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Charles A Guyton

May 6, 1997

By Hand Delivery

Blanca S Bayo, Director Records and Reporting Florida Public Service Commission 4075 Esplanade Way, Room 110 Tallahassee, Florida 32399-0850

977545-6-

Re: Commercial/Industrial Efficient Lighting Program

Dear Ms Bayo

Enclosed for filing on behalf of Florida Power & Light Company are the original and fifteen (15) copies of Petition For Modification of Florida Power & Light Company's Commercial/Industrial Efficient Lighting Program

If you or your Staff have any questions regarding this filing, please contact me

Very truly yours

Charles A Guyton

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DOCUMENT NUMBER - DATE

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FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition for Modification of)	Docket No.
Florida Power & Light Company's)	
Commercial/Industrial Efficient)	Filed: May 6, 1997
Lighting Program)	

PETITION FOR MODIFICATION OF FLORIDA POWER & LIGHT COMPANY'S COMMERCIAL/INDUSTRIAL EFFICIENT LIGHTING PROGRAM

Florida Power & Light Company ("FPL"), pursuant to Section 366-82(2), Florida Statutes (1995), hereby petitions the Florida Public Service Commission ("Commission") to (1) approve the modifications to FPL's Commercial/Industrial Efficient Lighting Program set forth in this petition and attachments, (2) allow FPL to recover reasonable and prudent expenditures for the modified Commercial/Industrial Efficient Lighting Program, and (3) include FPL's modified Commercial/Industrial Efficient Lighting Program as part of FPL's approved DSM Plan. The grounds for this petition are:

 FPL's address is 9250 West Flagler Street, Miami Florida, 33174 Correspondence, notices, orders and other documents concerning this petition should be sent to:

Matthew M. Childs, P.A. Charles A. Guyton Steel Hector & Davis LLP Suite 601, 215 S. Monroe St. Tallahassee, Florida 32301 William G. Walker Vice President, Regulatory Affairs Florida Power & Light Company 9250 West Flagler Street Miami, Florida 33174

 FPL is an investor-owned electric utility regulated by the Commission pursuant to Chapter 366, Florida Statutes. FPL is subject to the Florida Energy Efficiency Conservation Act ("FEECA"). Section 366.80-85, 413.519, Florida Statutes (1995), and its Energy Conservation

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FPSC-RECORDS/REPORTING

Cost Recovery ("ECCR") clause is subject to the Commission's jurisdiction. FPL has

Commission approved conservation goals. See, Order No. PSC-94-1313-FOF-EG issued on

October 25, 1994. The Commission has previously approved a FPL DSM Plan to meet the goals
approved for FPL. See, Order Nos. 95-1343-S-EG, 95-1343A-S-EG. As part of that DSM Plan
the Commission approved FPL's Commercial/Industrial Efficient Lighting Program. FPL has a
substantial interest in whether this program is modified as requested by FPL in this petition,
approved as part of FPL's DSM Plan, and authorized for cost recovery

- 3. The objective of the Commercial/Industrial Efficient Lighting Program is to reduce the commercial and industrial on-peak lighting and energy usage on FPL's system. Under this program FPL provides incentives to customers (or their designees) for installation of high efficiency, cost effective lighting measures at replacement. The Commercial/Industrial Efficient Lighting Program, as FPL proposes to modify it, is more fully described in Appendix A attached to this petition.
- 4. The Commercial/Industrial Efficient Lighting Program, as modified, will help advance the policy objectives set forth in Rule 25-17.001, Florida Administrative Code and the FEECA As shown in Appendix A, the modified Commercial/Industrial Efficient Lighting Program will reduce cumulative summer peak demand by 17.4 mW and cumulative winter peak demand by 10.9 mW for the period 1998 through 2000. In addition, it will result in a reduction in energy consumption of 72.3 gWh by the year 2000.

- 5. The Commercial/Industrial Efficient Lighting Program, as modified, is projected to be cost-effective. Appendix B, attached hereto, shows the results of the cost-effectiveness analyses of the program using the Commission's methodology prescribed in Rule 25-17 008, Florida Administrative Code and supply option cost and performance assumptions from FPL's most recent resource planning study. FPL seeks to modify the Commercial/Industrial Efficient Lighting Program to make the program cost-effective under current planning assumptions. To make the Commercial/Industrial Efficient Lighting Program cost-effective, FPL has lowered the incentives for eligible measures. This modification has the effect of helping the Commercial/Industrial Efficient Lighting Program to achieve a benefit/cost ratio greater than 1.0 under the RIM and Participants tests.
- 6. The Commercial/Industrial Efficient Lighting Program, as modified, is directly monitorable and will yield measurable results. FPL's monitoring plan is described in Section VI of Appendix A. This is the same monitoring plan which FPL has been following in the existing program, and it has yielded measurable results.
 - 7. FPL is not aware of any disputed issues of material fact
- FPL respectfully requests that this petition be processed with the Commission's Proposed Agency Action procedure, which is recognized in Section 120.80(13)(b), Florida Statutes.

