023	5,102	
l Previous Year's Gas Program Cost Ratio	0.89	0.43	0.06	0.12	
j Relative Gas Program Cost Ratio (h/l)	1.81	0.27	0.99	1.80	
k Total Expenditures (a+f)	\$5,675	\$443	\$2,023	\$737	
l Weighted Relative Program Cost Ratio $[e \cdot (a/k) + j \cdot (l/k)]$					
m Performance Factor <sup>1</sup>	0.80	1.20	1.01	0.80	
n Lifecycle Earnings (\$000) $[k \cdot .05 \cdot l]$	\$227	\$21	\$102	\$29	

<sup>1</sup> The performance factor is required to be no smaller than 0.8 and no greater than 1.2.

<sup>2</sup> The Residential EMS Incentive is less than .05 \* l \* k, since only the HEFS spending is eligible for an Incentive.

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**Southern California Gas Company**

**PY95 Second Earnings Claim  
E-Tables**

Table E-1 (REVISED)  
 Earnings Claim Summary Table: Shared Savings Programs  
 Program Year: 1999  
 Southern California Gas Company

CORE CASE	SHARE SAVING PROGRAMS												
	Shared Savings Programs						New Savings Programs			Payoffs			
	PWR	RAB	CEM	EU	ALM	Total	Net	Source	Total	Net	Source	Total	
<b>CORE CASE</b>													
Costs and Benefits For Savings (2001 \$)													
1 Measurement Costs			17			17		1,098	1,098		1,112	1,112	
2 Administration			1,325			1,325		1,062	1,062		2,006	2,006	
3 Program Incentives			2,178			2,178		872	872		3,301	3,301	
4 Program Costs			4,543			4,543		1,334	1,334		4,778	4,778	
5 Incremental Measure Costs, net (PWC)			8,243			8,243		2,326	2,326		8,771	8,771	
6 Program Benefits, net (PWC)			12,779			12,779		4,121	4,121		16,900	16,900	
<b>Total Savings (2001 \$)</b>													
10 Total Savings Ratio (LUM) (%)			30%			30%		30%	30%		30%	30%	
11 Performance Savings Ratio, a target of LUM			2,707			2,707		1,704	1,704		4,411	4,411	
12 Total Savings Ratio			0,363			0,363		1,004	1,004		1,367	1,367	
13 Total Savings			1,363			1,363		809	809		1,672	1,672	
TMC BCR, with Savings			1.07			1.07		1.30	1.30		1.44	1.44	
UC BCR, with Savings			2.41			2.41		1.61	1.61		1.77	1.77	
<b>RECORDED - FIRST EARNINGS CLAIM (1998 AEAP)</b>													
Costs and Benefits For Savings (2001 \$)													
Recorded Measurement Costs			24			24		24	24		24	24	
Recorded Administration			1,011			1,011		730	730		1,237	1,237	
Recorded Program Incentives			1,579			1,579		510	510		1,917	1,917	
Recorded Incremental Measure Costs, net			2,879			2,879		1,279	1,279		4,057	4,057	
Recorded Program Benefits, net			11,041			11,041		4,600	4,600		16,201	16,201	
Recorded Performance Savings Ratio of LUM			16,341			16,341		2,102	2,102		13,203	13,203	
Recorded PWR in (1st) Calendar Year			1,279			1,279		20%	20%		1,479	1,479	
Corresponding Savings Costs Looking 1st yr			0			0		0	0		0	0	
Recorded Savings			1,163			1,163		711	711		1,644	1,644	
TMC BCR, with Savings			1.00			1.00		1.04	1.04		1.06	1.06	
UC BCR, with Savings			2.34			2.34		2.20	2.20		2.32	2.32	
Earnings Distribution Share (1st Calendar)	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	
Earnings Claim by Program (1st Calendar)	0	0	778	0	0	778	0	100	100	0	878	878	
<b>Second Earnings Claim</b>													
Recorded Program Benefits, net													
Recorded PWB													
Recorded Savings													
Earnings Distribution Share (2nd Calendar)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Recorded Savings for 2nd Calendar													
Earnings Recovered from 1st Calendar													
Recorded Net Recorded Savings													
<b>Third Earnings Claim</b>													
Recorded Program Benefits, net													
Recorded PWB													
Recorded Savings													
Earnings Distribution Share (3rd Calendar)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Recorded Savings for 3rd Calendar													
Earnings Recovered from 1st and 2nd Calendar													
Recorded Net Recorded Savings													
<b>Fourth Earnings Claim</b>													
Recorded Program Benefits, net													
Recorded PWB													
Recorded Savings													
Earnings Distribution Share (4th Calendar)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Recorded Savings for 4th Calendar													
Earnings Recovered from 1st, 2nd, and 3rd Calendar													
Recorded Net Recorded Savings													
<b>Total Savings</b>	0	0	778	0	0	778	0	101	101	0	879	879	



