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May 2, 2016

**VIA HAND DELIVERY**

**REDACTED**

RECEIVED-FPSC  
2016 MAY -2 PM 1:51  
COMMISSION  
CLERK

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 160002-EG**

Dear Ms. Stauffer:

I enclose for filing in the above docket Florida Power & Light Company's ("FPL's") Request for Confidential Classification of certain information provided in portions of Schedule CT-6 to Exhibit AS-1 to the testimonies of witnesses Anita Sharma and Terry J. Keith. The request includes Exhibits A, B (two copies), C and D.

Exhibit A consists of the confidential documents, and all the information that FPL asserts is entitled to confidential treatment has been highlighted. Exhibit B is an edited version of Exhibit A, in which the information FPL asserts is confidential has been redacted. Exhibit C is a justification table in support of FPL's Request for Confidential Classification. Exhibit D contains the affidavit in support of FPL's Request for Confidential Classification.

Please contact me should you or your Staff have any questions regarding this filing.

Sincerely,

Kenneth M. Rubin

COM \_\_\_\_\_  
AFD \_\_\_\_\_  
APA \_\_\_\_\_  
ECO let B  
ENG \_\_\_\_\_  
GCL \_\_\_\_\_  
IDM \_\_\_\_\_  
TEL \_\_\_\_\_  
CLK \_\_\_\_\_

Enclosures  
cc: parties of record, w/o exhibits

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Energy Conservation Cost Recovery  
Clause

Docket No: 160002-EG  
Filed: May 2, 2016

**FLORIDA POWER & LIGHT COMPANY'S REQUEST FOR  
CONFIDENTIAL CLASSIFICATION REGARDING CONFIDENTIAL  
INFORMATION CONTAINED IN SCHEDULE CT-6 OF TRUE-UP FILING**

Florida Power & Light Company ("FPL"), pursuant to Section 366.093, Florida Statutes, and Rule 25-22.006, Florida Administrative Code, requests confidential classification of certain information contained in portions of Schedule CT-6 to Exhibit AS-1 to the prepared testimony of witness Anita Sharma (the "Confidential Information"). In support of its Request, FPL states as follows:

1. On May 2, 2016, FPL filed the testimony of Anita Sharma, including Schedule CT-6 to Exhibit AS-1, in support of its cost effectiveness reports regarding specific customers who qualified for incentives under FPL's Business Custom Incentives ("BCI") Program. The inclusion of customer specific cost-effectiveness runs in FPL's Energy Conservation Clause true-up filing consistent with and in accordance with the requirements of Order No. PSC-93-0472-FOF-EG. Pursuant to Rule 25-22.006(3)(a), F.A.C., FPL files this Request for Confidential Classification.

2. The following exhibits are included with, and made a part of, this Request:

a. Exhibit A consists of a copy of Schedule CT-6 to Exhibit AS-1, in which all of the Confidential Information that FPL asserts is entitled to confidential treatment has been highlighted.

b. Exhibit B consists of a copy of CT-6 to Exhibit AS-1 in which all of the Confidential Information that FPL asserts is entitled to confidential treatment has been redacted.

c. Exhibit C is a table that identifies the information highlighted in Exhibit A, together with references to the specific statutory bases for the claim of confidentiality and to the declarant who supports the requested confidential classification.

d. Exhibit D is the affidavit of Anita Sharma in support of this request.

3. FPL submits that the highlighted information in Exhibit A is proprietary confidential business information within the meaning of Section 366.093(3), F.S. This information in Exhibit A is intended to be and is treated by FPL as private, and its confidentiality has been maintained. Pursuant to Section 366.093, F.S., such information is entitled to confidential treatment and is exempt from the disclosure provisions of the public records law. Thus, once the Commission determines that the information in question is proprietary confidential business information, the Commission is not required to engage in any further analysis or review such as weighing the harm of disclosure against the public interest in access to the

4. A portion of the information FPL has been required to file in Schedule CT-6 to Exhibit AS-1 to comply with Rule 25-17.015(5) constitutes proprietary confidential business information, as is more fully described below.

5. The information in Schedule CT-6 to Exhibit AS-1 for which FPL seeks confidential classification is customer-specific information which relates to and is linked to specific customer names. FPL adheres to a corporate policy which, in the absence of a subpoena, Commission or Court Order, or other similar directive, prohibits the release or disclosure of customer-specific information without the consent of the customer. This policy is consistent with prior Commission decisions on this issue involving the treatment of customer specific information and data. The FPL customers identified in Schedule CT-6 to Exhibit AS-1 referred to herein have not consented to the release of their customer-specific information. In

addition, the information for which FPL seeks confidential classification is confidential and proprietary to the customers, the release of which would or could harm the customers' business operations. This information contains information relating to the customers' competitive interests, the disclosure of which would or might impair the competitive business of the customers. This information is protected by Section 366.093(3)(e), Fla. Stat.

6. Upon a finding by the Commission that the confidential information highlighted in Exhibit A and referenced in Exhibit C is proprietary confidential business information, the confidential information should not be declassified for at least eighteen (18) months and should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business. *See* § 366.093(4), Fla. Stat.

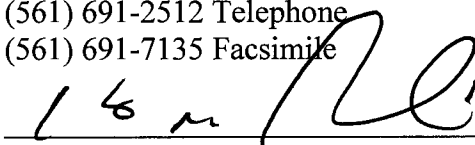
**WHEREFORE**, for the above and foregoing reasons, as more fully set forth in the supporting materials and affidavits included herewith, Florida Power & Light Company respectfully requests that its Request for Confidential Classification be granted.

Respectfully submitted this 2nd day of May, 2016.

Respectfully submitted,

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By:

  
Kenneth M. Rubin  
Florida Bar No. 349038



**CERTIFICATE OF SERVICE**

**Docket No. 160002-EG**

I HEREBY CERTIFY that a true and correct copy of the foregoing Request for Confidential Classification\* has been furnished by electronic service on this 2nd day of May, 2016 to the following:

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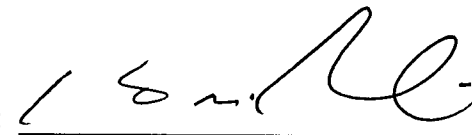
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By:



Kenneth M. Rubin

\* The exhibits to this Request are not included with the service copies, but a redacted version of Exhibit AS-1 (Exhibit B) is included with the testimony of Ms. Sharma that is being served on all parties, and copies of Exhibits C and D are available upon request.

