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MAIL ROOM

Beverly Y. Menard  
Regulatory & Governmental Affairs  
Assistant Vice President - Florida/Georgia

GTE Service Corporation

One Tampa City Center  
Post Office Box 110, FLTC0616  
Tampa, Florida 33601-0110  
813-483-2526  
813-223-4888 (Facsimile)

December 15, 1998

Ms. Ann H. Shelfer, Supervisor  
End User Services  
Division of Communications  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

980000

Dear Ms. Shelfer:

**Subject: Docket No. 950699-TL, Return of Confidential Document No. 04680-97**

By order number PSC-97-0795-CFO-TL issued July 3, 1997, GTE was granted confidential treatment of information contained in GTE's Late Filed Hearing Exhibits 7 and 9. The document was assigned No. 04680-97. The confidentiality time period will expire on January 3, 1999. Since this docket has been closed, GTE requests that this document now be returned to the Company.

Should you require additional information, please contact Linda Rossy at (813) 483-2525.

Sincerely,

*Beverly Y. Menard*

Beverly Y. Menard

BYM:hr

c: Ms. Blanca Bayo, Director - Division of Records and Reporting

ACK  
AFA  
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CMU  
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*Cory Kay*

A part of GTE Corporation

DOCUMENT NO. FILE NO. DATE

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STEEL  
HECTOR  
DAVIS  
REGISTERED LIMITED LIABILITY PARTNERSHIP

Steel Hector & Davis LLP  
215 South Monroe, Suite 601  
Tallahassee, Florida 32301-1804  
850 222 2300  
850 222 8410 Fax  
www.steelhector.com

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DEC 22 PM 10:54  
December 22, 1998  
REPORTING

Charles A. Guyton  
850 222 3423

Leslie J. Paugh, Esq.  
Legal Division  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Room 370  
Tallahassee, FL 32399-0850

Via Hand Delivery

Place in 980000

Re: Docket No. 970545-EG

Dear Ms. Paugh:

Enclosed for filing on behalf of Florida Power & Light Company (FPL) is a corrected copy of the cost-effectiveness run for FPL's Commercial/Industrial Heating Ventilation & Air-Conditioning DSM program standards in Docket No. 970545-EG filed with the Commission on December 18, 1998. Please substitute this corrected data with the one filed December 18, 1998. I apologize for any inconvenience this may have caused you.

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

Very truly yours,

*Charles A. Guyton*  
Charles A. Guyton

- ACK \_\_\_\_\_
- AFA \_\_\_\_\_
- APP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMU \_\_\_\_\_
- CTR \_\_\_\_\_
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- LIN \_\_\_\_\_
- OPC \_\_\_\_\_
- RCH \_\_\_\_\_
- SEC \_\_\_\_\_
- WAS \_\_\_\_\_
- OTH \_\_\_\_\_

CAG/ld  
cc: Blanca Bayó

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FPSC-BUREAU OF RECORDS

98-1352  
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DOCUMENT NUMBER DATE  
14405 DEC 22 1998  
REPORTING

I PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	0.87 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	1.11 kW
(3) kW LINE LOSS PERCENTAGE	9.01 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	5,720.2 kWh ***
(5) kWh LINE LOSS PERCENTAGE	7.02 %
(6) GROUP LINE LOSS MULTIPLIER	1.0000
(7) CUSTOMER kWh INCREASE AT METER	45,37.6 kWh ****

J ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM	23 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.60419
(5) K FACTOR FOR T & D	1.48985

III UTILITY & CUSTOMER COSTS

(1) UTILITY NON RECURRING COST PER CUSTOMER	*** \$/CUST
(2) UTILITY RECURRING COST PER CUSTOMER	*** \$/CUST
(3) UTILITY COST ESCALATION RATE	*** %**
(4) CUSTOMER EQUIPMENT COST	*** \$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	*** %**
(6) CUSTOMER O & M COST	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
(8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
(9) SUPPLY COSTS ESCALATION RATES	*** %**
(10) UTILITY DISCOUNT RATE	8.98 %
(11) UTILITY AFDUC RATE	10.30 %
(12) UTILITY NON RECURRING REBATE/INCENTIVE	*** \$/CUST
(13) UTILITY RECURRING REBATE/INCENTIVE	*** \$/CUST
(14) UTILITY REBATE/INCENTIVE ESCALATION RATE	*** %

IV AVOIDED GENERATOR AND T&D COSTS

(1) BASE YEAR	1998
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2001
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2001, 2001
(4) BASE YEAR AVOIDED GENERATING COST	285 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	70 \$/kW
(6) BASE YEAR DISTRIBUTION COST	50 \$/kW
(7) GEN. TRAN & DIST COST ESCALATION RATE	1.78 %**
(8) GENERATOR FIXED O & M COST	58 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	4.10 %**
(10) TRANSMISSION FIXED O & M COST	2.73 \$/kW
(11) DISTRIBUTION FIXED O & M COST	13.01 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	4.10 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.020 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.70 %**
(15) GENERATOR CAPACITY FACTOR	21% ** (in-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.07 CENTS PER kWh** (in-service y
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.27 %**

V NON-FUEL ENERGY AND DEMAND CHARGES

(1) NON FUEL COST IN CUSTOMER BILL	*** CENTS/kWh
(2) NON-FUEL COST ESCALATION RATE	*** %
(3) DEMAND CHARGE IN CUSTOMER BILL	*** \$/kW/MO
(4) DEMAND CHARGE ESCALATION RATE	*** %

\* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

\*\* VALUE SHOWN IS FOR FIRST YEAR ONLY (VALUE VARIES OVER TIME)

\*\*\* PROGRAM COST CALCULATION VALUES ARE SHOWN ON PAGE 2

\*\*\*\* THIS IS A LOAD SHIFTING PROGRAM. VALUE SHOWN IN ITEM (4) IS ANNUAL KWH/CUST SHIFTED AWAY FROM PEAK HRS. VALUE SHOWN IN ITEM (7) IS ANNUAL KWH/CUST THAT IS PAID BACK DURING OFF-PEAK.