Table 2 (REVISED)  
 Record of Costs and Benefits for Shareholder Incentive Programs  
 By End Use Element  
 Program Year: 1999  
 Program: Caval Equipment Regiment (CEER) (Page 1 of 2) - Miscellaneous, Program Totals are on Page 2  
 (in thousands of 1993 Dollars)

Program Element	Total Costs						Number of SFAs						Average SFA Benefit					
	1994-98	1999	1994-98	1999	1994-98	1999	1994-98	1999	1994-98	1999	1994-98	1999	1994-98	1999	1994-98	1999		
Administrative Costs	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
Program Costs	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700		
Program Benefits	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Net Program Benefit	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
Program Benefit per SFA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Program Benefit per SFY	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Program Benefit per SFY per SFA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Program Benefit per SFY per SFY	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Program Benefit per SFY per SFY per SFA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		

Table E-2 (REVISED)  
 Records of Costs and Benefits for Shareholder Investment Programs  
 By End Use Element  
 Program Year: 1993  
 Program: Canal Equipment Replacement (CEER) (Page 2 of 2)  
 (in thousands of 1994 Dollars)

End Use Element	End Use Costs					Number of Units				Amount Per Unit of Service			
	MOCC Program	MOCC Total	MOCC A to Outstanding	ACM	Total	MOCC Program	MOCC Total	MOCC A to Outstanding	ACM	MOCC Program	MOCC Total	MOCC A to Outstanding	ACM
1 Measurement Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Administration	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Program Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Program Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Investment in Canal Costs, gross	236	236	236	0	0	0	0	0	0	0	0	0	0
6 Reserve Benefits, gross	721	721	721	0	0	0	0	0	0	0	0	0	0
7 Pre-Oper Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Investment in Canal Costs, net	236	236	236	0	0	0	0	0	0	0	0	0	0
9 Reserve Benefits, net	721	721	721	0	0	0	0	0	0	0	0	0	0
10 Canal Savings Costs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11 Canal Savings Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12 Canal Savings Costs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13 Canal Savings Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA







Table E-2 (REVISED)  
 Recorded Costs and Benefits for Shareholder Incentive Programs  
 By End Use Element  
 Program Year: 1995  
 Program: Commercial New Construction (CNC)  
 (In thousands of 1995 Dollars)

First Earnings Class	End Use Totals				Number of Sites			Average Pys (1995 dollars)		
	WATH(\$)	COOK(\$)	AC(\$)	Total	WATH(\$)	COOK(\$)	AC(\$)	WATH(\$)	COOK(\$)	AC(\$)
1 Measurement Costs	na	na	na		34,664	213,389	200	na	na	na
2 Administration	0	848	97	945				0.17	3.94	483.19
3 Program Incentives	15	900	28	943				1.00	4.24	505.09
4 Program Costs	40	1,551	117	1,708				1.17	7.27	883.19
5 Incremental Measure Costs, gross	38	1,523	111	1,733				1.18	7.16	1,541.8
6 Resource Benefits, gross	180	1,006	248	2,440				0.51	21.84	1,228.50
7 Net to-Gross Ratio	0.75	0.71	0.78	0.75				NA	NA	NA
8 Incremental Measure Costs, net	44	1,142	112	1,300				1.20	1.30	646.60
9 Resource Benefits, net	112	8,254	184	8,586				0.13	24.63	821.43
Second Earnings Class Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Class Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Class Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Table E-3 (REVISED)**  
**Components of Resource Benefit Values**  
**Program Year: 1995**  
**Program: Commercial New Construction (CNC)**  
**Earnings Claim: First Year**  
**(1995 Dollars)**  
**Page 1 of 1**

Average (and Range) Per Unit (Row)

Year	MATH (sq)			COOR (sq)			ACM		
	sq	sq	Range	sq	sq	Range	sq	sq	Range
1995			1,363.00			1,363.00	178.83	013,543.00	00,700.00
1996			1,363.00			1,363.00	178.83	013,543.00	00,700.00
1997			1,363.00			1,363.00	178.83	013,543.00	00,700.00
1998			1,363.00			1,363.00	178.83	013,543.00	00,700.00
1999			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2000			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2001			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2002			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2003			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2004			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2005			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2006			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2007			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2008			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2009			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2010			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2011			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2012			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2013			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2014			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2015			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2016			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2017			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2018			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2019			1,363.00			1,363.00	178.83	013,543.00	00,700.00
2020			1,363.00			1,363.00	178.83	013,543.00	00,700.00
<b>Sub Total (Acres)</b>			<b>54,045.00</b>			<b>11,700.00</b>	<b>178.83</b>	<b>013,543.00</b>	<b>00,700.00</b>
<b>CV</b>			<b>11.473</b>			<b>0.000</b>			<b>00,700.00</b>