WHEREFORE, FPL respectfully petitions the Commission to (1) approve the Commercial/Industrial Efficient Lighting Program, as modified, (2) allow FPL to recover reasonable and prudent expenditures for the Commercial/Industrial Efficient Lighting Program, as modified, through FPL's ECCR clause, and (3) approve the Commercial/Industrial Efficient Lighting Program, as modified, as part of FPL's approved DSM Plan

Respectfully submitted,

STEEL HECTOR & DAVIS LLP Suite 601, 215 S Monroe St Tallahassee, Florida 32301-1804

Attorneys for Florida Power & Light Company

Charles A Guyton

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition for Modification of)	Docket No.
Florida Power & Light Company's)	
Commercial/Industrial Efficient)	Filed: May 6, 1997
Lighting Program	1	

CERTIFICATE OF SERVICE

I hereby certify that on this the 6th day of May, 1997, a copy of the foregoing Petition for Modification of Florida Power & Light Company's Commercial/Industrial Efficient Lighting Program was served by hand delivery* or First Class United States Mail on the following

Robert V. Elias, Esquire*
Chief o' Electric & Gas
Division of Legal Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Jack Shreve, Esquire
Public Counsel
Office of Public Counsel
Room 812
111 West Madison Street
Tallahassee, Florida 32399-1400

By Maris A Suffor Charles A Guyton

APPENDIX A

COMMERCIAL / INDUSTRIAL EFFICIENT LIGHTING

I. Program Description

The Commercial / Industrial Efficient Lighting (CIL) Program is designed to reduce FPL's commercial and industrial on-peak lighting loads and energy usage. This program encourages eligible commercial and industrial customers to install high efficiency, cost effective lighting measures at time of replacement.

Through th CIL program, FPL will provide incentives to customers, or their designees, for the installation of cost effective, high efficiency lighting recrofit measures. The CIL participating customer will also receive any energy and operating savings derived from the installation of the higher efficiency lighting measures.

FPL plans to make commercial and industrial customers aware of this program through dealers, distributors, contractors, retail outlets and other trade allies, as well as direct contact with potential participants by FPL personnel.

II.Summary of Program Changes

FPL's current Commercial / Industrial Efficient Lighting Program pays an average incentive of \$116 per summer peak kw reduced. Based on the latest cost-effectiveness analysis for this program, the average incentive is being reduced to a level not to exceed \$75 per kw.

III. Description of Program Administration

The CIL Program will be available to commercial and industrial customers who are ready to receive service from FPL and whose facilities are a completed building for which a Certificate of Occupancy, or equivalent approval for occupancy, has been issued. Participating customers must replace existing lighting measures (measures are units of qualifying lighting technologies -- i.e., ballast's, fluorescent and H.I.D. fixtures) with higher efficiency lighting measures that meet the technical requirements, are cost effective, and reduce on-peak summer loads. For customers with facilities that have twenty (20) or less lighting fixtures (a self-contained combination of luminaire, lamp and, if necessary, ballast), all qualifying measures must be performed at the same time and included on the same application. For customers with more than twenty (20) lighting fixtures, multiple incentive applications can be submitted as long as a minimum of twenty (20) measures are installed at each application.

All proposed measures must meet minimum power quality specifications for power factor and total harmonic distortion established by FPL, which will be listed in the Program Standards Product specific power quality ratings reflecting test results from an accredited independent testing facility must be provided. The lighting levels resulting from the installation of measures must meet or exceed standard levels recommended by the Illuminating Engineering Society of North America

Installations can be performed by either the customer or a contractor. Installations must result in a net installed kw reduction, and the customer must provide assurance that the lighting fixtures for which lighting measures are provided an incentive will operate at some point during the hours of 3 P.M. to 6 P.M. on weekdays from April through October 31.

Incentives will be paid to customers, or their designees, and will be based upon the net installed kw reduction for specific measures. Measures will be aggregated into groups reflecting permanence and other factors, and incentives will not exceed an average of \$75 per summer peak kw reduced for all installations. Within cost effectiveness parameters, incentives will be adjusted over time in response to changing market conditions and emergence of new measures. Current incentive values will be listed in the approved Program Standards.

All installations shall be open to inspections before and after installation and prior to payment of incentives. Qualifying measures must be purchased and installed on or after the date the modified program is approved. Proof of purchase and purchase price must be provided to FPL prior to an incentive being paid.

IV. Projected Participation and Savings

The projected demand savings for the period 1998 through 2000 are 17.4 mW of summer peak demand reduction and 10.9 mW of winter peak demand reduction. In addition, the annual reduction in energy consumption by the year 2000 will be 72.3 gWh. The energy consumption and demand reduction projections are based on engineering assumptions and calculations

V. Cost-Effectiveness Analysis

FPL has used the Commission approved cost-effectiveness methodologies required by Rule 25-

17 008 to determine the cost-effectiveness of this program. These cost-effectiveness analyses can be found in Appendix B. These analyses show the following benefit-cost ratios for the Commercial / Industrial Efficient Lighting Program: 2.17 Participants, 1.02 RIM, 1.79 TRC.

VI. Program Monitoring and Evaluation

The impact of this program on demand and energy consumption will be evaluated over time by FPI.