\* APU/DATA - PART 1 CONTINUED  
 PROGRAM METHOD SELECTED REV. REQ  
 PROGRAM NAME CHVAC

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$1000	(2) UTILITY PROGRAM COSTS WITH INCENTIVES \$1000	(3) OTHER UTILITY PROGRAM COSTS \$1000	(4) TOTAL UTILITY PROGRAM COSTS \$1000	(5) ENERGY CHANGE REVENUE LOSSES \$1000	(6) DEMAND CHANGE REVENUE LOSSES \$1000	(7) PARTICIPANT EQUIPMENT COSTS \$1000	(8) PARTICIPANT O&M COSTS \$1000	(9) OTHER PARTICIPANT COSTS \$1000	(10) TOTAL PARTICIPANT COSTS \$1000
1998	0	0	0	0	0	0	0	0	0	
1999	1,131	2,588	0	3,720	665	660	12,804	0	13,464	
2000	1,181	2,588	0	3,769	2,005	2,017	12,865	0	14,882	
2001	0	0	0	0	2,809	2,668	0	0	5,477	
2002	0	0	0	0	2,804	2,606	0	0	5,410	
2003	0	0	0	0	2,875	2,861	0	0	5,736	
2004	0	0	0	0	2,884	2,661	0	0	5,545	
2005	0	0	0	0	2,948	2,852	0	0	5,800	
2006	0	0	0	0	2,969	2,804	0	0	5,773	
2007	0	0	0	0	2,908	2,801	0	0	5,709	
2008	0	0	0	0	3,078	2,804	0	0	5,882	
2009	0	0	0	0	3,018	2,887	0	0	5,905	
2010	0	0	0	0	3,182	2,910	0	0	6,092	
2011	0	0	0	0	3,229	2,444	0	0	5,673	
2012	0	0	0	0	3,273	2,444	0	0	5,717	
2013	0	0	0	0	3,318	2,423	0	0	5,741	
2014	658	280	0	938	3,385	2,420	3,909	0	7,714	
2015	471	279	0	750	3,424	2,410	4,080	0	7,594	
2016	0	0	0	0	3,487	2,381	0	0	5,868	
2017	0	0	0	0	3,488	2,384	0	0	5,872	
2018	0	0	0	0	3,429	2,373	0	0	5,802	
2019	1,431	2,308	0	3,740	3,574	2,390	13,788	0	17,712	
2020	1,472	2,308	0	3,780	3,818	2,348	14,185	0	18,321	

YEAR	(11) TOTAL PROGRAM COSTS \$1000	(12) TOTAL REVENUE LOSSES \$1000	(13) TOTAL DEMAND CHANGE REVENUE LOSSES \$1000	(14) TOTAL PARTICIPANT EQUIPMENT COSTS \$1000	(15) TOTAL PARTICIPANT O&M COSTS \$1000	(16) TOTAL OTHER PARTICIPANT COSTS \$1000	(17) TOTAL PROGRAM COSTS \$1000
1998	0	0	0	0	0	0	0
1999	3,720	665	660	12,804	0	0	16,789
2000	3,769	2,005	2,017	12,865	0	0	18,656
2001	0	2,809	2,668	0	0	0	5,477
2002	0	2,804	2,606	0	0	0	5,410
2003	0	2,875	2,861	0	0	0	5,736
2004	0	2,884	2,661	0	0	0	5,545
2005	0	2,948	2,852	0	0	0	5,800
2006	0	2,969	2,804	0	0	0	5,773
2007	0	2,908	2,801	0	0	0	5,709
2008	0	3,078	2,804	0	0	0	5,882
2009	0	3,018	2,887	0	0	0	5,905
2010	0	3,182	2,910	0	0	0	6,092
2011	0	3,229	2,444	0	0	0	5,673
2012	0	3,273	2,444	0	0	0	5,717
2013	0	3,318	2,423	0	0	0	5,741
2014	658	280	2,420	3,909	0	0	7,267
2015	471	279	2,410	4,080	0	0	7,230
2016	0	0	2,381	0	0	0	2,381
2017	0	0	2,384	0	0	0	2,384
2018	0	0	2,373	0	0	0	2,373
2019	1,431	2,308	2,390	13,788	0	0	18,917
2020	1,472	2,308	2,348	14,185	0	0	19,313

\* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK  
 \*\* NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RRM TESTS