0 at USPs  
 Resource Benefit (1995) 0.00  
 Net to Green Path  
 Resource Benefit (1995) 0.00

Input Study Reference  
 Study used for Special  
 Required for US Study, 2nd Cycle  
 Required for US Study, 3rd Cycle  
 Required for US Study, 4th Cycle

Year	MATH (sq)			COOR (sq)			ACM			
	sq	sq	Range	sq	sq	Range	sq	sq	Range	
			14			1,547			1	
			100			7,000			210	
			075			075			075	
			142			1,204			142	
Study D 2				Study D 1				Study D 3		

Note:  
 (1) Values reported in lower section are used to calculate PV for each and are shown in a "bottom-up" approach, i.e., PV of 1st cycle

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**Southern California Gas Company**

**PY94 Second Earnings Claim  
E-Tables**

Table E-1  
 Earnings Claim Summary Table - Shared Savings Programs  
 Program Year: 1991  
 Southern California Gas Company

	SHARED SAVINGS PROGRAMS											
	Pilot Energy Efficiency Incentive Programs						New Construction Programs			Participating		
	RWPS	RAES	CEES	WEA	DEES	Total	Res	Nonres	Total	Res	Nonres	Total
<b>FORECAST</b>												
Cash and Benefits For Earnings (000's \$)												
1 Measurement Costs			\$ 1,044	\$ 2,179		\$ 3,223					\$ 3,223	\$ 3,223
2 Administration			\$ 1,042	\$ 2,379		\$ 3,421					\$ 3,421	\$ 3,421
3 Program Incentives			\$ 3,208	\$ 3,481		\$ 6,689					\$ 6,689	\$ 6,689
4 Program Costs			\$ 3,013	\$ 1,371		\$ 4,384					\$ 4,384	\$ 4,384
5 Incremental Measure Costs, net (P&A)			\$ 0,120	\$ 0,000		\$ 120					\$ 120	\$ 120
6 Resource Benefits, net (P&A)						\$ 15,198					\$ 15,198	\$ 15,198
Total Earnings (000's \$)												
10 Target Earnings Rate (TER) (%)			14%	14%								
12 Performance Earnings Basis, at target			\$ 4,080	\$ 2,618		\$ 6,698					\$ 6,698	\$ 6,698
17a Target Earnings Basis			\$ 3,208	\$ 2,481		\$ 5,689					\$ 5,689	\$ 5,689
18 Target Earnings			\$ 485	\$ 489		\$ 974					\$ 974	\$ 974
TRC BCR, with Earnings			1.77	1.50		1.67					1.90	1.90
UC BCR, with Earnings			2.41	1.54		1.98					2.24	2.24
<b>RECORDED FIRST EARNINGS CLAIM (1985-1987)</b>												
Cash and Benefits For Earnings (000's \$)												
Recorded Measurement Costs			\$ 304	\$ 304		\$ 608					\$ 608	\$ 608
Recorded Administration			\$ 1,099	\$ 1,879		\$ 2,978					\$ 2,978	\$ 2,978
Recorded Program Incentives			\$ 1,808	\$ 1,564		\$ 3,372					\$ 3,372	\$ 3,372
Recorded Incremental Measure Costs			\$ 1,136	\$ 2,001		\$ 3,137					\$ 3,137	\$ 3,137
Recorded Resource Benefits, net			\$ 15,042	\$ 10,811		\$ 25,853					\$ 25,853	\$ 25,853
Recorded Performance Earnings Basis			\$ 8,817	\$ 8,251		\$ 17,068					\$ 17,068	\$ 17,068
Recorded ME BCR (Net) (Minimum 1)			201%	220%		218%					216%	216%
Corresponding Earnings Basis (at 14% TER)			\$ 385	\$ 478		\$ 863					\$ 863	\$ 863
Recorded Earnings			\$ 385	\$ 478		\$ 863					\$ 863	\$ 863
TRC BCR, with Earnings			2.27	1.87		2.05					2.5%	2.5%
UC BCR, with Earnings			3.04	2.55		2.75					2.5%	2.5%
Earnings Distribution Share (1st Claim)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Earnings Claims for Recovery (1st Claim)	0	0	148	157	0	305	0	0	0	0	305	305
Second Earnings Claim												
Recorded Resource Benefits, net			\$ 15,042	\$ 10,811		\$ 25,853					\$ 25,853	\$ 25,853
Recorded P&A			\$ 8,817	\$ 8,251		\$ 17,068					\$ 17,068	\$ 17,068
Recorded Earnings			\$ 385	\$ 478		\$ 863					\$ 863	\$ 863
Earnings Distribution Share (2nd Claim)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Recorded Earnings for 2nd Claim			\$ 297	\$ 313		\$ 610					\$ 610	\$ 610
Earnings Recovered from 1st Claim			\$ 148	\$ 157		\$ 305					\$ 305	\$ 305
Recorded Incremental Earnings			\$ 149	\$ 157		\$ 306					\$ 306	\$ 306
Third Earnings Claim												
Recorded Resource Benefits, net												
Recorded P&A												
Recorded Earnings												
Earnings Distribution Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for 3rd Claim												
Earnings Recovered from 1st and 2nd Claims												
Recorded Incremental Earnings												
Fourth Earnings Claim												
Recorded Resource Benefits, net												
Recorded P&A												
Recorded Earnings												
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for 4th Claim												
Earnings Recovered from 1st, 2nd, and 3rd Claims												
Recorded Incremental Earnings												
Total Earnings	\$	\$	\$ 297	\$ 313	\$	\$ 610	\$	\$	\$	\$	\$ 610	\$ 610