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**EXHIBIT A**

**CONFIDENTIAL**

**FILED UNDER SEPARATE COVER**

**EXHIBIT B**

**REDACTED COPIES**

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	50.93 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	66.96329 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	551,423.15 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE.....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA -- PART I CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME:

A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	1	10	0	10	10	4	168	0	168	
2016	0	0	0	0	21	9	0	0	0	
2017	0	0	0	0	22	9	0	0	0	
2018	0	0	0	0	25	9	0	0	0	
2019	0	0	0	0	27	10	0	0	0	
2020	0	0	0	0	27	10	0	0	0	
2021	0	0	0	0	28	10	0	0	0	
2022	0	0	0	0	28	11	0	0	0	
2023	0	0	0	0	30	10	0	0	0	
2024	0	0	0	0	30	10	0	0	0	
2025	0	0	0	0	31	10	0	0	0	
2026	0	0	0	0	32	10	0	0	0	
2027	0	0	0	0	33	10	0	0	0	
2028	1	10	0	10	34	10	231	0	231	
2029	0	0	0	0	36	10	0	0	0	
2030	0	0	0	0	37	10	0	0	0	
2031	0	0	0	0	38	10	0	0	0	
2032	0	0	0	0	40	10	0	0	0	
2033	0	0	0	0	44	11	0	0	0	
2034	0	0	0	0	46	11	0	0	0	
2035	0	0	0	0	48	11	0	0	0	
2036	0	0	0	0	52	11	0	0	0	
2037	0	0	0	0	54	11	0	0	0	
2038	0	0	0	0	57	11	0	0	0	
2039	0	0	0	0	59	11	0	0	0	
2040	0	0	0	0	61	11	0	0	0	
2041	1	10	0	10	64	12	319	0	319	
2042	0	0	0	0	68	12	0	0	0	
2043	0	0	0	0	72	12	0	0	0	
2044	0	0	0	0	76	12	0	0	0	
2045	0	0	0	0	80	12	0	0	0	
2046	0	0	0	0	84	12	0	0	0	
2047	0	0	0	0	88	12	0	0	0	
2048	0	0	0	0	93	12	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	2	29	0	31	1,577	357	718	0	718	
NPV	1	14	0	14	412	118	285	0	285	

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	63	1	0	4	2	1	0	2	0	11	11	11	62
2020	60	1	0	4	2	1	0	2	1	11	10	21	63
2021	57	1	0	4	2	1	0	2	1	10	9	30	65
2022	55	1	0	3	2	1	0	2	1	10	8	38	67
2023	52	1	0	3	2	1	0	2	1	9	7	45	68
2024	49	1	0	3	2	1	0	2	0	9	6	51	70
2025	47	1	0	3	2	1	0	2	0	9	6	57	72
2026	44	1	0	3	1	1	0	2	0	8	5	62	73
2027	42	1	0	3	1	1	0	2	0	8	5	66	75
2028	39	1	0	2	1	1	0	2	0	8	4	70	77
2029	37	1	0	2	1	1	0	2	0	7	4	74	79
2030	35	1	0	2	1	1	0	2	0	7	3	77	81
2031	32	1	0	2	1	1	0	2	0	7	3	80	83
2032	30	1	0	2	1	1	0	2	0	6	3	82	85
2033	28	1	0	2	1	1	0	2	0	6	2	85	87
2034	25	1	0	2	1	1	0	2	0	6	2	86	90
2035	23	0	0	1	1	0	0	2	0	5	2	88	92
2036	21	0	0	1	1	0	0	2	0	5	2	90	94
2037	18	0	0	1	0	0	0	2	0	5	1	91	96
2038	16	0	0	1	0	0	0	2	0	5	1	92	99
2039	14	0	0	1	1	0	0	2	(0)	4	1	93	101
2040	12	0	0	1	1	0	0	2	(1)	4	1	94	104
2041	10	0	0	1	1	0	0	2	(1)	4	1	95	106
2042	9	0	0	1	1	0	0	2	(1)	4	1	95	109
2043	8	0	0	0	1	0	0	2	(1)	3	1	96	112
2044	7	0	0	0	1	0	0	2	(1)	3	1	97	115
2045	5	0	0	0	1	0	0	2	(1)	3	0	97	117
2046	4	0	0	0	1	0	0	2	(1)	3	0	97	120
2047	3	0	0	0	1	0	0	2	(1)	3	0	98	123
2048	1	0	0	0	1	0	0	2	(1)	2	0	98	126

IN SERVICE COST (\$000)	62
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	4	7	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	11	2	6	2	6	1	3	0	0	0	1	1
2022	6.18%	4	14	2	8	2	8	1	3	0	0	0	1	2
2023	5.71%	3	18	2	10	2	10	1	3	0	0	0	1	2
2024	5.29%	3	21	2	12	2	12	0	3	0	0	0	0	3
2025	4.89%	3	24	2	14	2	14	0	3	0	0	0	0	3
2026	4.52%	3	27	2	16	2	16	0	3	0	0	0	0	3
2027	4.46%	3	30	2	19	2	18	0	3	0	0	0	0	4
2028	4.46%	3	32	2	21	2	20	0	3	0	0	0	0	4
2029	4.46%	3	35	2	23	2	21	0	3	0	0	0	0	4
2030	4.46%	3	38	2	25	2	23	0	3	0	0	0	0	5
2031	4.46%	3	40	2	27	2	25	0	3	0	0	0	0	5
2032	4.46%	3	43	2	29	2	27	0	3	0	0	0	0	5
2033	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	6
2034	4.46%	3	49	2	33	2	31	0	3	0	0	0	0	6
2035	4.46%	3	51	2	35	2	33	0	3	0	0	0	0	6
2036	4.46%	3	54	2	37	2	35	0	3	0	0	0	0	6
2037	4.46%	3	57	2	39	2	37	0	3	0	0	0	0	7
2038	4.46%	3	59	2	41	2	39	0	3	0	0	0	0	7
2039	2.23%	1	61	2	43	2	41	(0)	3	0	0	0	(0)	7
2040	0.00%	0	61	2	45	2	43	(1)	3	0	0	0	(1)	6
2041	0.00%	0	61	2	47	2	45	(1)	3	0	0	0	(1)	5
2042	0.00%	0	61	2	49	2	47	(1)	3	0	0	0	(1)	5
2043	0.00%	0	61	2	52	2	49	(1)	3	0	0	0	(1)	4
2044	0.00%	0	61	2	54	2	51	(1)	3	0	0	0	(1)	3
2045	0.00%	0	61	2	56	2	53	(1)	3	0	0	0	(1)	2
2046	0.00%	0	61	2	58	2	55	(1)	3	0	0	0	(1)	2
2047	0.00%	0	61	2	60	2	57	(1)	3	0	0	0	(1)	1
2048	0.00%	0	61	2	62	2	59	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	2	0	60	2	(1)	63	60	62
2020	7.22%	4	1	58	4	0	60	57	59
2021	6.68%	4	1	56	6	1	57	55	56
2022	6.18%	4	1	54	8	2	55	52	53
2023	5.71%	3	1	52	10	2	52	49	51
2024	5.29%	3	0	49	12	3	49	47	48
2025	4.89%	3	0	47	14	3	47	44	45
2026	4.52%	3	0	45	16	3	44	42	43
2027	4.46%	3	0	43	19	4	42	39	41
2028	4.46%	3	0	41	21	4	39	37	38
2029	4.46%	3	0	39	23	4	37	35	36
2030	4.46%	3	0	37	25	5	35	32	34
2031	4.46%	3	0	35	27	5	32	30	31
2032	4.46%	3	0	33	29	5	30	28	29
2033	4.46%	3	0	31	31	6	28	25	27
2034	4.46%	3	0	29	33	6	25	23	24
2035	4.46%	3	0	27	35	6	23	21	22
2036	4.46%	3	0	25	37	6	21	18	19
2037	4.46%	3	0	23	39	7	18	16	17
2038	4.46%	3	0	21	41	7	16	14	15
2039	2.23%	1	(0)	19	43	7	14	12	13
2040	0.00%	0	(1)	16	45	6	12	10	11
2041	0.00%	0	(1)	14	47	5	10	9	10
2042	0.00%	0	(1)	12	49	5	9	8	8
2043	0.00%	0	(1)	10	52	4	8	7	7
2044	0.00%	0	(1)	8	54	3	7	5	6
2045	0.00%	0	(1)	6	56	2	5	4	5
2046	0.00%	0	(1)	4	58	2	4	3	3
2047	0.00%	0	(1)	2	60	1	3	1	2
2048	0.00%	0	(1)	0	62	0	1	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	11	4	0	13	17	11
2020	10	4	0	23	28	10
2021	10	5	0	23	29	9
2022	10	5	0	24	28	10
2023	9	5	0	25	29	10
2024	9	5	0	26	30	10
2025	9	5	0	27	31	10
2026	8	5	0	27	30	10
2027	8	5	0	28	31	10
2028	8	5	0	29	32	11
2029	7	6	0	30	33	10
2030	7	6	0	31	33	10
2031	7	6	0	32	35	10
2032	6	6	1	33	36	10
2033	6	6	1	35	37	10
2034	6	6	1	36	39	10
2035	5	6	1	37	40	10
2036	5	7	1	39	41	10
2037	5	7	1	40	42	10
2038	4	7	1	42	44	10
2039	4	7	1	43	45	10
2040	4	7	1	45	47	10
2041	4	7	1	46	48	10
2042	3	8	1	48	50	10
2043	3	8	1	50	52	10
2044	3	8	1	52	54	10
2045	3	8	1	54	56	10
2046	3	8	1	56	58	10
2047	2	9	1	58	59	10
2048	2	9	1	60	62	11
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	180	189	16	1,111	1,194	303
NPV	66	49	4	267	298	89



AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME [REDACTED]      A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	3	3	0	2
2023	3	4	4	0	3
2024	4	5	5	0	4
2025	4	5	5	0	4
2026	4	5	6	0	4
2027	4	6	6	0	5
2028	5	6	7	0	5
2029	5	7	8	0	6
2030	6	8	8	0	6
2031	7	9	9	0	7
2032	7	9	10	0	8
2033	8	10	11	0	8
2034	9	11	12	0	9
2035	9	12	13	0	10
2036	10	13	14	0	11
2037	11	14	15	0	12
2038	12	16	16	0	13
2039	13	17	18	0	14
2040	14	18	19	0	15
2041	15	20	21	0	16
2042	16	21	22	0	17
2043	17	23	24	0	18
2044	19	24	26	0	20
2045	20	26	27	0	21
2046	21	28	29	0	23
2047	23	30	31	0	24
2048	24	32	33	0	26
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	292	383	402	0	311
NPV	53	69	73	0	56

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME ████████████████████ A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	168	0	168	0	0	23	0	24	(145)	(135)
2016	0	0	0	0	0	0	2	75	0	78	78	(67)
2017	0	0	0	0	0	0	2	63	0	66	66	(14)
2018	0	0	0	0	0	0	2	83	0	86	86	50
2019	0	0	0	0	0	11	2	118	0	132	132	141
2020	0	0	0	0	0	10	2	109	0	120	120	219
2021	0	0	0	0	0	9	2	101	0	113	113	287
2022	0	0	0	0	0	10	2	94	2	108	108	348
2023	0	0	0	0	0	10	2	95	3	110	110	405
2024	0	0	0	0	0	10	2	84	4	99	99	453
2025	0	0	0	0	0	10	2	105	4	121	121	508
2026	0	0	0	0	0	10	2	98	4	115	115	556
2027	0	0	0	0	0	10	2	92	5	109	109	598
2028	0	1	231	0	232	11	2	105	5	123	(109)	559
2029	0	0	0	0	0	10	2	81	6	98	98	592
2030	0	0	0	0	0	10	2	96	6	114	114	628
2031	0	0	0	0	0	10	2	100	7	118	118	662
2032	0	0	0	0	0	10	2	72	8	91	91	687
2033	0	0	0	0	0	10	1	103	8	122	122	718
2034	0	0	0	0	0	10	1	75	9	96	96	740
2035	0	0	0	0	0	10	1	65	10	87	87	759
2036	0	0	0	0	0	10	1	77	11	100	100	779
2037	0	0	0	0	0	10	1	80	12	104	104	799
2038	0	0	0	0	0	10	1	76	13	100	100	816
2039	0	0	0	0	0	10	1	71	14	96	96	832
2040	0	0	0	0	0	10	1	71	15	97	97	847
2041	0	1	319	0	320	10	1	76	16	103	(217)	816
2042	0	0	0	0	0	10	1	86	17	115	115	831
2043	0	0	0	0	0	10	1	82	18	112	112	845
2044	0	0	0	0	0	10	1	89	20	120	120	859
2045	0	0	0	0	0	10	1	84	21	117	117	871
2046	0	0	0	0	0	10	1	75	23	109	109	882
2047	0	0	0	0	0	10	1	78	24	113	113	892
2048	0	0	0	0	0	11	1	95	26	132	132	903
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	718	0	721	303	54	2,877	311	3,546	2,826	
NPV	0	1	285	0	286	89	21	1,024	56	1,190	903	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 4.16

**1** PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

**A**

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	17	0	10	0	26	168	0	0	168	(142)	(132)
2016	34	0	0	0	34	0	0	0	0	34	(102)
2017	35	0	0	0	35	0	0	0	0	35	(74)
2018	39	0	0	0	39	0	0	0	0	39	(45)
2019	42	0	0	0	42	0	0	0	0	42	(16)
2020	43	0	0	0	43	0	0	0	0	43	12
2021	44	0	0	0	44	0	0	0	0	44	38
2022	45	0	0	0	45	0	0	0	0	45	63
2023	46	0	0	0	46	0	0	0	0	46	87
2024	47	0	0	0	47	0	0	0	0	47	110
2025	48	0	0	0	48	0	0	0	0	48	132
2026	49	0	0	0	49	0	0	0	0	49	152
2027	50	0	0	0	50	0	0	0	0	50	172
2028	52	0	10	0	61	231	0	0	231	(170)	110
2029	53	0	0	0	53	0	0	0	0	53	128
2030	55	0	0	0	55	0	0	0	0	55	145
2031	56	0	0	0	56	0	0	0	0	56	161
2032	59	0	0	0	59	0	0	0	0	59	177
2033	64	0	0	0	64	0	0	0	0	64	194
2034	66	0	0	0	66	0	0	0	0	66	209
2035	69	0	0	0	69	0	0	0	0	69	224
2036	74	0	0	0	74	0	0	0	0	74	239
2037	76	0	0	0	76	0	0	0	0	76	254
2038	80	0	0	0	80	0	0	0	0	80	268
2039	83	0	0	0	83	0	0	0	0	83	281
2040	85	0	0	0	85	0	0	0	0	85	294
2041	89	0	10	0	99	319	0	0	319	(221)	263
2042	93	0	0	0	93	0	0	0	0	93	275
2043	99	0	0	0	99	0	0	0	0	99	287
2044	103	0	0	0	103	0	0	0	0	103	299
2045	108	0	0	0	108	0	0	0	0	108	310
2046	113	0	0	0	113	0	0	0	0	113	321
2047	119	0	0	0	119	0	0	0	0	119	332
2048	124	0	0	0	124	0	0	0	0	124	343
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	2,257	0	29	0	2,285	718	0	0	718	1,567	
NPV	615	0	14	0	628	285	0	0	285	343	