YEAR	(18) TOTAL PROGRAM COSTS \$1000	(19) TOTAL REVENUE LOSSES \$1000	(20) TOTAL DEMAND CHANGE REVENUE LOSSES \$1000	(21) TOTAL PARTICIPANT EQUIPMENT COSTS \$1000	(22) TOTAL PARTICIPANT O&M COSTS \$1000	(23) TOTAL OTHER PARTICIPANT COSTS \$1000	(24) TOTAL PROGRAM COSTS \$1000
1998	0	0	0	0	0	0	0
1999	3,720	665	660	12,804	0	0	16,789
2000	3,769	2,005	2,017	12,865	0	0	18,656
2001	0	2,809	2,668	0	0	0	5,477
2002	0	2,804	2,606	0	0	0	5,410
2003	0	2,875	2,861	0	0	0	5,736
2004	0	2,884	2,661	0	0	0	5,545
2005	0	2,948	2,852	0	0	0	5,800
2006	0	2,969	2,804	0	0	0	5,773
2007	0	2,908	2,801	0	0	0	5,709
2008	0	3,078	2,804	0	0	0	5,882
2009	0	3,018	2,887	0	0	0	5,905
2010	0	3,182	2,910	0	0	0	6,092
2011	0	3,229	2,444	0	0	0	5,673
2012	0	3,273	2,444	0	0	0	5,717
2013	0	3,318	2,423	0	0	0	5,741
2014	658	280	2,420	3,909	0	0	7,267
2015	471	279	2,410	4,080	0	0	7,230
2016	0	0	2,381	0	0	0	2,381
2017	0	0	2,384	0	0	0	2,384
2018	0	0	2,373	0	0	0	2,373
2019	1,431	2,308	2,390	13,788	0	0	18,917
2020	1,472	2,308	2,348	14,185	0	0	19,313

CALCULATION OF DEB KFACTOR  
PROGRAM METHOD SELECTED RE: REG  
PROGRAM NAME: CHYAC

YEAR	(2) MISC-YEAR RATE BASE \$1000	(3) DEBT \$1000	(4) PREFERRED STOCK \$1000	(5) COMMON EQUITY \$1000	(6) INCOME TAXES \$1000	(7) OTHER INFLUENCE \$1000	(8) DEPRECIATION \$1000	(9) DEFERRED TAXES \$1000	(10) TOTAL FIXED CHARGES \$1000	(11) PRESENT WORTH FIXED CHARGES \$1000	(12) CUMULATIVE PW FIXED CHARGES \$1000
2001	11,448	302	0	787	484	181	384	23	2,230	2,230	2,230
2002	10,966	375	0	754	313	181	384	174	2,180	1,842	4,212
2003	10,420	346	0	718	313	181	384	150	2,080	1,752	5,884
2004	9,887	326	0	680	312	181	384	128	2,004	1,548	7,512
2005	9,386	321	0	646	310	181	384	108	1,920	1,388	8,881
2006	8,913	305	0	613	308	181	384	90	1,860	1,270	10,091
2007	8,448	288	0	581	305	181	384	72	1,782	1,070	11,181
2008	8,000	274	0	550	302	181	384	56	1,727	848	12,107
2009	7,562	258	0	520	288	181	384	44	1,680	638	12,843
2010	7,134	244	0	490	287	181	384	34	1,588	438	13,481
2011	6,887	228	0	460	248	181	384	26	1,528	288	14,002
2012	6,250	214	0	430	229	181	384	20	1,471	187	14,320
2013	5,812	189	0	400	210	181	384	14	1,407	92	14,802
2014	5,375	164	0	370	191	181	384	9	1,340	43	15,443
2015	4,937	148	0	339	172	181	384	5	1,279	30	16,227
2016	4,500	134	0	308	153	181	384	4	1,215	21	16,981
2017	4,063	120	0	278	134	181	384	4	1,151	15	17,807
2018	3,625	108	0	248	116	181	384	4	1,087	10	18,228
2019	3,188	108	0	218	97	181	384	4	1,023	7	18,288
2020	2,750	81	0	188	78	181	384	4	958	5	18,417
2021	2,312	81	0	162	58	181	384	4	893	4	18,485
2022	2,070	71	0	142	34	181	384	4	803	3	18,485
2023	1,828	62	0	128	22	181	384	4	690	2	17,813
2024	1,583	54	0	109	22	181	384	4	624	1	17,007
2025	1,338	49	0	82	21	181	384	4	553	1	16,047
2026	1,098	37	0	75	20	181	384	4	478	1	14,942
2027	852	29	0	59	19	181	384	4	402	1	13,228
2028	603	21	0	42	17	181	384	4	319	1	11,288
2029	365	12	0	25	16	181	384	4	231	1	9,288
2030	122	4	0	8	15	181	384	4	148	1	7,485

N SERVICE COS (\$000)  
N SERVICE YEAR 2001  
BOOK LIFE (YRS) 30  
EFFECT. TAX RATE 38.87%  
DISCOUNT RATE 8.98%  
DTAX & PMS RATE 1.42%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST
DEBT	40%	7.80%
PMS	0%	0.00%
CS	60%	12.00%