Table E-1 (PA)  
Earnings Claim Summary Table  
Program Year 1994  
(\$ Thousand, 1994 Dollars)

	PERFORMANCE ADDER PROGRAMS											
	Energy Management Services Program				New Construction Programs			Direct Assistance Programs			Total	
	REMS	CEMS	EUS	AEUS*	Total	Rus	Nonres	Total	Non-Band	Bandwidth		Total
<b>COST AND BENEFITS FOR EARNINGS</b>												
2 Program Administration Costs	\$1,633	\$2,225	\$520		\$4,396	\$1,901	\$1,200	\$3,101	\$2,956	\$1,963	\$4,919	\$12,504
3 Program Incentives	90	90	90		90	\$4,234	\$1,020	\$5,252	\$15,607	\$9,409	\$23,996	\$28,950
4 Total Program Costs (2-3)	\$1,633	\$2,225	\$520		\$4,396	\$6,215	\$2,220	\$8,451	\$18,562	\$11,452	\$28,015	\$40,862
6 Incremental Measure Costs, Net (5-7)	\$700	\$0	\$0		\$700	\$3,454	\$170	\$3,622	\$13,575	\$9,409	\$23,013	\$27,845
5 Net Resource Benefits (net) (5-7)	(\$153)	\$5,054	\$430		\$5,327	\$401	\$3,430	\$3,830	(\$18,315)	(\$4,007)	(\$19,512)	(\$16,142)
<b>TARGET EARNINGS</b>												
16 Target Earnings Rate (TER)	5.00%	5.00%	5.00%		5.00%	10.00%	15.34%	11.41%	5.00%	n/a	5.00%	4.31%
17 Target Earnings Base (EB)	\$1,833	\$2,225	\$520		\$4,396	\$4,215	\$2,220	\$6,432	\$18,562	n/a	\$18,562	\$40,862
18 Target Earnings (TE)	\$92	\$112	\$26		\$228	\$422	\$343	\$765	\$927	n/a	\$927	\$1,211
IRC Benefit/Cost Ratio, With Earnings	0.90	3.01	2.14		2.10	1.95	2.36	1.21	0.29	n/a	0.32	0.73
UC Benefit/Cost Ratio, With Earnings	0.90	3.01	2.14		2.15	1.11	2.31	1.31	0.29	n/a	0.32	0.72
<b>RECORDED - FIRST EARNINGS CLAIM (1995 AE AP)</b>												
Recorded Administration	\$1,320	\$2,001	\$399		\$3,713	\$2,111	\$907	\$3,018	\$2,333	\$5,529	\$7,862	\$12,773
Recorded Incentives	90	90	90		90	\$2,672	\$699	\$3,371	\$8,233	\$8,030	\$16,263	\$19,640
Total Recorded Program Costs (20-21)	\$1,330	\$2,091	\$399		\$3,813	\$4,783	\$1,605	\$6,388	\$10,566	\$13,559	\$24,125	\$32,413
Incremental Measure Cost, Net	\$1,600	\$0	\$0		\$1,600	\$2,961	\$1,095	\$4,056	\$11,774	\$8,025	\$19,799	\$24,095
Net Resource Benefits (net)	(\$330)	\$1,030	\$911		\$1,600	\$333	\$2,860	\$3,262	(\$11,117)	(\$1,990)	(\$19,219)	(\$11,537)
Recorded TER	50.00%	18.91%	2.21%		65.13%	n/a	n/a	n/a	n/a	n/a	0.19%	23.23%
Recorded TE BTE B (%) (Minimum 75%)	37%	16.1%	9%		36%	n/a	n/a	n/a	n/a	n/a	9%	36%
Recorded Earnings	\$67	\$104	\$20		\$191	\$632	\$327	\$959	\$520	n/a	\$520	\$1,077
IRC Benefit/Cost Ratio, With Earnings	0.17	2.21	3.27		1.70	0.75	2.44	0.28	0.20	n/a	0.27	0.60
UC Benefit/Cost Ratio, With Earnings	0.16	2.21	3.27		2.07	0.90	2.44	0.30	0.19	n/a	0.25	0.63
Earnings Distribution Share (1st Claim)	25%	25%	25%		25%	25%	25%	25%	25%	25%	25%	25%
Earnings Distribution Share for Recovery (1st Cl)	\$17	\$26	\$5		\$48	\$150	\$82	\$230	\$132		\$132	\$419
<b>SECOND EARNINGS CLAIM</b>												
Revised Net Resource Benefits (net)						\$333		\$333				\$333
Recorded TE B (TE B)						n/a		0				0
Revised Earnings						\$632		\$632				\$632
Earnings Distribution Share (2nd Claim)						50%		50%				50%
Recorded Earnings for Second Claim						\$316		\$316				\$316
Earnings Recovered from First Claim						\$150		\$150				\$150
Recorded Incremental Earnings						\$150		\$150				\$150
<b>THIRD EARNINGS CLAIM</b>												
Revised Net Resource Benefits (net)						\$		\$				\$
Recorded TE B (TE B)												
Revised Earnings												
Earnings Distribution Share (3rd Claim)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Recorded Earnings for Third Claim												
Earnings Recovered from 1st & 2nd Claims												
Recorded Incremental Earnings												
<b>FOURTH EARNINGS CLAIM</b>												
Revised Net Resource Benefits (net)												
Recorded TE B (TE B)												
Revised Earnings												
Earnings Distribution Share (4th Claim)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Recorded Earnings for Fourth Claim												
Earnings Recovered from 1st, 2nd & 3rd Claims												
Recorded Incremental Earnings												