Baseline data will be developed from non-participants, and participants' data will be compared against non-participants' data to establish usage patterns and demand impacts and to validate engineering assumptions.

FPL will utilize any or all three major impact evaluation analysis methods in a manner that most costeffectively meets the overall impact evaluation objectives -- engineering analysis, statistical billing
analysis, and on-site metering research. As these evaluations proceed, the componer to be analyzed
and the periods for which data is available will increase, resulting in continual enhancements in the
scope and accuracy of reported evaluation results

Appendix B

Cost-effectiveness Run

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 PROGRAM COST CALCULATION VALUES ARE SHOWN ON PAGE 2

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## 5.302 1.874 306 5.430 5.136 ## 5.303 1.814 6.02 5.136 6.813 ## 5.303 1.814 6.02 5.136 6.813 ## 5.303 1.814 6.03 6.813 ## 5.303 2.837 6.03 6.813 ## 5.303 2.837 6.03 6.84 ## 5.304 2.837 6.83 6.84 ## 5.304 4.306 5.837 6.837 6.837 ## 5.306 3.807 6.837 6.837 ## 5.307 6.308 7.03 2.804 7.321 ## 5.307 6.308 7.03 2.804 ## 5.307 6.308 7.03 2.804 ## 5.307 6.308 7.03 2.804 ## 6.308 6.308 7.03 2.804 ## 6.308 6.308 7.03 7.03 7.03 ## 6.308 7.03 7.03 7.03 ## 6.308 7.03 7.03 7.03 ## 6.308 6.308 6.308 7.03 ## 6.308 6.308 6.308 7.03 ## 6.308 6.308 6.308 7.03 ## 6.308 6.308 7.03 ## 6.308 6.308 7.03 ## 6.308 6.308 7.03 ## 6.308 6.308 7.03 ## 6.308 6.308 7.03 ## 6.308 6.308 6.308 ## 6.308 6.308 7.03 ## 6.308 6.308 6.308 ## 6.308 6.308 6.308 ## 6.308 ## 6.308 #	## 5.502 (1874 506 5420 5438 ## 5.303 (1874 602 5436 5438 ## 5.303 (1874 602 5436 5438 ## 5.303 (1874 602 603 5436 5438 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 602 603 5446 5437 ## 5.303 (1874 603 5446 5437 ## 5.303 (1874 603 5446 5437 ## 5.303 (1874 603 603 5446 5437 ## 5.303 (1874 603 603 603 603 603 603 ## 6.303 6.303 6.303 6.304 603 603 ## 6.303 6.303 6.304 603 603 603 ## 6.303 6.304 603 603 603 603 ## 6.303 6.304 603 603 603 603 ## 6.303 6.304 603 603 603 603 ## 6.303 6.304 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 ## 6.305 603 603 603 603 ## 6.305 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 603 ## 6.305 603 603 603 603 603 603 ## 6.305 603 603 603 603 603 603 ## 6.305 603 603 603 603 603 603 603 603 603 603		******
M 5,303 1,914 402 5,139 4,661 M 4,734 2,232 400 4,967 3,267 3,264 4,967 3,267	M. 5,303 1,914 402 5,139 4,661 M. 4,734 2,531 604 4,314 4,304 4,314 3,314 4,314 3,314		*******
XX 5,023 2,133 436 4,861 4,367 XX 4,784 2,302 470 4,314 4,314 XX 4,024 2,837 504 4,514 4,017 XX 4,024 2,837 506 4,017 3,707 XX 1,867 3,130 5,130 6,61 3,707 3,707 XX 1,368 3,130 6,61 3,221 2,707 3,707 XX 1,368 3,130 6,61 3,221 2,707 3,707 XX 1,368 3,130 6,61 3,221 2,707 3,707 XX 2,130 4,300 7,03 2,04 2,131 1,864 XX 2,131 4,245 777 2,138 1,864 1,281 RF7 1,146 4,300 4,74 3,74 1,281 1,284 RF7 1,146 4,500 4,74 3,72 1,064 972 RF7	X 4,704 2,133 4,00 4,001 4,001 X 4,704 2,202 4,0 4,001 4,001 X 4,004 2,203 4,0 4,0 4,0 X 4,007 3,10 502 4,0 3,0 X 1,007 3,10 502 3,0 4,0 X 1,007 3,10 6,0 3,0 4,0 X 1,007 3,10 6,0 3,0 3,0 X 2,007 3,00 6,0 3,0 3,0 X 2,007 4,007 700 2,0 2,0 X 2,007 4,007 7,0 2,0 2,0 X 2,007 4,007 7,0 2,0 2		*****