KFACTOR = CPWFC / PMSVC COST \*  
1.00418

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX SCHEDULE	TAX DEPRECIATION	ACCUMULATED TAX DEPRECIATION	BOOK DEPRECIATION	ACCUMULATED BOOK DEPRECIATION	BOOK DEPRECIATION FOR DEFERRED TAX	ACCUMULATED BOOK DEPRECIATION FOR DEFERRED TAX	TAX DUE TO DEFERRED TAX DEPRECIATION	TOTAL EQUITY AFUDC	BOOK DEPR RATE	TAX RATE	SALVAGE VALUE	ANNUAL DEFERRED TAX	ACCUMULATED DEFERRED TAX
	\$/1000	\$/1000	\$/1000	\$/1000	\$/1000	\$/1000	\$/1000	\$/1000	\$/1000	%	%	\$/1000	\$/1000	\$/1000
2001	3.75%	423	423	34	34	343	343	23	608	0	0	0	23	176
2002	7.2%	813	1,236	34	68	343	727	114	608	0	0	0	114	36
2003	6.6%	752	1,988	34	102	343	1,090	150	608	0	0	0	150	208
2004	6.1%	696	2,684	34	136	343	1,434	128	608	0	0	0	128	334
2005	5.7%	644	3,328	34	170	343	1,817	108	608	0	0	0	108	442
2006	5.2%	595	3,924	34	204	343	2,187	90	608	0	0	0	90	532
2007	4.8%	551	4,474	34	238	343	2,544	72	608	0	0	0	72	604
2008	4.5%	508	4,984	34	272	343	2,887	56	608	0	0	0	56	661
2009	4.4%	503	5,487	34	306	343	3,271	42	608	0	0	0	42	714
2010	4.4%	503	5,988	34	340	343	3,634	30	608	0	0	0	30	768
2011	4.4%	503	6,487	34	374	343	3,989	20	608	0	0	0	20	822
2012	4.4%	503	6,984	34	408	343	4,381	12	608	0	0	0	12	875
2013	4.4%	503	7,487	34	442	343	4,725	6	608	0	0	0	6	929
2014	4.4%	503	8,000	34	476	343	5,088	0	608	0	0	0	0	983
2015	4.4%	503	8,503	34	510	343	5,461	0	608	0	0	0	0	1,037
2016	4.4%	503	9,006	34	544	343	5,815	0	608	0	0	0	0	1,090
2017	4.4%	503	9,508	34	578	343	6,178	0	608	0	0	0	0	1,144
2018	4.4%	503	10,011	34	612	343	6,542	0	608	0	0	0	0	1,198
2019	4.4%	503	10,513	34	646	343	6,905	0	608	0	0	0	0	1,251
2020	4.4%	503	11,016	34	680	343	7,269	0	608	0	0	0	0	1,305
2021	2.2%	251	11,267	34	714	343	7,632	0	608	0	0	0	0	1,358
2022	0.0%	0	11,267	34	748	343	7,995	0	608	0	0	0	0	1,412
2023	0.0%	0	11,267	34	782	343	8,359	0	608	0	0	0	0	1,465
2024	0.0%	0	11,267	34	816	343	8,722	0	608	0	0	0	0	1,519
2025	0.0%	0	11,267	34	850	343	9,086	0	608	0	0	0	0	1,572
2026	0.0%	0	11,267	34	884	343	9,449	0	608	0	0	0	0	1,626
2027	0.0%	0	11,267	34	918	343	9,811	0	608	0	0	0	0	1,679
2028	0.0%	0	11,267	34	952	343	10,174	0	608	0	0	0	0	1,733
2029	0.0%	0	11,267	34	986	343	10,540	0	608	0	0	0	0	1,786
2030	0.0%	0	11,267	34	1,020	343	10,903	0	608	0	0	0	0	1,840

YEARLY SALVAGE / COST OF REMOVAL: 0.0%  
 DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 9): 1.4%  
 TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 9): 6.0%  
 BOOK DEPR RATE - TANGIBLE LIFE: 3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED REV. REG  
PROGRAM TAX C/YEAR

YEAR	TAX SCHEDULE	TAX DEPRECIATION	TAX DEPRECIATION	DEFERRED TAX	NET SERVICE	PLANT SERVICE	ACCUMULATED DEPRECIATION	DEFERRED TAX	ACCUMULATED DEFERRED TAX	BEFORE YEAR RATE BASE	END OF YEAR RATE BASE	MID-YEAR RATE BASE
		\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000
2001	3.75%	813	423	33	11,127	10,743	384	787	718	11,851	11,244	11,448
2002	7.2%	752	150	150	10,258	10,258	1,151	206	206	11,244	10,667	10,968
2003	6.8%	896	128	128	9,879	9,879	1,335	334	334	10,153	9,541	9,897
2004	5.71%	844	108	108	8,592	8,592	1,978	442	442	8,841	8,150	8,296
2005	5.2%	596	80	80	8,208	8,208	2,302	532	532	8,150	8,879	8,913
2006	4.8%	551	72	72	8,823	8,823	2,688	604	604	8,879	8,221	8,448
2007	4.6%	508	56	56	8,441	8,441	3,069	661	661	8,221	7,780	8,008
2008	4.6%	503	54	54	8,057	8,057	3,453	714	714	7,780	7,343	7,562
2009	4.6%	503	54	54	7,674	7,674	3,837	768	768	7,343	6,808	7,024
2010	4.6%	503	54	54	7,290	7,290	4,221	822	822	6,808	6,408	6,647
2011	4.6%	503	54	54	6,908	6,908	4,604	875	875	6,408	6,031	6,282
2012	4.6%	503	54	54	6,523	6,523	4,988	929	929	6,031	5,593	5,872
2013	4.6%	503	54	54	6,139	6,139	5,372	983	983	5,593	5,158	5,375
2014	4.6%	503	54	54	5,756	5,756	5,756	1,037	1,037	5,158	4,719	4,937
2015	4.6%	503	54	54	5,372	5,372	6,139	1,090	1,090	4,719	4,281	4,502
2016	4.6%	503	54	54	4,988	4,988	6,523	1,144	1,144	4,281	3,844	4,067
2017	4.6%	503	54	54	4,604	4,604	6,908	1,198	1,198	3,844	3,407	3,625
2018	4.6%	503	54	54	4,221	4,221	7,290	1,251	1,251	3,407	2,969	3,188
2019	4.6%	503	54	54	3,837	3,837	7,674	1,305	1,305	2,969	2,532	2,762
2020	2.2%	251	0	0	3,453	3,453	8,057	1,358	1,358	2,532	2,197	2,382
2021	0.0%	0	0	0	3,069	3,069	8,441	1,412	1,412	2,197	1,848	2,070
2022	0.0%	0	0	0	2,688	2,688	8,823	1,465	1,465	1,848	1,704	1,829
2023	0.0%	0	0	0	2,302	2,302	9,208	1,518	1,518	1,704	1,481	1,543
2024	0.0%	0	0	0	1,918	1,918	9,592	1,571	1,571	1,481	1,217	1,239
2025	0.0%	0	0	0	1,535	1,535	9,978	1,624	1,624	1,217	874	1,098
2026	0.0%	0	0	0	1,151	1,151	10,369	1,677	1,677	874	730	852
2027	0.0%	0	0	0	787	787	10,743	1,730	1,730	730	487	609
2028	0.0%	0	0	0	384	384	11,127	1,783	1,783	487	243	365
2029	0.0%	0	0	0	0	0	11,511	1,836	1,836	243	0	122