\* AEUS records and accomplishments are reported into CEMS

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1991  
 Program: Comt Equipment Replacement (CEEI) (Page 1 of 2) -- Please note, Program Totals are on Page 2  
 (in thousands of 1991 Dollars)

	End Use Totals						Number of Units						Average Per Unit (\$ Dollars)					
	SPHT(g)	WATH(g)	COOK(g)	MSC(g) Dryers	MSC(g) Engines	MSC(g) Lofloc Burners	SPHT(g)	WATH(g)	COOK(g)	MSC(g) Dryers	MSC(g) Engines	MSC(g) Lofloc Burners	SPHT(g)	WATH(g)	COOK(g)	MSC(g) Dryers	MSC(g) Engines	MSC(g) Lofloc Burners
First Earnings Claim																		
1 Measurement Costs	n/a	n/a	n/a	n/a	n/a	n/a	1,004	310	955	030	0	25	n/a	n/a	n/a	n/a	n/a	n/a
2 Administration	\$ 413	\$ 428	\$ 396	\$ 264	\$ 0	\$ 30	1,004	310	955	030	0	25	\$ 0.41	\$ 0.41	\$ 0.41	\$ 0.41	\$ 0.41	\$ 0.41
3 Program Incentives	\$ 260	\$ 405	\$ 290	\$ 219	\$ 35	\$ 170	1,004	310	955	030	0	25	\$ 0.24	\$ 0.31	\$ 0.42	\$ 0.54	\$ 1.02	\$ 5.10
4 Program Costs	\$ 710	\$ 533	\$ 735	\$ 483	\$ 30	\$ 130	1,004	310	955	030	0	25	\$ 0.55	\$ 0.72	\$ 0.83	\$ 0.78	\$ 0.73	\$ 5.52
5 Incremental Measure Costs, gross	\$ 173	\$ 070	\$ 725	\$ 483	\$ 35	\$ 150	1,004	310	955	030	0	25	\$ 0.18	\$ 0.19	\$ 0.75	\$ 0.76	\$ 1.02	\$ 0.82
6 Resource Benefits, gross	\$ 909	\$ 1,700	\$ 3,095	\$ 2,002	\$ 368	\$ 420	1,004	310	955	030	0	25	\$ 0.04	\$ 3.77	\$ 3.24	\$ 3.10	\$ 12.90	\$ 97.05
7 Net to Gross Ratio	0.85	0.57	0.81	1.00	0.75	0.75	1,004	310	955	030	0	25	NA	NA	NA	NA	NA	NA
8 Incremental Measure Costs, net	\$ 165	\$ 363	\$ 634	\$ 483	\$ 28	\$ 113	1,004	310	955	030	0	25	\$ 0.15	\$ 1.17	\$ 0.66	\$ 0.78	\$ 2.00	\$ 4.51
9 Resource Benefits, net	\$ 664	\$ 955	\$ 2,727	\$ 2,002	\$ 291	\$ 320	1,004	310	955	030	0	25	\$ 0.06	\$ 3.00	\$ 2.85	\$ 3.10	\$ 32.07	\$ 12.29
Second Earnings Claim Purged Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Purged Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Purged Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E 2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year 1991  
 Program: Com1 Equipment Replacement (CEE) (Page 2 of 2)  
 (in thousands of 1991 Dollars)