M 4784 2302 470 4387 4314 M 4,006 2,631 504 4,214 4,314 M 4,006 2,110 572 1707 3,170 M 4,007 3,110 572 1707 3,404 M 3,208 4,007 700 2,221 2,241 M 2,100 4,007 700 2,221 2,241 M 2,207 4,006 777 2,401 2,401 M 2,207 4,006 777 2,401 2,401 M 2,207 4,006 777 2,401 2,401 M 2,207 4,706 777 2,401 2,401 M 2,202 4,706 777 2,401 1,504 M 1,614 5,202 4,706 1,706 1,706 M 1,614 5,202 4,70 1,704 1,706 M 1,106 4,502 <t< td=""><td>M 4784 2302 470 4387 4314 M 4,006 2,631 504 4,214 4,214 M 4,006 2,110 572 1,717 1,349 M 1,007 3,110 507 1,007 1,377 M 1,006 3,200 641 3,271 2,341 M 2,110 4,007 709 2,674 2,284 M 2,110 4,006 703 2,674 2,401 M 2,110 4,006 703 2,674 2,401 M 2,110 4,006 703 2,674 2,401 M 2,120 4,006 7,701 1,804 1,804 M 1,124 1,804 <</td><td></td><td>******</td></t<>	M 4784 2302 470 4387 4314 M 4,006 2,631 504 4,214 4,214 M 4,006 2,110 572 1,717 1,349 M 1,007 3,110 507 1,007 1,377 M 1,006 3,200 641 3,271 2,341 M 2,110 4,007 709 2,674 2,284 M 2,110 4,006 703 2,674 2,401 M 2,110 4,006 703 2,674 2,401 M 2,110 4,006 703 2,674 2,401 M 2,120 4,006 7,701 1,804 1,804 M 1,124 1,804 <		******
M 4,546 2,677 5,04 4,314 4,041 M 4,000 2,670 5,06 4,047 3,179	M 4,546 2,677 5,04 4,314 4,041 M 4,000 2,870 5,06 4,047 3,179 M 1,627 1,100 5,27 3,797 3,197 M 1,548 1,568 1,664 3,271 2,544 3,271 M 2,110 4,000 7,64 3,271 2,544 2,544 M 2,110 4,000 7,64 3,271 2,544 2,541 M 2,110 4,000 7,64 7,74 2,548 2,641 M 2,110 4,000 7,74 2,748 2,731 M 2,120 4,734 3,741 2,128 1,564 M 1,143 4,744 4,522 610 1,264 1,264 M 1,143 4,744 4,522 610 1,264 1,264 M 1,143 4,744 4,522 610 1,264 1,264 M 1,143 <t< td=""><td></td><td>*****</td></t<>		*****
M 4,200 2,870 520 4,007 3,110 572 3,707 3,707 M 4,007 3,110 607 3,707 3,204 3,221 3,204 M 3,120 3,240 607 3,244 3,221 2,244 M 3,110 4,007 703 2,641 2,544 M 2,870 4,006 703 2,641 2,641 M 2,831 4,006 703 2,641 2,641 M 2,831 4,006 777 2,641 2,641 M 2,831 4,006 777 2,641 2,641 M 2,831 4,006 777 2,641 1,864 M 2,832 4,006 774 1,864 1,864 M 1,674 4,502 610 1,786 1,286 M 1,674 4,502 610 1,786 1,786 M 1,148 4,502 610	M 4,200 2,870 528 4,001 3,787 M 1,002 3,110 627 3,787 3,787 3,787 M 1,308 3,008 0,007 3,008 3,008 3,287 3,271 2,596 3,271 3,271 3,271 3,271 3,271		*****
4,007 1110 572 1710 1464 1,548 1,588 100 1,584	4.0g7 1110 572 1717 1464 1.548 1.589 105 1.584 1.251 1.548 1.589 105 1.584 1.251 2.570 4.506 1.70 2.540 2.571 2.571 4.585 1.77 2.540 1.581 2.587 4.58 1.77 2.540 1.581 2.587 4.58 1.77 2.59 1.684 2.587 4.58 1.77 2.59 1.684 1.514 5.52 1.09 1.094 1.615 5.52 1.094 1.616 5.52 1.094 1.617 6.52 1.094 1.71 6.52 1.094 1.71 6.52 1.094 1.71 6.59 1.094 1.72 6.59 1.094 1.73 6.59 1.094 1.74 6.59 1.094 1.74 6.59 1.094 1.75 6		*****
1,588 1,589 605 3,546 1,221 1,588 1,221 1,588 1,	1588 1589 605 3.464 3221 2.548 3.231 3.548 3.231 3.548 3.231 2.548 3.231 2.548 3.241 2.548 3.241 2.548 3.241 2.548 3.241 2.548 3.241 2.541		****
34 1388 1388 641 3271 2348 2544 34 1349 3407 709 2474 2401 2541 34 2470 4306 777 2431 2431 2431 34 2302 4784 811 1484 1581 477 1354 4302 474 1484 1581 (67) 1354 5322 610 1281 1288 (87) 1464 5322 610 1216 1064 (87) 1468 5322 610 1216 1064 (87) 1468 5322 610 1216 1064 (87) 1468 5322 610 1216 1064 (87) 1468 5322 610 1216 1064 (87) 1468 5322 620 620 600 (87) 1468 648 249 700 600 (87) <th< td=""><td>34 1,388 1,588 641 3,221 2,946 34 2,349 3,827 647 709 2,574 2,941 34 2,870 4,308 743 2,471 2,471 2,471 34 2,302 4,784 811 1,864 2,471 