In Service of Gen Unit: 2019  
Discount Rate : 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 2.20

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	10	15	0	25	23	0	0	0	24	(1)	(1)
2016	0	0	0	30	0	30	75	2	0	0	78	48	41
2017	0	0	0	31	0	31	63	2	0	0	66	35	69
2018	0	0	0	34	0	34	83	2	0	0	86	52	108
2019	0	0	0	37	0	37	130	2	0	0	132	95	174
2020	0	0	0	37	0	37	118	2	0	0	120	83	228
2021	0	0	0	38	0	38	111	2	0	0	113	75	273
2022	0	0	0	39	0	39	104	2	0	2	108	69	312
2023	0	0	0	40	0	40	105	2	0	3	110	70	348
2024	0	0	0	41	0	41	93	2	0	4	99	58	376
2025	0	0	0	41	0	41	115	2	0	4	121	79	412
2026	0	0	0	42	0	42	109	2	0	4	115	73	443
2027	0	0	0	43	0	43	102	2	0	5	109	65	468
2028	0	1	10	45	0	55	116	2	0	5	123	68	493
2029	0	0	0	46	0	46	91	2	0	6	98	53	510
2030	0	0	0	47	0	47	106	2	0	6	114	67	532
2031	0	0	0	48	0	48	109	2	0	7	118	70	552
2032	0	0	0	51	0	51	82	2	0	8	91	40	563
2033	0	0	0	55	0	55	112	1	0	8	122	68	580
2034	0	0	0	57	0	57	85	1	0	9	96	39	589
2035	0	0	0	59	0	59	75	1	0	10	87	28	595
2036	0	0	0	63	0	63	88	1	0	11	100	37	603
2037	0	0	0	65	0	65	90	1	0	12	104	38	610
2038	0	0	0	68	0	68	86	1	0	13	100	32	615
2039	0	0	0	71	0	71	81	1	0	14	96	26	620
2040	0	0	0	73	0	73	81	1	0	15	97	24	623
2041	0	1	10	76	0	86	86	1	0	16	103	17	626
2042	0	0	0	79	0	79	96	1	0	17	115	36	630
2043	0	0	0	84	0	84	92	1	0	18	112	28	634
2044	0	0	0	88	0	88	99	1	0	20	120	32	637
2045	0	0	0	92	0	92	94	1	0	21	117	25	640
2046	0	0	0	96	0	96	85	1	0	23	109	13	641
2047	0	0	0	101	0	101	88	1	0	24	113	13	643
2048	0	0	0	105	0	105	105	1	0	26	132	27	645
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	29	1,934	0	1,965	3,181	54	0	311	3,546	1,582	
NPV	0	1	14	530	0	545	1,113	21	0	56	1,190	645	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.18



**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	60.45 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	79.48808 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	269,394.51 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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



1 CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	74	2	0	5	3	1	0	2	0	13	13	13	73
2020	72	1	0	4	2	1	0	2	1	13	12	25	75
2021	68	1	0	4	2	1	0	2	1	12	10	35	77
2022	65	1	0	4	2	1	0	2	1	12	9	45	79
2023	62	1	0	4	2	1	0	2	1	11	8	53	81
2024	58	1	0	4	2	1	0	2	1	11	8	60	83
2025	55	1	0	3	2	1	0	2	0	10	7	67	85
2026	52	1	0	3	2	1	0	2	0	10	6	73	87
2027	50	1	0	3	2	1	0	2	0	10	5	79	89
2028	47	1	0	3	2	1	0	2	0	9	5	83	92
2029	44	1	0	3	1	1	0	2	0	9	4	88	94
2030	41	1	0	3	1	1	0	2	0	8	4	91	96
2031	38	1	0	2	1	1	0	2	0	8	3	95	99
2032	36	1	0	2	1	1	0	2	0	8	3	98	101
2033	33	1	0	2	1	1	0	2	0	7	3	100	104
2034	30	1	0	2	1	1	0	2	0	7	2	103	106
2035	27	1	0	2	1	1	0	2	0	7	2	105	109
2036	25	0	0	2	1	1	0	2	0	6	2	107	112
2037	22	0	0	1	1	0	0	2	0	6	2	108	114
2038	19	0	0	1	0	0	0	2	0	5	1	109	117
2039	16	0	0	1	1	0	0	2	(0)	5	1	111	120
2040	14	0	0	1	2	0	0	2	(1)	5	1	112	123
2041	12	0	0	1	1	0	0	2	(1)	4	1	112	126
2042	11	0	0	1	1	0	0	2	(1)	4	1	113	129
2043	9	0	0	1	1	0	0	2	(1)	4	1	114	133
2044	8	0	0	0	1	0	0	2	(1)	4	1	115	136
2045	6	0	0	0	1	0	0	2	(1)	3	1	115	139
2046	5	0	0	0	1	0	0	2	(1)	3	0	116	143
2047	3	0	0	0	1	0	0	2	(1)	3	0	116	146
2048	2	0	0	0	1	(0)	0	2	(1)	3	0	116	150