End Use Element	End Use Totals						Number of Units					Average Per Unit (\$ dollars)				
	MSC(g) Pipewrap	MSC(g) Tank Insulation	MSC(g) R 19 Ceiling Insula	MSC(g) Greenhouse Insula	AC(g)	Total	MSC(g) Pipewrap	MSC(g) Tank Insulation	MSC(g) R 19 Ceiling Insula	MSC(g) Greenhouse Insula	AC(g)	MSC(g) Pipewrap	MSC(g) Tank Insulation	MSC(g) R 19 Ceiling Insula	MSC(g) Greenhouse Insula	AC(g)
1 Measurement Costs	NA	NA	NA	NA	NA	NA	103	107	152	87	1	NA	NA	NA	NA	NA
2 Administration	\$ 78	\$ 78	\$ 63	\$ 28	\$ 0	\$ 1,439	1,004	310	955	630	0	\$ 0.07	\$ 0.25	\$ 0.07	\$ 0.04	\$ 0.02
3 Program Incentives	\$ 29	\$ 164	\$ 120	\$ 33	\$ 11	\$ 1,006	1,004	310	955	630	0	\$ 0.03	\$ 0.13	\$ 0.13	\$ 0.05	\$ 0.10
4 Program Cash	\$ 100	\$ 242	\$ 187	\$ 81	\$ 19	\$ 3,305	1,004	310	955	630	0	\$ 0.16	\$ 0.78	\$ 0.29	\$ 0.10	\$ 0.10
5 Incremental Measure Costs, gross	\$ 166	\$ 330	\$ 2,099	\$ 117	\$ 31	\$ 3,045	1,004	310	955	630	0	\$ 0.15	\$ 1.06	\$ 0.30	\$ 0.10	\$ 0.10
6 Resource Benefits, gross	\$ 326	\$ 3,069	\$ 1,852	\$ 187	\$ 121	\$ 10,167	1,004	310	955	630	0	\$ 0.30	\$ 10.30	\$ 1.94	\$ 0.29	\$ 13.15
7 Net to Gross Ratio	\$ 0.97	\$ 0.97	\$ 0.97	\$ 0.97	\$ 0.90	\$ 0.90	1,004	310	955	630	0	NA	NA	NA	NA	NA
8 Incremental Measure Costs, net	\$ 181	\$ 320	\$ 2,133	\$ 116	\$ 23	\$ 4,525	1,004	310	955	630	0	\$ 0.15	\$ 1.03	\$ 0.23	\$ 0.10	\$ 0.10
9 Resource Benefits, net	\$ 316	\$ 3,099	\$ 1,796	\$ 187	\$ 98	\$ 15,942	1,004	310	955	630	0	\$ 0.29	\$ 12.75	\$ 1.81	\$ 0.28	\$ 13.05
Second Savings Claim Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Third Savings Claim Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fourth Savings Claim Revised Net Resource Benefits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Com1 Equipment Replacement (CEEI)  
 Earnings Claim: First Year  
 (1991 Dollars)  
 Page 1 of 2

Average Load Impacts Per Unit (Gross)

Year	SETH(g)			WASH(g)			COOK(g)			MSC(g) Dryers			MSC(g) Engines			MSC(g) Lohr Burners		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
1994			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1995			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1996			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1997			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1998			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1999			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2000			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2001			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2002			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2003			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2004			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2005			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2006			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2007			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2008			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2009			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2010			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2011			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2012			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2013			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2014			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2015			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2016			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2017			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
2018			149.00			0,415.05			998.00			012.00			11,100.00			0,412.00
1994-2018 (Average)			2,687.00			20,231.75			11,970.00			12,100.00			111,000.00			60,100.00
FY			0.25			0.271			0.243			0.254			0.250			0.252