\* Column not specified in worksheet

YEAR	(1) NO YEARS BEFORE N-SERVICE	(2) PLANT ESCALATION RATE	(3) CUMULATIVE ESCALATION FACTOR	(4) YEARLY EXPENDITURE (%)	(5) ANNUAL SPENDING (\$MM)	(6) CUMULATIVE AVERAGE SPENDING (\$MM)
1998	3	0.00%	1.000	0.00%	0.00	0.00
1999	2	1.78%	1.018	31.82%	61.82	42.91
2000	1	1.57%	1.033	68.18%	186.11	178.18

100.00% 272.53

YEAR	(8) NO YEARS BEFORE N-SERVICE	(9) CUMULATIVE SPENDING WITH AFUDC (\$MM)	(10) DEBT AFUDC (\$MM)	(11) CUMULATIVE DEBT AFUDC (\$MM)	(12) YEARLY TOTAL AFUDC (\$MM)	(13) CUMULATIVE TOTAL AFUDC (\$MM)	(14) CONSTRUCTION PERIOD INTEREST (\$MM)	(15) CUMULATIVE CONSTRUCTION INTEREST (\$MM)	(16) DEFERRED TAXES (\$MM)	(17) CUMULATIVE DEFERRED TAXES (\$MM)	(18) INCREMENTAL YEAR-END BOOK VALUE (\$MM)	(19) CUMULATIVE YEAR-END BOOK VALUE (\$MM)
1998	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	42.91	1.47	1.47	4.42	4.42	3.28	3.28	(0.89)	(0.89)	90.24	90.24
2000	1	183.80	6.30	7.77	18.97	23.39	13.87	17.15	(3.82)	(3.81)	205.86	295.82

7.77 23.39 17.15 (3.81) 295.82

N SERVICE YEAR 2001  
PLANT COSTS 288  
AFUDC RATE 10.30%

	BOOK BASIS FOR DEBT TAX	TAX BASIS
CONSTRUCTION CASH	10,807	10,807
EQUITY AFUDC	808	808
DEBT AFUDC	302	302
CR		692
TOTAL	11,917	12,509

\* Columns not specified in workbook



(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
YEAR	CUMULATIVE PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	AVERAGE UTILITY SYSTEM FUEL COST (C/MWH)	AVOIDED MAINTENANCE FUEL COST (C/MWH)	INCREASED MAINTENANCE FUEL COST (C/MWH)	REPLACEMENT PROGRAM MW PROGRAM MW FUEL COST EFFECTIVENESS FACTOR	PROGRAM MW FUEL COST EFFECTIVENESS FACTOR	PROGRAM MW FUEL COST EFFECTIVENESS FACTOR
1998	0	0	2.00	2.11	2.22	0.00	1.00	1.00
1999	17,488	17,488	2.23	2.40	2.52	0.00	1.00	1.00
2000	34,871	34,871	2.43	2.65	2.80	0.00	1.00	1.00
2001	34,871	34,871	2.75	3.04	3.28	4.23	1.00	1.00
2002	34,871	34,871	2.83	2.82	3.07	3.98	1.00	1.00
2003	34,871	34,871	2.80	2.91	3.15	3.78	1.00	1.00
2004	34,871	34,871	2.78	3.13	3.40	4.50	1.00	1.00
2005	34,871	34,871	2.85	3.22	3.53	4.86	1.00	1.00
2006	34,871	34,871	2.82	3.31	3.65	5.81	1.00	1.00
2007	34,871	34,871	3.04	3.48	3.87	7.23	1.00	1.00
2008	34,871	34,871	2.98	3.40	3.80	7.79	1.00	1.00
2009	34,871	34,871	3.07	3.51	3.83	8.79	1.00	1.00
2010	34,871	34,871	3.20	3.68	4.09	7.95	1.00	1.00
2011	34,871	34,871	3.29	3.79	4.18	7.40	1.00	1.00
2012	34,871	34,871	3.36	3.88	4.32	8.12	1.00	1.00
2013	34,871	34,871	3.46	3.99	4.45	7.84	1.00	1.00
2014	34,871	34,871	3.54	4.08	4.58	7.98	1.00	1.00
2015	34,871	34,871	3.87	4.24	4.73	7.44	1.00	1.00
2016	34,871	34,871	3.70	4.27	4.82	7.28	1.00	1.00
2017	34,871	34,871	3.83	4.44	4.88	7.81	1.00	1.00
2018	34,871	34,871	4.00	4.65	5.22	8.48	1.00	1.00
2019	34,871	34,871	4.18	4.88	5.45	8.51	1.00	1.00
2020	34,871	34,871	4.30	5.03	5.61	8.89	1.00	1.00