2,128 1,864 (27) 2,483 4,784 811 1,864 1,588 1,588 (87) 1,874 5,202 610 1,288 1,276 (87) 1,634 5,502 610 1,288 1,276 (87) 1,434 5,502 610 1,284 1,276 (87) 1,434 5,502 610 1,284 1,276 (87) 1,434 5,502 610 1,276 1,064 912 (87) 1,435 5,441 5,22 1,064 912 1,064 912 (87) 1,436 5,441 5,22 1,064 912 1,064 912</td><td></td><td>* * * *</td></th<>	34 1,388 1,588 641 3,221 2,946 34 2,349 3,827 647 709 2,574 2,941 34 2,870 4,308 743 2,471 2,471 2,471 34 2,302 4,784 811 1,864 2,471 2,128 1,864 (27) 2,483 4,784 811 1,864 1,588 1,588 (87) 1,874 5,202 610 1,288 1,276 (87) 1,634 5,502 610 1,288 1,276 (87) 1,434 5,502 610 1,284 1,276 (87) 1,434 5,502 610 1,284 1,276 (87) 1,434 5,502 610 1,276 1,064 912 (87) 1,435 5,441 5,22 1,064 912 1,064 912 (87) 1,436 5,441 5,22 1,064 912 1,064 912		* * * *
2.500 2.607 0.75 2.548 2.674 2.401 2.502 2.501 2.502 2.501 2.502 2.501 2.502 2.501 2.503 2.501 2.502 2.501 2.503 2.501 2.502 2.501 2.503 2.501 2.503 2.501 2.503 2	2.548 2.677 675 2.548 2.674 2.548 2.574 2.548 2.574 2.548 2.574 2.548 2.574 2.548 2.549 2.574 2.549 2.574 2.549 2.574 2.549 2.574 2.549 2.	1 1,500	* * *
2,570 4,087 709 2,674 2,401 2,670 4,082 77 2,401 2,282 4,784 871 1,884 1,581 2,157 5,023 774 1,581 1,288 1,574 5,283 6,79 1,286 1,276 1,674 5,283 6,79 1,286 1,276 1,488 5,582 610 1,276 1,084 1,488 5,582 610 1,276 1,084 1,488 5,582 610 1,276 1,084 1,488 6,749 2,23 1,084 600 7,18 6,749 2,23 1,094 600	2470 4.067 779 2.674 2.401 2.202 2.401 2.203 2.203 2.2	1007	4 4
2,470 4,206 743 2,401 2,128 2,	2,670 4,206 743 2407 2128 2,631 2,53	4.067	X
34 2,543 4,546 777 2,138 1,864 34 2,342 4,734 811 1,864 1,581 1,584 1,581 1,584 1,581 1,588	34 2,621 4,545 777 2,128 1,864 34 2,382 4,784 811 1,864 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,581 1,516	4308	
34 2,382 4,794 811 1,884 1,581 (27) 2,157 5,023 734 1,981 1,388 (87) 1,914 4,322 610 1,216 1,216 (87) 1,425 4,741 5,23 1,064 912 (87) 1,196 5,862 4,36 100 912 (87) 1,196 2,196 303 700 (87) 4,196 202 903 466 (87) 4,196 202 903 466	24 2,302 4,754 811 1864 1,581 (25) (27) 2,157 5,002 (27) 1,581 (27) (27) 2,157 5,002 (27) 1,581 1,288 (27) (27) 2,157 5,002 (27) 1,581 1,288 1,270 (27) 1,581 1,581 1,288 1,270 (27) 1,163 5,580 4,59 1,59 1,59 1,59 1,59 1,59 1,59 1,59 1		z
2.157 5.023 784 1.581 1.388 1.914 5.383 097 1.388 1.278 1.618 5.382 810 1.278 1.084 1.198 5.341 5.23 1.084 912 1.198 5.398 439 912 1.19 6.719 349 710 608 718 6.719 342 710	2,157 5,023 784 1581 1388 1584 1388 1388 1388 1388 1278 1278 1388 1278 1278 1388 1278 1278 1278 1278 1278 1278 1278 12		z
1,514 5,283 067 1388 1,210 1,625 5,741 5,23 1,004 912 1,198 5,381 6,29 912 1,53 6,19 349 70 608 718 6,19 202 608 450	1,574 5,283 067 1,388 1,276 1,	2157 5.023	an
1,674 5,502 610 1,216 1,1 1,425 5,741 5,23 1,004 1,196 5,500 4,30 912 167 6,219 349 760 718 6,79 202 608	1,674 5,522 610 1,216 1,064 1,164 1,165 1,166 1,166 1,176 1,166 1,176 1,166 1,176 1,	1,914 5,283	(1.8)
1,425 5,741 522 1,004 1,106 1,	1,423 5,741 523 1,004 1,104 1,104 1,104 1,104 1,104 1,105 1,	1,674 5,922	(E)
200 5,000 5,000 500 500 500 500 500 500 5	(,198 5,980 429 912 167 6,219 349 790 718 6,79 202 908 473 6,089 174 458	1428 5.741	(487)
738	116 6,719 349 750 718 6,79 262 608 473 6,088 174 458	1.100	187
718	716 6,799 202 608 478 6,098 174 456	59	100
	478 6,698 174 456	718	1,000
152 153 6.527 67 304 152		7) (0) 7,176 0	(407)