	SETH(g)			WASH(g)			COOK(g)			MSC(g) Dryers			MSC(g) Engines			MSC(g) Lohr Burners		
	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms	LW	LWh	Therms
# of Units			0.041			0.110			0.55			0.30			0			0.25
Resource Benefit (\$100, gross)			0.909			0,270			0,209			0,202			0			0,206
Net to Gross Ratio			0.55			0.55			0.38			0.60			0.75			0.75
Resource Benefit (\$100, net)			0.504			0.55			0,277			0,202			0.251			0,206
Input Study References																		
Study used for Forecast	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Required Est. for Study, 2nd Claim																		
Required Persistence, 3rd Claim																		
Required Persistence, 4th Claim																		

Notes  
 (1) Values reported in lower section are used to calculate PV for each end use element in a 'bottom up' approach, i.e., PV, \$/Btu of units



Table 3

Components of Resource Benefit Values

Program Year 1934

Program Component Equipment Replacement (CEEI)

Earnings Claim First Year

(1991 Dollars)

Page 2 of 2

Average Load Impacts Per Unit (Gross)

Year	MSC(g) Pipewrap			MSC(g) Tank Insulation			MSC(g) R 19 Ceiling Insula			MSC(g) Greenhouse Insula			AC(g)		
	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms
1934			447.00			7,830.00			692.00			500.00			64,902.00
1935			447.00			7,830.00			692.00			500.00			64,902.00
1936			447.00			7,830.00			692.00			500.00			64,902.00
1937			447.00			7,830.00			692.00			500.00			64,902.00
1938			447.00			7,830.00			692.00			500.00			64,902.00
1939			447.00			7,830.00			692.00			500.00			64,902.00
2000			447.00			7,830.00			692.00			500.00			64,902.00
2001			447.00			7,830.00			692.00			500.00			64,902.00
2002			447.00			7,830.00			692.00			500.00			64,902.00
2003			447.00			7,830.00			692.00			500.00			64,902.00
2004			447.00			7,830.00			692.00			500.00			64,902.00
2005			447.00			7,830.00			692.00			500.00			64,902.00
2006			447.00			7,830.00			692.00			500.00			64,902.00
2007			447.00			7,830.00			692.00			500.00			64,902.00
2008			447.00			7,830.00			692.00			500.00			64,902.00
2009									692.00			500.00			
2010									692.00			500.00			
2011									692.00			500.00			
2012									692.00			500.00			
2013									692.00			500.00			
2014															
2015															
2016															
2017															
2018															
AAI (Acqch)			8,724.00			117,858.00			13,840.00			10,000.00			574,230.00
Σ			8,724			117,858			13,840			10,000			574,230

	MSC(g) Pipewrap			MSC(g) Tank Insulation			MSC(g) R 19 Ceiling Insula			MSC(g) Greenhouse Insula			AC(g)		
	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms	BW	BWh	Therms
# of Units			105			107			152			67			1
Resource Benefit (\$1000, gross)			\$ 376			\$ 5,669			\$ 1,852			\$ 187			\$ 121
Net to Gross Ratio			0.97			0.97			0.97			0.97			0.75
Resource Benefit (\$1000, net)			\$ 316			\$ 5,499			\$ 1,806			\$ 182			\$ 90
Impact Study References	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Study used for Forecast	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Required Persistence, 2nd Claim	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Required Persistence, 3rd Claim	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Required Persistence, 4th Claim	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		

Notes

(1) Values reported in lower section are used to calculate PV for each end use element in a bottom up approach, i.e., PV = P8g/1 of units

Table E-2  
 Recorded Costs and Benefits for Shareholder Incentives Programs  
 By End Use Element  
 Program Year: 1991  
 Program: Industrial Process Modernization (IEEI)  
 (in thousands of 1991 Dollars)