\* THIS COLUMN IS USED ONLY FOR LOAD SHIFTING PROGRAMS WHICH SHIFT CONSUMPTION TO OFF-PEAK PERIODS  
THE VALUES REPRESENT THE OFF-PEAK SYSTEM FUEL COSTS

AVOIDED GENERATING BENEFITS  
PROGRAM METHOD SELECTED REV. REC  
PROGRAM NAME C HYAC

YEAR	(2) AVOIDED GEN UNIT CAPACITY COS \$1000	(3) AVOIDED GEN UNIT FIXED O&M \$1000	(4) AVOIDED GEN UNIT VARIABLE O&M \$1000	(5) AVOIDED GEN UNIT FUEL COST \$1000	(6) REPLACEMENT FUEL COST \$1000	(7) AVOIDED GEN UNIT BENEFITS \$1000
1998	0	0	0	0	0	0
1999	0	0	0	0	0	0
2000	1	0	0	0	0	0
2001	2,226	2,488	27	2,133	2,973	1,902
2002	2,190	2,544	46	1,528	1,686	4,377
2003	2,090	2,687	44	1,133	1,250	4,541
2004	2,004	2,771	43	1,378	1,718	4,447
2005	1,830	2,882	42	1,312	1,737	4,389
2006	1,800	2,897	42	1,293	1,690	4,192
2007	1,792	3,117	42	1,262	2,538	3,747
2008	1,727	3,242	42	1,000	1,882	3,591
2009	1,683	3,371	42	1,042	2,306	3,780
2010	1,598	3,508	41	1,085	1,978	4,223
2011	1,535	3,646	41	837	1,578	4,514
2012	1,471	3,782	41	838	1,514	4,681
2013	1,407	3,944	41	838	1,387	4,839
2014	1,343	4,102	40	811	1,548	4,970
2015	1,279	4,286	40	821	1,414	5,168
2016	1,215	4,438	39	1,083	1,659	5,180
2017	1,151	4,614	39	1,283	2,188	5,073
2018	1,087	4,789	39	1,489	2,480	5,080
2019	1,023	4,980	38	1,541	2,579	5,130
2020	959	5,190	38			

HYAC	31,515	73,584	238	23,820	38,157	90,780
NPV	13,530	29,323	88	9,798	14,828	33,819

YEAR	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		
	AVOIDED TRANSMISSION CAP COST \$1000	AVOIDED TRANSMISSION O&M COST \$1000	AVOIDED TRANSMISSION CAP COST \$1000	AVOIDED TRANSMISSION O&M COST \$1000	TOTAL AVOIDED TRANSMISSION CAP COST \$1000	TOTAL AVOIDED TRANSMISSION O&M COST \$1000	AVOIDED DISTRIBUTION CAP COST \$1000	AVOIDED DISTRIBUTION O&M COST \$1000	TOTAL AVOIDED DISTRIBUTION CAP COST \$1000	TOTAL AVOIDED DISTRIBUTION O&M COST \$1000	PROGRAM FUEL SAVINGS \$1000	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	PROGRAM OFF-PEAK PAYBACK	
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	248	56	248	56	308	162	322	250	411	1,230	712	2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544
2001	495	120	495	120	615	322	310	541	642	8,286	3,515	8,286	8,286	8,286	8,286	8,286	8,286	8,286	8,286
2002	478	125	478	125	603	310	298	562	661	6,044	3,321	6,044	6,044	6,044	6,044	6,044	6,044	6,044	6,044
2003	639	130	639	130	769	287	578	584	871	6,519	3,551	6,519	6,519	6,519	6,519	6,519	6,519	6,519	6,519
2004	462	135	462	135	597	279	285	608	884	8,700	3,634	8,700	8,700	8,700	8,700	8,700	8,700	8,700	8,700
2005	425	140	425	140	565	285	285	632	887	6,803	3,735	6,803	6,803	6,803	6,803	6,803	6,803	6,803	6,803
2006	408	148	408	148	554	285	285	617	873	7,286	3,885	7,286	7,286	7,286	7,286	7,286	7,286	7,286	7,286
2007	393	152	393	152	545	285	285	664	929	7,080	3,812	7,080	7,080	7,080	7,080	7,080	7,080	7,080	7,080
2008	378	158	378	158	536	286	286	617	847	7,330	3,915	7,330	7,330	7,330	7,330	7,330	7,330	7,330	7,330
2009	363	164	363	164	527	286	286	709	868	7,739	4,000	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739
2010	348	171	348	171	519	286	286	769	888	7,851	4,202	7,851	7,851	7,851	7,851	7,851	7,851	7,851	7,851
2011	333	177	333	177	511	287	287	800	888	8,119	4,282	8,119	8,119	8,119	8,119	8,119	8,119	8,119	8,119
2012	319	184	319	184	503	287	287	832	1,007	8,179	4,415	8,179	8,179	8,179	8,179	8,179	8,179	8,179	8,179
2013	304	192	304	192	496	287	287	865	1,053	8,529	4,521	8,529	8,529	8,529	8,529	8,529	8,529	8,529	8,529
2014	289	199	289	199	488	288	288	885	1,078	8,843	4,686	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843
2015	274	207	274	207	482	288	288	900	1,104	9,170	4,800	9,170	9,170	9,170	9,170	9,170	9,170	9,170	9,170
2016	259	216	259	216	475	289	289	925	1,132	9,513	4,913	9,513	9,513	9,513	9,513	9,513	9,513	9,513	9,513
2017	244	224	244	224	469	289	289	949	1,161	9,878	5,038	9,878	9,878	9,878	9,878	9,878	9,878	9,878	9,878
2018	230	233	230	233	463	289	289	972	1,191	10,258	5,168	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10,258
2019	215	243	215	243	458	289	289	1,002	1,225	10,573	5,492	10,573	10,573	10,573	10,573	10,573	10,573	10,573	10,573
2020	201	252	201	252	453	289	289	1,031	1,225	10,573	5,492	10,573	10,573	10,573	10,573	10,573	10,573	10,573	10,573
NOM	7,108	3,625	7,108	3,625	10,731	4,618	15,319	20,338	163,838	87,515	87,515	87,515	87,515	87,515	87,515	87,515	87,515	87,515	87,515
NPV	3,172	1,280	3,172	1,280	4,452	2,082	5,500	7,612	60,898	32,837	32,837	32,837	32,837	32,837	32,837	32,837	32,837	32,837	32,837