IN SERVICE COST (\$000)	73
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	5	1	4	0	0	0	1	0
2021	6.68%	5	13	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	4	17	2	10	2	9	1	4	0	0	0	1	2
2023	5.71%	4	21	2	12	2	12	1	4	0	0	0	1	3
2024	5.29%	4	25	2	15	2	14	1	4	0	0	0	1	3
2025	4.89%	4	29	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	32	2	20	2	19	0	4	0	0	0	0	4
2027	4.46%	3	35	2	22	2	21	0	4	0	0	0	0	4
2028	4.46%	3	38	2	24	2	23	0	4	0	0	0	0	5
2029	4.46%	3	42	2	27	2	26	0	4	0	0	0	0	5
2030	4.46%	3	45	2	29	2	28	0	4	0	0	0	0	6
2031	4.46%	3	48	2	32	2	30	0	4	0	0	0	0	6
2032	4.46%	3	51	2	34	2	32	0	4	0	0	0	0	6
2033	4.46%	3	55	2	37	2	35	0	4	0	0	0	0	7
2034	4.46%	3	58	2	39	2	37	0	4	0	0	0	0	7
2035	4.46%	3	61	2	42	2	39	0	4	0	0	0	0	7
2036	4.46%	3	64	2	44	2	42	0	4	0	0	0	0	8
2037	4.46%	3	67	2	46	2	44	0	4	0	0	0	0	8
2038	4.46%	3	71	2	49	2	46	0	4	0	0	0	0	8
2039	2.23%	2	72	2	51	2	49	(0)	4	0	0	0	(0)	8
2040	0.00%	0	72	2	54	2	51	(1)	4	0	0	0	(1)	7
2041	0.00%	0	72	2	56	2	53	(1)	4	0	0	0	(1)	6
2042	0.00%	0	72	2	59	2	56	(1)	4	0	0	0	(1)	5
2043	0.00%	0	72	2	61	2	58	(1)	4	0	0	0	(1)	4
2044	0.00%	0	72	2	64	2	60	(1)	4	0	0	0	(1)	4
2045	0.00%	0	72	2	66	2	63	(1)	4	0	0	0	(1)	3
2046	0.00%	0	72	2	68	2	65	(1)	4	0	0	0	(1)	2
2047	0.00%	0	72	2	71	2	67	(1)	4	0	0	0	(1)	1
2048	0.00%	0	72	2	73	2	70	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	71	2	(1)	74	72	73
2020	7.22%	5	1	68	5	0	72	68	70
2021	6.68%	5	1	66	7	1	68	65	67
2022	6.18%	4	1	64	10	2	65	62	63
2023	5.71%	4	1	61	12	3	62	58	60
2024	5.29%	4	1	59	15	3	58	55	57
2025	4.89%	4	0	56	17	4	55	52	54
2026	4.52%	3	0	54	20	4	52	50	51
2027	4.46%	3	0	51	22	4	50	47	48
2028	4.46%	3	0	49	24	5	47	44	45
2029	4.46%	3	0	46	27	5	44	41	43
2030	4.46%	3	0	44	29	6	41	38	40
2031	4.46%	3	0	42	32	6	38	36	37
2032	4.46%	3	0	39	34	6	36	33	34
2033	4.46%	3	0	37	37	7	33	30	31
2034	4.46%	3	0	34	39	7	30	27	29
2035	4.46%	3	0	32	42	7	27	25	26
2036	4.46%	3	0	29	44	8	25	22	23
2037	4.46%	3	0	27	46	8	22	19	20
2038	4.46%	3	0	24	49	8	19	16	18
2039	2.23%	2	(0)	22	51	8	16	14	15
2040	0.00%	0	(1)	20	54	7	14	12	13
2041	0.00%	0	(1)	17	56	6	12	11	12
2042	0.00%	0	(1)	15	59	5	11	9	10
2043	0.00%	0	(1)	12	61	4	9	8	9
2044	0.00%	0	(1)	10	64	4	8	6	7
2045	0.00%	0	(1)	7	66	3	6	5	5
2046	0.00%	0	(1)	5	68	2	5	3	4
2047	0.00%	0	(1)	2	71	1	3	2	2
2048	0.00%	0	(1)	(0)	73	0	2	0	1

\* Column not specified in workbook

INPUT DATA -- PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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 T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME : ████████ A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	12	0
2016	2	0	2	0	0	0	37	0
2017	2	0	2	0	0	0	31	0
2018	2	0	2	0	0	0	35	0
2019	2	0	2	0	0	0	51	0
2020	2	0	2	0	0	0	61	0
2021	2	0	2	0	0	0	56	0
2022	2	0	2	0	0	0	48	0
2023	2	0	2	0	0	0	43	0
2024	2	0	2	0	0	0	43	0
2025	1	0	2	0	0	0	54	0
2026	1	0	2	0	0	0	59	0
2027	1	0	2	0	0	0	51	0
2028	1	0	2	0	0	0	52	0
2029	1	0	2	0	0	0	39	0
2030	1	0	2	0	0	0	44	0
2031	1	0	2	0	0	0	52	0
2032	1	0	1	0	0	0	46	0
2033	1	0	1	0	0	0	48	0
2034	1	0	1	0	0	0	39	0
2035	1	0	1	0	0	0	35	0
2036	1	0	1	0	0	0	52	0
2037	1	0	1	0	0	0	54	0
2038	1	1	1	0	0	0	49	0
2039	1	1	1	0	0	0	40	0
2040	1	1	1	0	0	0	42	0
2041	1	1	1	0	0	0	46	0
2042	1	1	1	0	0	0	54	0
2043	1	1	1	0	0	0	50	0
2044	1	1	1	0	0	0	55	0
2045	1	1	1	0	0	0	49	0
2046	1	1	1	0	0	0	39	0
2047	1	1	1	0	0	0	40	0
2048	1	1	1	0	0	0	56	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	39	15	54	5	7	12	1,561	0
NPV	17	4	21	2	2	4	531	0

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



AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	3	3	1	0	1
2023	4	5	2	0	1
2024	4	6	2	0	1
2025	5	6	3	0	1
2026	5	6	3	0	1
2027	5	7	3	0	1
2028	6	8	3	0	2
2029	6	8	4	0	2
2030	7	9	4	0	2
2031	8	10	4	0	2
2032	9	11	5	0	2
2033	9	12	5	0	2
2034	10	13	6	0	3
2035	11	15	6	0	3
2036	12	16	7	0	3
2037	13	17	7	0	3
2038	14	19	8	0	4
2039	15	20	9	0	4
2040	17	22	9	0	4
2041	18	23	10	0	5
2042	19	25	11	0	5
2043	21	27	12	0	5
2044	22	29	13	0	6
2045	24	31	13	0	6
2046	25	33	14	0	6
2047	27	35	15	0	7
2048	29	38	16	0	7
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	347	455	197	0	89
NPV	62	82	36	0	16

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	100	0	100	0	0	12	0	13	(88)	(81)
2016	0	0	0	0	0	0	3	37	0	40	40	(47)
2017	0	0	0	0	0	0	3	31	0	34	34	(20)
2018	0	0	0	0	0	0	3	35	0	38	38	9
2019	0	0	0	0	0	14	3	51	0	67	67	56
2020	0	0	0	0	0	12	3	61	0	75	75	104
2021	0	0	116	0	116	11	2	56	0	70	(46)	76
2022	0	0	0	0	0	12	2	48	1	64	64	112
2023	0	0	0	0	0	13	2	43	1	59	59	142
2024	0	0	0	0	0	12	2	43	1	58	58	171
2025	0	0	0	0	0	12	2	54	1	70	70	202
2026	0	0	0	0	0	13	2	59	1	75	75	233
2027	0	0	134	0	135	12	2	51	1	67	(68)	207
2028	0	0	0	0	0	13	2	52	2	69	69	232
2029	0	0	0	0	0	12	2	39	2	55	55	251
2030	0	0	0	0	0	13	2	44	2	61	61	270
2031	0	0	0	0	0	12	2	52	2	68	68	289
2032	0	0	0	0	0	13	2	46	2	63	63	307
2033	0	0	156	0	156	12	2	48	2	64	(92)	283
2034	0	0	0	0	0	12	2	39	3	56	56	296
2035	0	0	0	0	0	12	2	35	3	52	52	308
2036	0	0	0	0	0	12	2	52	3	69	69	322
2037	0	0	0	0	0	12	2	54	3	71	71	335
2038	0	0	0	0	0	12	2	49	4	66	66	347
2039	0	0	181	0	181	13	2	40	4	58	(123)	327
2040	0	0	0	0	0	12	2	42	4	60	60	336
2041	0	0	0	0	0	12	2	46	5	64	64	345
2042	0	0	0	0	0	13	2	54	5	73	73	355
2043	0	0	0	0	0	12	2	50	5	69	69	363
2044	0	0	0	0	0	12	2	55	6	74	74	372
2045	0	0	210	0	210	12	2	49	6	69	(141)	357
2046	0	0	0	0	0	13	2	39	6	60	60	363
2047	0	0	0	0	0	13	2	40	7	61	61	368
2048	0	0	0	0	0	13	2	56	7	77	77	375
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	896	0	898	372	66	1,561	89	2,089	1,191	
NPV	0	1	306	0	307	109	25	531	16	682	375	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.22