	End Use Totals						Number of Units					Average Per Unit (\$ dollars)				
	Process Steam	Process Hot Water	Process Heat	Process Cooking	Misc (Burner Repl)	Total	Process Steam	Process Hot Water	Process Heat	Process Cooking	Misc (Burner Repl)	Process Steam	Process Hot Water	Process Heat	Process Cooking	Misc (Burner Repl)
First Earnings Claim																
1 Measurement Costs	n/a	n/a	n/a	n/a	n/a		43	112	345	44	11	n/a	n/a	n/a	n/a	n/a
2 Administration	\$ 236	\$ 268	\$ 1,313	\$ 115	\$ 39	\$ 1,971	43	112	345	44	11	\$ 556	\$ 238	\$ 380	\$ 260	\$ 359
3 Program Incentives	\$ 289	\$ 185	\$ 884	\$ 189	\$ 22	\$ 1,568	43	112	345	44	11	\$ 679	\$ 164	\$ 256	\$ 428	\$ 203
4 Program Costs	\$ 523	\$ 452	\$ 2,197	\$ 304	\$ 60	\$ 3,538	43	112	345	44	11	\$ 1235	\$ 403	\$ 636	\$ 688	\$ 562
5 Incremental Measure Costs, gross	\$ 284	\$ 212	\$ 2,924	\$ 294	\$ 22	\$ 3,735	43	112	345	44	11	\$ 667	\$ 189	\$ 847	\$ 666	\$ 203
6 Resource Benefits, gross	\$ 1,761	\$ 1,621	\$ 9,812	\$ 750	\$ 205	\$ 14,148	43	112	345	44	11	\$ 4143	\$ 1442	\$ 2842	\$ 1700	\$ 1901
7 Net to Gross Ratio	075	075	075	075	075	075	43	112	345	44	11	NA	NA	NA	NA	NA
8 Incremental Measure Costs, net	\$ 213	\$ 159	\$ 2,193	\$ 220	\$ 16	\$ 2,801	43	112	345	44	11	\$ 500	\$ 142	\$ 635	\$ 500	\$ 152
9 Resource Benefits, net	\$ 1,321	\$ 1,216	\$ 7,359	\$ 563	\$ 153	\$ 10,611	43	112	345	44	11	\$ 3107	\$ 1081	\$ 2131	\$ 1275	\$ 1426
Second Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Third Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fourth Earnings Claim Revised Net Resource Benefits	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E-3  
 Components of Resource Benefit Values  
 Program Year: 1994  
 Program: Industrial Process Modernization (IPEI)  
 Earnings Claim: First Year  
 (1994 Dollars)

Average Load Impacts Per Unit (Gross)

Year	Process Steam			Process Hot Water			Process Heat			Process Cooling			Misc (Burner Repl)		
	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms
1994			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1995			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1996			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1997			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1998			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1999			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2000			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2001			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2002			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2003			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2004			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2005			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2006			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2007			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2008			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2009			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2010			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2011			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2012			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2013			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2014			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2015			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2016			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2017			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
2018			0.030 00			3.441 12			5.603 51			3.762 00			5.183 00
1UM (# cycles)			1000000			1000000			128,880.68			25,240.00			77,745.00
1Y			\$ 41,429			\$ 14,420			\$ 28,420			\$ 17,003			\$ 19,808

	Process Steam			Process Hot Water			Process Heat			Process Cooling			Misc (Burner Repl)		
	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms	BW	kWh	Therms
# of Units			43			112			345			44			11
Resource Benefit (\$1000, gross)			\$ 1,761			\$ 1,621			\$ 9,812			\$ 750			\$ 705
Net to Gross Ratio			0.75			0.75			0.75			0.75			0.75
Resource Benefit (\$1000, net)			\$ 1,321			\$ 1,216			\$ 7,359			\$ 563			\$ 533
Input Study References															
Study used for Forecast	Study ID #			Study ID #			Study ID #			Study ID #			Study ID #		
Required 1st IIV Study, 2nd Claim															
Required Persistence, 3rd Claim															
Required Persistence, 4th Claim															

Notes

(1) Values reported in lower section are used to calculate PV for each end use element in a bottom up approach, i.e., PV = PBq/# of units

**Appendix A**  
**List of Appearances**

**Applicants:** Keith Melville and James F. Walsh, Attorneys at Law, for San Diego Gas & Electric Company; Laura A. Larks and Frank J. Cooley, Attorneys at Law, for Southern California Edison Company; Annette Beitel and Robert L. McLennan, Attorneys at Law, for Pacific Gas and Electric Company; and Steven Patrick, Attorney at Law, for Southern California Gas Company.

**Interested Parties:** Robert E. Burt, for Insulation Contractors Association; Ray Czahar, for Economic & Technical Analysis Group; Caryn Hough, Attorney at Law, for California Energy Commission; Ron Knecht, for Consumers for the Public Interest; and Peter Miller, for Natural Resources Defense Council.

**Office of Ratepayer Advocates:** Patrick Berdge and James E. Scarff, Attorneys at Law, and Scott Logan.

(END OF APPENDIX A)