\* THESE VALUES REPRESENT THE COST OF THE INCREASED FUEL CONSUMPTION DUE TO GREATER OFF-PEAK ENERGY USAGE. USED FOR LOAD SHIFTING PROGRAMS ONLY.

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED REV. REG  
PROGRAM NAME O HVA.

YEAR	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	INCREASED SUPPLY COSTS \$000	UTILITY PROGRAM COSTS \$000	NON-CURRENT PROGRAM COSTS \$000	OTHER COSTS \$000	TOTAL COSTS \$000	AVOIDED GEN. INT BENEFITS \$000	AVOIDED TAX BENEFITS \$000	PROGRAM FUEL SAVINGS \$000	OTHER BENEFITS \$000	TOTAL BENEFITS \$000	NET BENEFITS \$000	CUMULATIVE DISCOUNTED NET BENEFITS \$000	
1998	0	0	0	0	0	0	0	0	0	0	0	0	
1999	0	1,131	-10,623	0	-9,492	0	718	517	0	2,469	(11,237)	(10,311)	
2000	0	1,181	-12,845	81	-11,583	0	1,437	1,749	0	3,186	(8,829)	(18,428)	
2001	0	0	81	0	81	0	0	2,774	0	2,774	8,333	(10,054)	
2002	0	0	83	0	83	0	1,433	2,738	0	4,171	6,463	(3,591)	
2003	0	0	86	0	86	0	1,432	2,723	0	4,155	6,738	(3,146)	
2004	0	0	83	0	83	0	1,448	2,867	0	4,315	6,774	(4,732)	
2005	0	0	90	0	90	0	1,448	3,088	0	4,536	8,913	(8,538)	
2006	0	0	83	0	83	0	1,432	3,168	0	4,600	8,913	(8,538)	
2007	0	0	86	0	86	0	1,437	3,401	0	4,838	8,913	(8,538)	
2008	0	0	96	0	96	0	1,465	3,277	0	4,742	8,913	(8,538)	
2009	0	0	100	0	100	0	1,465	3,415	0	4,880	8,913	(8,538)	
2010	0	0	103	0	103	0	1,464	3,819	0	5,283	8,913	(8,538)	
2011	0	0	108	0	108	0	1,464	3,819	0	5,283	8,913	(8,538)	
2012	0	0	108	0	108	0	1,464	3,819	0	5,283	8,913	(8,538)	
2013	0	0	112	0	112	0	1,525	3,837	0	5,362	10,000	(2,807)	
2014	0	468	4,085	0	4,553	4,859	1,541	4,007	0	10,406	8,864	28,438	
2015	0	471	4,190	0	4,661	4,970	1,538	4,183	0	10,722	10,832	39,843	
2016	0	0	122	0	122	5,198	1,579	4,213	0	10,980	10,832	42,150	
2017	0	0	128	0	128	5,160	1,601	4,409	0	11,169	11,083	44,310	
2018	0	0	130	0	130	5,113	1,624	4,603	0	11,290	11,181	46,311	
2019	0	1,431	13,822	0	15,253	5,080	1,649	4,880	0	11,609	13,732	48,684	
2020	0	1,472	14,322	0	15,794	5,130	1,678	5,081	0	11,889	15,905	48,104	

NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA
NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA	NOVA
0	8,124	58,710	0	66,843	90,780	31,058	78,533	0	198,171	132,328		
0	2,688	28,081	0	28,779	33,818	12,064	28,001	0	73,883	48,104		
Discount Rate												
Beneficial Rate (Cost)/Cost												
8.98												
2.87												

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED REVEALING  
PROGRAM NAME D HVAC