* Column not specified in worklook

E	AVERAGE	SPENCING		80			21328	Messa		CAMBRATIME CONSTRUCTION TOTAL PERIOD	ň	(SAM) (SAM)	90.0				25.5		- 1	BOOK BASES FOR DEF TAX	6,556	H	7,176
é		STURE SPENDING	000	0000		•	63.27% 200.20	KEEK #00.001		ATME YEARLY BT TOTAL		M) (BAM)	000	000			72 62 62 67	32			CONSTRUCTION CASH	PUDC	
(4)		FACTOR EXPENDITARE	0001					2	_(m)	DEST DEST	WUDC WUDC	(SAM) (SAM)	80	800	80	2.16	9	95.01	L		CONSTRUCTION	DEBT A-UDC	FOTAL
6	PLANT	ESCALATION EI	600	2 55%	2 50%	107	180%		€	SPENCING	WITH AFLIDIC	(SAW)	80	000	80	78.85	219 30	1)				10.70%	
G	NO YEARS	BEFORE PASSENCE	1	107	. 7	10	÷π			NO VEARS	BEFORE	BLEEFACE	•	7	7	"7	7				IN SERVICE YEAR	APUDC RATE	
t)		TEAR	90.		1		2002					TEAR	* 1006	1.007	1989	1999	8				4		

Court not specified in workbook

PROGRAM METHOD SELECTED REV_REG PROGRAM NAME Commercialibraturia Efficient Lighting

TOTAL							
CHATCHERS C	COMMANDE ADADTED TOTAL CUMALATIVE PARTICIPATING PARTICIPATING CONTINUES.	SYSTEM FUEL COST	MANGBAAL FUEL COST (CAMP)	MANGRAL FUEL COST (CAMP)	FUEL COST (CAMP)	PROGRAM IN PROGRAM INTERFECTIVENESS FFECTIVENESS FACTOR FACTOR	PROGRAME WITH EFFECTIVENESS FACTOR
1	0	000	252	2.45	000	8.	180
0	0	900	25	2.6	8	8	8
1	* 10	80	272	2.59	80	8	8
12.725	2773	000	2.83	265	80	100	8
17.358	17,359	80	303	275	80	3	8
17.359	17,358	000	335	85	23	8-	8
17 359	17.350	80	2	301	2.50	8	8
17.359	17.359	000	333	102	2.49	8	8
17 359	17,359	000	3.56	323	2.96	8	8
17.359	17 359	000	272	3.30	322	8	8
17.359	17,308	000	2 18	357	345	8	8
17.300	17,359	000	4 10	3.80	376	8	8
17,358	17,389	000	4.4	3.85	3.67	8	8
17 359	17,358	800	2,4	*	2.83	9	8
17.350	17,358	80	4 85	431	430	8	8
17.359	17,358	000	5.15	4.69	27	8	8
17,359	17,359	800	3.0	4 91	474	8	8
17,359	17,359	000	5.62	200	88	8.	8
17,359	17,359	8	20	521	808	8	8
17,359	17,359	80	22.0	2 00	5.67	8	8
17.358	17,359	80	6.30	5.81	5.80	100	180
17,358	17 359	800	0.0	5.05	5 95	1.00	8
17.359	17,359	000	101	6 22	633	100	8
17.359	17,359	000	725	54.0	9	90 +	1 20
17 359	17 143	90.00	***		***	* 700	- 200

* THIS COLUMN IS USED ONLY FOR LOND SHIFTING PROGRAMS WHICH SHIFT CONSUMPTION TO OFF-PEAK PERCOS. THE VALUES REPRESENT THE OFF PEAK SYSTEM FUEL COSTS.

AVOICE OEHERATING BENETITS PROGRAM METHOD SELECTED REV, REQ PROGRAM NAME Committee Efform Lighting

000	GEN UNIT FDED OAM NOOO)	GEN UNIT VARIABLE OLAN NOOO)	AVODED GEN UNIT FUEL COST	REPLACEMENT FUEL COST MODO)	GEN UNIT BENEFITS BOTON
0 0	0	0		0	0
	0	9	ø	0	0
,	0	0	0	0	0
0	0	0		0	o
0	0	0	a	0	8
1.62	200	2	1991	1236	1.43
1377	D.	*	912	1.026	1,385
1.236	717	-	286	78	1,678
1277	722	=	748	828	1,336
1,230	238	7	9000	200	1,318
1.184	246		1,085	1188	340
1.141	22	7	1,218	130	123
1 089	288	2	1.278		1301
1,067	280	Ç	1,000	1.148	17
1,016	282	•	ū	ZE.	1,175
87.8	Ħ	•	959	816	1.121
100	318	7	1224	1 444	500
688	222	2	122	141	1831
250	2	2	1,155	135	101
1	Ř	*	1.411	1 615	ā
770	380	12	1.136	1271	ī
17	785	9	001	1,127	ecs.
800	413	=	1,131	70	808
3	Q	=	1,121	1,315	100
8	2	=	1,053	27.	98