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	12	0	12	0	24	100	0	0	100	(76)	(71)
2016	24	0	0	0	24	0	0	0	0	24	(50)
2017	24	0	0	0	24	0	0	0	0	24	(30)
2018	26	0	0	0	26	0	0	0	0	26	(11)
2019	28	0	0	0	28	0	0	0	0	28	9
2020	29	0	0	0	29	0	0	0	0	29	28
2021	30	0	12	0	42	116	0	0	116	(74)	(17)
2022	31	0	0	0	31	0	0	0	0	31	1
2023	31	0	0	0	31	0	0	0	0	31	17
2024	31	0	0	0	31	0	0	0	0	31	32
2025	32	0	0	0	32	0	0	0	0	32	46
2026	32	0	0	0	32	0	0	0	0	32	59
2027	33	0	12	0	45	134	0	0	134	(89)	25
2028	33	0	0	0	33	0	0	0	0	33	37
2029	34	0	0	0	34	0	0	0	0	34	48
2030	35	0	0	0	35	0	0	0	0	35	59
2031	36	0	0	0	36	0	0	0	0	36	70
2032	37	0	0	0	37	0	0	0	0	37	80
2033	40	0	12	0	52	156	0	0	156	(103)	54
2034	41	0	0	0	41	0	0	0	0	41	64
2035	43	0	0	0	43	0	0	0	0	43	73
2036	45	0	0	0	45	0	0	0	0	45	82
2037	47	0	0	0	47	0	0	0	0	47	91
2038	48	0	0	0	48	0	0	0	0	48	99
2039	50	0	12	0	62	181	0	0	181	(118)	80
2040	51	0	0	0	51	0	0	0	0	51	88
2041	53	0	0	0	53	0	0	0	0	53	95
2042	55	0	0	0	55	0	0	0	0	55	103
2043	58	0	0	0	58	0	0	0	0	58	110
2044	61	0	0	0	61	0	0	0	0	61	117
2045	63	0	12	0	75	210	0	0	210	(134)	102
2046	66	0	0	0	66	0	0	0	0	66	109
2047	69	0	0	0	69	0	0	0	0	69	115
2048	72	0	0	0	72	0	0	0	0	72	121
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	1,399	0	75	0	1,474	896	0	0	896	577	
NPV	397	0	30	0	427	306	0	0	306	121	

In Service of Gen Unit:  
Discount Rate : 2019 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.40

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) OTHER COSTS \$(000)	(7) TOTAL COSTS \$(000)	(8) AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	(9) AVOIDED T&D BENEFITS \$(000)	(10) REVENUE GAINS \$(000)	(11) OTHER BENEFITS \$(000)	(12) TOTAL BENEFITS \$(000)	(13) NET BENEFITS \$(000)	(14) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	12	10	0	23	12	0	0	0	13	(11)	(10)
2016	0	0	0	21	0	21	37	3	0	0	40	19	6
2017	0	0	0	22	0	22	31	3	0	0	34	12	16
2018	0	0	0	23	0	23	35	3	0	0	38	15	27
2019	0	0	0	25	0	25	65	3	0	0	67	42	56
2020	0	0	0	26	0	26	72	3	0	0	75	49	88
2021	0	0	12	27	0	39	67	2	0	0	70	30	106
2022	0	0	0	28	0	28	61	2	0	1	64	36	127
2023	0	0	0	27	0	27	55	2	0	1	59	31	143
2024	0	0	0	28	0	28	55	2	0	1	58	30	157
2025	0	0	0	28	0	28	66	2	0	1	70	42	176
2026	0	0	0	28	0	28	71	2	0	1	75	47	196
2027	0	0	12	29	0	42	64	2	0	1	67	25	206
2028	0	0	0	29	0	29	65	2	0	2	69	40	220
2029	0	0	0	30	0	30	51	2	0	2	55	25	228
2030	0	0	0	31	0	31	57	2	0	2	61	30	238
2031	0	0	0	32	0	32	64	2	0	2	68	36	248
2032	0	0	0	33	0	33	59	2	0	2	63	30	256
2033	0	0	12	35	0	48	60	2	0	2	64	17	261
2034	0	0	0	36	0	36	51	2	0	3	56	19	265
2035	0	0	0	37	0	37	47	2	0	3	52	15	268
2036	0	0	0	39	0	39	65	2	0	3	69	30	275
2037	0	0	0	41	0	41	66	2	0	3	71	31	280
2038	0	0	0	42	0	42	61	2	0	4	66	24	284
2039	0	0	12	43	0	56	53	2	0	4	58	2	285
2040	0	0	0	45	0	45	54	2	0	4	60	15	287
2041	0	0	0	46	0	46	58	2	0	5	64	18	290
2042	0	0	0	48	0	48	67	2	0	5	73	26	293
2043	0	0	0	50	0	50	62	2	0	5	69	19	295
2044	0	0	0	52	0	52	67	2	0	6	74	22	298
2045	0	0	12	54	0	67	62	2	0	6	69	2	298
2046	0	0	0	57	0	57	52	2	0	6	60	3	298
2047	0	0	0	59	0	59	53	2	0	7	61	2	299
2048	0	0	0	61	0	61	68	2	0	7	77	16	300
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	2	75	1,224	0	1,301	1,933	66	0	89	2,089	788	
NPV	0	1	30	351	0	382	640	25	0	16	682	300	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.79

A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	50.46 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	66.35053 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	359,752.92 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

**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 .....	7.54 %
(11) UTILITY AFUDC RATE.....	6.50 %
(12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(14) UTILITY REBATE/INCENTIVE 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

**IV. AVOIDED GENERATOR AND T&D COSTS**

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	0.00 \$/kW
(7) GEN. TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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 .....	*** %