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	PARTICIPANT SAVINGS IN BILLS \$1000	TAX CREDITS \$1000	UTILITY REBATES \$1000	OTHER BENEFITS \$1000	TOTAL BENEFITS \$1000	CUSTOMER EQUIPMENT COSTS \$1000	CUSTOMER O&M COSTS \$1000	OTHER COSTS \$1000	TOTAL COSTS \$1000	NET BENEFITS \$1000	CUMULATIVE DISCOUNTED NET BENEFITS \$1000
1999	1,818	0	0	0	1,818	0	0	0	1,818	0	0
2000	4,807	0	2,568	0	7,375	10,804	59	0	10,863	0	0
2001	6,451	0	0	0	6,451	0	81	0	6,532	0	0
2002	6,448	0	0	0	6,448	0	63	0	6,511	0	0
2003	6,548	0	0	0	6,548	0	66	0	6,614	0	0
2004	6,598	0	0	0	6,598	0	66	0	6,664	0	0
2005	6,838	0	0	0	6,838	0	83	0	6,921	0	0
2006	6,815	0	0	0	6,815	0	83	0	6,898	0	0
2007	6,802	0	0	0	6,802	0	90	0	6,892	0	0
2008	6,883	0	0	0	6,883	0	98	0	6,981	0	0
2009	6,879	0	0	0	6,879	0	100	0	6,979	0	0
2010	6,823	0	0	0	6,823	0	103	0	6,926	0	0
2011	6,808	0	0	0	6,808	0	109	0	6,917	0	0
2012	6,887	0	0	0	6,887	0	108	0	6,995	0	0
2013	6,907	0	0	0	6,907	0	112	0	7,019	0	0
2014	6,886	0	280	0	7,166	3,888	118	0	4,086	0	0
2015	7,036	0	279	0	7,315	4,080	119	0	4,199	0	0
2016	7,084	0	0	0	7,084	0	122	0	4,262	0	0
2017	7,080	0	0	0	7,080	0	128	0	4,308	0	0
2018	7,142	0	0	0	7,142	0	130	0	4,438	0	0
2019	7,190	0	2,308	0	9,498	13,788	133	0	4,629	0	0
2020	7,240	0	0	0	7,240	14,185	137	0	4,776	0	0

NOM	142,888	0	10,353	0	153,241	57,512	2,207	0	60,719	60,518	60,518
NPV	57,184	0	5,818	0	62,812	25,295	829	0	28,091	28,091	28,091

In Service of Gas Unit  
Discount Rate  
Benefit/Cost Ratio (Costs) / (Costs)

2001  
8.8%  
2.48%

RATE APPAL TEST  
PROGRAM METHOD SELECTED REV. REG  
PROGRAM NAME CHVAC

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
INCREASED SUPPLY COSTS	UTILITY PROGRAM COSTS	AGENTS COSTS	REVENUE LOSSES	OTHER COSTS	TOTAL COSTS	AVOIDED GEN UNIT & FUEL BENEFITS	AVOIDED T&D BENEFITS	REVENUE GAINS	OTHER BENEFITS	TOTAL BENEFITS	NET BENEFITS	CUMULATIVE DISCOUNTED NET BENEFITS	
\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	\$1000	
1998	0	1,131	0	2,568	1,375	0	0	0	0	0	0	0	
2000	0	1,161	0	2,568	4,002	0	0	0	0	0	0	0	
2001	0	0	0	0	5,460	0	0	0	0	0	0	0	
2002	0	0	0	0	5,460	0	0	0	0	0	0	0	
2003	0	0	0	0	5,538	0	0	0	0	0	0	0	
2004	0	0	0	0	5,550	0	0	0	0	0	0	0	
2005	0	0	0	0	5,800	0	0	0	0	0	0	0	
2006	0	0	0	0	5,572	0	0	0	0	0	0	0	
2007	0	0	0	0	5,586	0	0	0	0	0	0	0	
2008	0	0	0	0	5,822	0	0	0	0	0	0	0	
2009	0	0	0	0	5,815	0	0	0	0	0	0	0	
2010	0	0	0	0	5,702	0	0	0	0	0	0	0	
2011	0	0	0	0	5,873	0	0	0	0	0	0	0	
2012	0	0	0	0	5,371	0	0	0	0	0	0	0	
2013	0	0	0	0	5,741	0	0	0	0	0	0	0	
2014	0	498	0	280	5,800	0	0	0	0	0	0	0	
2015	0	471	0	279	5,833	0	0	0	0	0	0	0	
2016	0	0	0	0	5,861	0	0	0	0	0	0	0	
2017	0	0	0	0	5,870	0	0	0	0	0	0	0	
2018	0	1,431	0	2,309	5,834	0	0	0	0	0	0	0	
2019	0	1,472	0	2,308	5,898	0	0	0	0	0	0	0	
2020	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	0	1,131	0	2,568	1,375	0	0	0	0	0	0	0	
NET BENEFITS	0	0	0	0	0	0	0	0	0	0	0	0	
CUMULATIVE DISCOUNTED NET BENEFITS	0	0	0	0	0	0	0	0	0	0	0	0	

NOVA	DISCOUNT RATE	NOVA	DISCOUNT RATE	NOVA	DISCOUNT RATE	NOVA	DISCOUNT RATE
0	8.5%	0	8.5%	0	8.5%	0	8.5%
0	1.32	0	1.32	0	1.32	0	1.32

Beneficial Plans (Part 7) / Cost (7)