NOM STORY	0,170	247	50,304	23.743	-
1 000	E	-	6.183	7 145	7.015

AVOICED TAD AND PROCIDIAM FUEL SAVINGS PROCIDIAM METHOD SELECTED REV_REQ PROCIDIAM MAKE. Communicatividamism Efficient Lighting

	ï	(7)	4014	(3)	ũ	TOTAL	ī	
9	AVOIDED TRANSMISSION CAP COST	AVOIDED TRANSMESSION OAM COST	1 €	AVOIDED DISTRIBUTION CAP COST	AVOIDED DESTRBUTION OAM COST NOOCH	AVOICED DESTREBUTION COST	PROCESSA FUEL SAVINGS BODD	PROGRAM OFF-PEAK PAYBACK BOXOL
1906	0	0	0	0	0	0	0	
1987	0	0	0	0	0	0	0	
1,000	0	0	a	0	0	0	ñ	
1000	100	11	¥	E	011	162	14.0	
3000	187	4	10	123	210	801	1,001	
300	Ā	3	H	571	200	1.09	2,067	
2000	ň	E	S	ğ	116	477	2,000	
2000	744	74	319	ğ	304	4	2.055	
2000		1	312	ž	127	491	2,211	
3000	(0)	=	200	ă.	CER.	ĝ	2,310	
2008		2	Ä	24	KA	808	2447	
2000		2	182	127	CRIC	520	2,100	
2		ā	200	132	9	121	2,006	
2000		20	裁	20	41	3	2.839	
20102	185	81	ž	121	8	909	3,029	
Á	111	101	R	116	\$	870	2,199	
8	100	901	111	110	4.04	98	2377	
R	-	113	274	105	400	100	1,500	
Ŕ	153	811	271	100	\$18	618	3,635	
N	**	77	300	8	ā	2	3,829	
300	200	S,	200	2	100	900	4.074	
Ř	5	125	CH	1	100	P74	4,203	
2018	85	141	100	2	818	100	4.400	
300	21	20	250	*	ī	715	4,360	
	-	151	250	69	100	738	4,883	

i	27.79	B.117	7.00	8,300			
* 510	99	2 156	983	2.798	3.794	19,710	

THESE VALUES REPRESENT THE COST OF THE INCREASED FLEE. CONSUMPTION DUE TO GREATER OFF-PEA.
 ENERGY USAGE USED FOR LOAD SHIFTING PROGRAMS ONLY.

TOTAL RESOURCE COST TEST PROCESAM METHOD SELECTED REV_REQ PROCESAM NAME Commences/Praceine Efficient Lighting

6	8.	0	0	1 000	0 0	9000	9000	3000	3000	-		200	0 0		0	-	0000	100	0000		0	3018	3017	9018	
(3)	PROCEDURE	0	0	447	Ŋ	312	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	
ę	PARTICIPALIT PROGRAM COSTS ACCOSTS	0	a	8 000	7,667	6.283	o	0	0	0	0	0	0	0	0	0		•	0	o	0	0	0	0	
包	COSTS ECON	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	a	
€	101A COSTS	0	0	B. 452	8.048	6.500	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6)	AVOIDED GEN UNIT BENEFITS BOXDS	0	0	o	0	o	1.00	1,385	1,638	1.138	1,318	1340	1	186	1,283	200	5	1,047	1,001	1,014	ž	Pet	ecz.	808	
Œ.	AVOIDED TAD BENEFITS B(000)	0	0	0	316	ž	ă	805	800	2	808	110	413	ă	632	940	890	2	878	688	90	128	800	808	
6	PROCEAM FUEL EAVINGS NOOD	0	0	200	178	180	2.067	2.033	2.055	2211	2.375	2.447	2.586	2.600	2.839	3.029	3.199	1117	1,500	2.655	3.929	4.074	4,203	4.400	
6	OTHER BENEFITS \$(000)	0	0	0	0	0	0	0	o	0	0	o	0	0	0	0	0	a	a	0	0	0	0	0	
(44)	TOTAL BENEFITS NOON	0	0	ā	1,200	2.186	100	4.22.4	4.338	4,350	No.	4.500	4.730	4,901	4.963	3.045	1117	1,286	2.412	1,104	2.010	5,943	8,078	4.205	-
R.	NET BENEFITS NOON	a	0	(8,126)	(8,761)	A 4000	4,307	į,	4,336	4,380	4435	4.500	4,730	9	4.953	1,045	177.4	5,286	3,415	1,300	2,818	5,943	6.07	6,205	1
(13)	CUMULATIVE DISCOUNTED NET BENEFITI \$(000)			(7,50)	(12,438	(15,92	(13,166	(10,600	3.50	18, 180	(4,180	(2,286	ğ	02.	2,777	424	5.63	6,900	4,117	2.25	10.34	11,358	12.31	13.2%	1.4 4.4

0 867 17.845 0	18,733	7,918	1,947	19,710	 1153
Descript Rate	8 223 %				

PACTICEMAN COSTS AND BENEFITS
PROCEAM METHOD SELECTED REV_REG
PROCEAM MANE. Communication activities of themselected.