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	62	1	0	4	2	1	0	2	0	11	11	11	61
2020	60	1	0	4	1	1	0	2	1	11	10	21	63
2021	57	1	0	4	2	1	0	2	1	10	9	29	64
2022	54	1	0	3	2	1	0	2	1	10	8	37	66
2023	51	1	0	3	2	1	0	2	1	9	7	44	68
2024	49	1	0	3	2	1	0	2	0	9	6	51	69
2025	46	1	0	3	1	1	0	2	0	9	6	56	71
2026	44	1	0	3	1	1	0	2	0	8	5	61	73
2027	42	1	0	3	1	1	0	2	0	8	4	66	75
2028	39	1	0	2	1	1	0	2	0	8	4	70	77
2029	37	1	0	2	1	1	0	2	0	7	4	73	79
2030	35	1	0	2	1	1	0	2	0	7	3	77	81
2031	32	1	0	2	1	1	0	2	0	7	3	79	83
2032	30	1	0	2	1	1	0	2	0	6	2	82	85
2033	28	1	0	2	1	1	0	2	0	6	2	84	87
2034	25	1	0	2	1	1	0	2	0	6	2	86	89
2035	23	0	0	1	1	0	0	2	0	5	2	88	91
2036	21	0	0	1	1	0	0	2	0	5	1	89	93
2037	18	0	0	1	0	0	0	2	0	5	1	90	96
2038	16	0	0	1	0	0	0	2	0	4	1	92	98
2039	13	0	0	1	1	0	0	2	(0)	4	1	93	101
2040	12	0	0	1	1	0	0	2	(1)	4	1	93	103
2041	10	0	0	1	1	0	0	2	(1)	4	1	94	106
2042	9	0	0	1	1	0	0	2	(1)	4	1	95	108
2043	8	0	0	0	1	0	0	2	(1)	3	1	95	111
2044	6	0	0	0	1	0	0	2	(1)	3	1	96	114
2045	5	0	0	0	1	0	0	2	(1)	3	0	96	117
2046	4	0	0	0	1	0	0	2	(1)	3	0	97	120
2047	3	0	0	0	1	0	0	2	(1)	3	0	97	123
2048	1	0	0	0	1	0	0	2	(1)	2	0	97	126

IN SERVICE COST (\$000)	61
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX.RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

SCHEDULE CT-6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	4	7	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	11	2	6	2	6	1	3	0	0	0	1	1
2022	6.18%	4	14	2	8	2	8	1	3	0	0	0	1	2
2023	5.71%	3	18	2	10	2	10	1	3	0	0	0	1	2
2024	5.29%	3	21	2	12	2	12	0	3	0	0	0	0	3
2025	4.89%	3	24	2	14	2	14	0	3	0	0	0	0	3
2026	4.52%	3	27	2	16	2	16	0	3	0	0	0	0	3
2027	4.46%	3	29	2	18	2	17	0	3	0	0	0	0	4
2028	4.46%	3	32	2	20	2	19	0	3	0	0	0	0	4
2029	4.46%	3	35	2	22	2	21	0	3	0	0	0	0	4
2030	4.46%	3	37	2	25	2	23	0	3	0	0	0	0	5
2031	4.46%	3	40	2	27	2	25	0	3	0	0	0	0	5
2032	4.46%	3	43	2	29	2	27	0	3	0	0	0	0	5
2033	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	5
2034	4.46%	3	48	2	33	2	31	0	3	0	0	0	0	6
2035	4.46%	3	51	2	35	2	33	0	3	0	0	0	0	6
2036	4.46%	3	54	2	37	2	35	0	3	0	0	0	0	6
2037	4.46%	3	56	2	39	2	37	0	3	0	0	0	0	7
2038	4.46%	3	59	2	41	2	39	0	3	0	0	0	0	7
2039	2.23%	1	60	2	43	2	41	(0)	3	0	0	0	(0)	7
2040	0.00%	0	60	2	45	2	43	(1)	3	0	0	0	(1)	6
2041	0.00%	0	60	2	47	2	45	(1)	3	0	0	0	(1)	5
2042	0.00%	0	60	2	49	2	47	(1)	3	0	0	0	(1)	4
2043	0.00%	0	60	2	51	2	48	(1)	3	0	0	0	(1)	4
2044	0.00%	0	60	2	53	2	50	(1)	3	0	0	0	(1)	3
2045	0.00%	0	60	2	55	2	52	(1)	3	0	0	0	(1)	2
2046	0.00%	0	60	2	57	2	54	(1)	3	0	0	0	(1)	1
2047	0.00%	0	60	2	59	2	56	(1)	3	0	0	0	(1)	1
2048	0.00%	0	60	2	61	2	58	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	2	0	59	2	(1)	62	60	61
2020	7.22%	4	1	57	4	0	60	57	59
2021	6.68%	4	1	55	6	1	57	54	56
2022	6.18%	4	1	53	8	2	54	51	53
2023	5.71%	3	1	51	10	2	51	49	50
2024	5.29%	3	0	49	12	3	49	46	48
2025	4.89%	3	0	47	14	3	46	44	45
2026	4.52%	3	0	45	16	3	44	42	43
2027	4.46%	3	0	43	18	4	42	39	40
2028	4.46%	3	0	41	20	4	39	37	38
2029	4.46%	3	0	39	22	4	37	35	36
2030	4.46%	3	0	37	25	5	35	32	33
2031	4.46%	3	0	35	27	5	32	30	31
2032	4.46%	3	0	33	29	5	30	28	29
2033	4.46%	3	0	31	31	5	28	25	26
2034	4.46%	3	0	29	33	6	25	23	24
2035	4.46%	3	0	27	35	6	23	21	22
2036	4.46%	3	0	25	37	6	21	18	19
2037	4.46%	3	0	22	39	7	18	16	17
2038	4.46%	3	0	20	41	7	16	13	15
2039	2.23%	1	(0)	18	43	7	13	12	13
2040	0.00%	0	(1)	16	45	6	12	10	11
2041	0.00%	0	(1)	14	47	5	10	9	10
2042	0.00%	0	(1)	12	49	4	9	8	8
2043	0.00%	0	(1)	10	51	4	8	6	7
2044	0.00%	0	(1)	8	53	3	6	5	6
2045	0.00%	0	(1)	6	55	2	5	4	5
2046	0.00%	0	(1)	4	57	1	4	3	3
2047	0.00%	0	(1)	2	59	1	3	1	2
2048	0.00%	0	(1)	0	61	0	1	0	1

\* Column not specified in workbook

INPUT DATA – PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████ A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ████████████████████████████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	11	4	0	13	16	12
2020	11	4	0	22	28	10
2021	10	5	0	23	28	10
2022	10	5	0	23	28	10
2023	9	5	0	25	29	11
2024	9	5	0	26	30	10
2025	9	5	0	27	31	10
2026	8	5	0	26	30	11
2027	8	5	0	27	31	10
2028	8	5	0	29	31	11
2029	7	6	0	30	33	10
2030	7	6	0	30	33	11
2031	7	6	1	32	35	10
2032	6	6	1	33	35	11
2033	6	6	1	34	37	10
2034	6	6	1	36	38	10
2035	5	7	1	37	39	10
2036	5	7	1	38	40	10
2037	5	7	1	40	42	10
2038	4	7	1	41	43	10
2039	4	7	1	43	44	11
2040	4	7	1	45	46	10
2041	4	8	1	46	48	10
2042	4	8	1	48	49	11
2043	3	8	1	50	51	10
2044	3	8	1	52	54	10
2045	3	8	1	54	55	10
2046	3	9	1	56	57	11
2047	3	9	1	57	59	11
2048	2	9	1	60	61	11
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	184	192	17	1,101	1,183	311
NPV	68	50	4	264	294	91