Contact		(5)	Ţ	ē	£	E	ē	Ē	(10)	(11)	E)
######################################		144	TUTTO	2	TOTAL	CUSTOLER	CUSTOMER	OTHER	101AL	T.W.	DISCOUNTE
0 0	0	EDU3	PERATES	MODEL NO.	\$5000 BOOK	\$10001	\$1000 P	\$(000)	\$(000)	NOOO!	10001
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	0	0	0	0	0	0	٥	o	0	
7 7007 7 7005 7 7 7 7 7 7 7 7 7 7 7 7 7		0	0	0	0	0	0	0	0	0	
6,283 (1054) 6,283 (1054) 6,283 (1054) 6,883			122	0	1,399	9008	0	0	\$008	(7.608	1 (8.3)
6,263 (2,004) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ō	0	2,983	7.967	0	0	7.867	14.004	08.80
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		0	ax	0	4,229	6.2953	0	0	6.283	200	11.4
4 1004 4 1004 6 1004		0	0	0	4	0	a	0	0	C S	20
4 4863 4 8863 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		0	0	0	4504	0	a	0	0	4304	13.83
4 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	4.562	0	0	0	0	100	O.C.
4 4857 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	4.546	0	0	0	0	4.046	1.12
4 8053 4 8053 4 8054 5 727 8 8 777 8 8 773 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			0	0	4465	0	o	0	0	4.857	-
4 884 4 884 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	4,803	0	0	0	0	4 803	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	4.884	0	9	a	19	4.004	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	5,027	0	0	0	0	\$ 027	
8,000 8,000 8,000 8,000 9,		0	0	0	A124	0	0	0	0	2.2	
8,234 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	5.560	0	0	0	o	\$ 500	
8.773 0 0 0 0 8.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		- 60	0	0	5.589	0	0	0	0	1,580	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	5721	0	0	0	0	5.72	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	8.778	0	0	0	o	17.4	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		. 0	0	0	5.987	0	0	0	0	5,942	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		. 0	0	0	6.005	0	0	0	0	8,000	
6234 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	6,108	0	0	0	0	6, 100	
CAS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	6234	6	0	0	0	623	
MB-8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		- 10	0	0	6342	0	0	0	0	200	
		. 0		0	5.404	0	0	0	0	9.0	
		. 0	0	0	0.360	0	0	a	0	0.50	

NON A	116,377	0 0	101	0 0	38.749	17.80	0	
	In Service of Gen Unit.				1002			
	Discourt Rate				9 72 %			
	BenefitCost Ratio (Col(5) / Col(10))	1/ Cogton			2.17			

22,955 17,847

2 1000

PROCESAM METHOD SELECTED REV., RED PROCESAM NAME Commercial Pological Efficient Lighting

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	MEVENALE NES LOSSES	COSTS MODE	COSTS	AVOIDED GEN UNIT & FUEL RENEFITS \$4.001	TAD TAD BENEFITS \$10001	REVENUE GAMS SCOOL	OTHER BENEFITS MOON	TOTAL BENEFITS \$1000)	MET MEMERITS MODE)	E
	e	0	0	0	0	0	0	0		0
		0	0	0	0	0	0	0		0
	100	0	1.094	278	0	0	0	255	5	Ñ
	707	0	2.918	1.28	318	a	o	就二	2	8
	348	0	1,854	1,801	¥	0	a	2,186	•	ľ
	3,685	0	3,005	3,501	ğ	0	0	4,307		g
	3.696	0	3.696	3.418	000	0	0	E E		ä
000000000000000000000000000000000000000	0 3.739	0	3,739	3534	800	0	0	4.136		20
	3 803	0	3,803	2546	200	0	0	4.350		Ĭ
	3.807	•	1,807	3,629	909	0	0	4.635		ğ
	1204	0	3,924	1,767	118	0	a	4.598		53
	0 3.903	0	3,963	3,913	617	0	0	4,730		2
	4.100	0	4,102	4,978	624	0	0	4,801		8
	4.197	0	4,197	4,122	500	0	0	4,863		ğ
	4 546	0	45.5	4,205	2	0	0	8,045		ŝ
9999	6.575	0	4.575	4321	0028	0	0	5.171		8
	0 4.578	0	4.678	101	862	0	0	5,206		3
	4,730	0	4,730	250	673	0	0	5,415		š
	4.000	0	4,898	4,009	900	0	0	5,558		8
6	4 808	0	4,905	4.913	ş	0	9	5,818		£
	0 4.983	0	4,963	5,027	ES .	a	0	5,943		ŝ
	3.074	0	5.074	5,141	903	o	0	8,079	•	ğ
	2342	o	3,167	5,310	808	0	o	6,265	-	8
• •	2000	0	5,282	5,455	974	0	0	6.429	-	10
	9	0	\$ 360	\$ 551	906	0	0	6.547		180

-	~		
0	0		
10,205	5.947		
619,976	27,629		
97,503	32,603		
o	0		
100,151	X0 903		
1 302	1.013		
1.140	1982		
0			Value Parison
POP.	1	-	

108,183

Decount Rate
Benefit Cost Rate (Cost 12) / Cos(7))

200