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████████████████ A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	13	0
2015	0	0	0	0	0	0	28	0
2016	0	0	0	0	0	0	44	0
2017	0	0	0	0	0	0	37	0
2018	0	0	0	0	0	0	48	0
2019	0	0	0	0	0	0	67	0
2020	0	0	0	0	0	0	62	0
2021	0	0	0	0	0	0	58	0
2022	0	0	0	0	0	0	54	0
2023	0	0	0	0	0	0	55	0
2024	0	0	0	0	0	0	49	0
2025	0	0	0	0	0	0	61	0
2026	0	0	0	0	0	0	57	0
2027	0	0	0	0	0	0	54	0
2028	0	0	0	0	0	0	61	0
2029	0	0	0	0	0	0	48	0
2030	0	0	0	0	0	0	56	0
2031	0	0	0	0	0	0	58	0
2032	0	0	0	0	0	0	43	0
2033	0	0	0	0	0	0	60	0
2034	0	0	0	0	0	0	45	0
2035	0	0	0	0	0	0	40	0
2036	0	0	0	0	0	0	46	0
2037	0	0	0	0	0	0	48	0
2038	0	0	0	0	0	0	46	0
2039	0	0	0	0	0	0	43	0
2040	0	0	0	0	0	0	43	0
2041	0	0	0	0	0	0	46	0
2042	0	0	0	0	0	0	52	0
2043	0	0	0	0	0	0	50	0
2044	0	0	0	0	0	0	54	0
2045	0	0	0	0	0	0	52	0
2046	0	0	0	0	0	0	47	0
2047	0	0	0	0	0	0	48	0
2048	0	0	0	0	0	0	58	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	0	0	0	0	0	0	1,731	0
NPV	0	0	0	0	0	0	622	0

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

AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████████████████████████████████ A

YEAR	(2)	(3)	(4)	(5)	(6)
	AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	REPLACEMENT EMISSION COST \$(000)	PROGRAM EMISSION BENEFIT \$(000)	OFF-PEAK EMISSION PAYBACK COST \$(000)	NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	3	2	0	1
2023	3	4	3	0	2
2024	4	5	3	0	2
2025	4	5	3	0	2
2026	4	5	4	0	2
2027	4	6	4	0	3
2028	5	6	4	0	3
2029	5	7	5	0	3
2030	6	8	5	0	4
2031	6	8	6	0	4
2032	7	9	6	0	4
2033	8	10	7	0	5
2034	9	11	8	0	5
2035	9	12	8	0	6
2036	10	13	9	0	6
2037	11	14	10	0	6
2038	12	15	11	0	7
2039	13	17	12	0	8
2040	14	18	12	0	8
2041	15	19	13	0	9
2042	16	21	14	0	10
2043	17	23	16	0	10
2044	19	24	17	0	11
2045	20	26	18	0	12
2046	21	28	19	0	13
2047	23	30	20	0	13
2048	24	31	22	0	14
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	290	380	263	0	173
NPV	52	68	47	0	31

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	129	0	129	0	0	13	0	13	(116)	(116)
2015	0	0	0	0	0	0	0	28	0	28	28	(90)
2016	0	0	0	0	0	0	0	44	0	44	44	(52)
2017	0	0	0	0	0	0	0	37	0	37	37	(22)
2018	0	0	0	0	0	0	0	48	0	48	48	14
2019	0	0	0	0	0	12	0	67	0	79	79	69
2020	0	0	0	0	0	10	0	62	0	72	72	116
2021	0	0	0	0	0	10	0	58	0	68	68	157
2022	0	0	0	0	0	10	0	54	1	66	66	193
2023	0	0	0	0	0	11	0	55	2	67	67	228
2024	0	0	165	0	165	10	0	49	2	61	(104)	178
2025	0	0	0	0	0	10	0	61	2	73	73	211
2026	0	0	0	0	0	11	0	57	2	70	70	240
2027	0	0	0	0	0	10	0	54	3	67	67	266
2028	0	0	0	0	0	11	0	61	3	75	75	293
2029	0	0	0	0	0	10	0	48	3	61	61	313
2030	0	0	0	0	0	11	0	56	4	70	70	335
2031	0	0	0	0	0	10	0	58	4	72	72	356
2032	0	0	0	0	0	11	0	43	4	58	58	372
2033	0	0	0	0	0	10	0	60	5	75	75	391
2034	0	0	211	0	211	10	0	45	5	60	(151)	355
2035	0	0	0	0	0	10	0	40	6	56	56	367
2036	0	0	0	0	0	10	0	46	6	63	63	380
2037	0	0	0	0	0	10	0	48	6	65	65	392
2038	0	0	0	0	0	10	0	46	7	63	63	403
2039	0	0	0	0	0	11	0	43	8	61	61	413
2040	0	0	0	0	0	10	0	43	8	62	62	423
2041	0	0	0	0	0	10	0	46	9	65	65	432
2042	0	0	0	0	0	11	0	52	10	72	72	441
2043	0	0	0	0	0	10	0	50	10	71	71	450
2044	0	0	270	0	271	10	0	54	11	75	(196)	428
2045	0	0	0	0	0	10	0	52	12	74	74	436
2046	0	0	0	0	0	11	0	47	13	70	70	442
2047	0	0	0	0	0	11	0	48	13	72	72	449
2048	0	0	0	0	0	11	0	58	14	83	83	456
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	775	0	776	311	0	1,731	173	2,215	1,439	
NPV	0	0	288	0	289	91	0	622	31	745	456	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.58

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	10	0	10	0	20	129	0	0	129	(109)	(109)
2015	18	0	0	0	18	0	0	0	0	18	(91)
2016	19	0	0	0	19	0	0	0	0	19	(75)
2017	20	0	0	0	20	0	0	0	0	20	(59)
2018	21	0	0	0	21	0	0	0	0	21	(44)
2019	23	0	0	0	23	0	0	0	0	23	(27)
2020	24	0	0	0	24	0	0	0	0	24	(12)
2021	25	0	0	0	25	0	0	0	0	25	3
2022	25	0	0	0	25	0	0	0	0	25	17
2023	25	0	0	0	25	0	0	0	0	25	30
2024	25	0	10	0	35	165	0	0	165	(129)	(33)
2025	25	0	0	0	25	0	0	0	0	25	(21)
2026	26	0	0	0	26	0	0	0	0	26	(11)
2027	26	0	0	0	26	0	0	0	0	26	(0)
2028	27	0	0	0	27	0	0	0	0	27	10
2029	28	0	0	0	28	0	0	0	0	28	19
2030	29	0	0	0	29	0	0	0	0	29	28
2031	30	0	0	0	30	0	0	0	0	30	37
2032	31	0	0	0	31	0	0	0	0	31	45
2033	34	0	0	0	34	0	0	0	0	34	53
2034	35	0	10	0	45	211	0	0	211	(166)	15
2035	36	0	0	0	36	0	0	0	0	36	23
2036	39	0	0	0	39	0	0	0	0	39	30
2037	40	0	0	0	40	0	0	0	0	40	38
2038	42	0	0	0	42	0	0	0	0	42	45
2039	44	0	0	0	44	0	0	0	0	44	52
2040	45	0	0	0	45	0	0	0	0	45	59
2041	47	0	0	0	47	0	0	0	0	47	66
2042	49	0	0	0	49	0	0	0	0	49	72
2043	52	0	0	0	52	0	0	0	0	52	79
2044	54	0	10	0	65	270	0	0	270	(205)	55
2045	57	0	0	0	57	0	0	0	0	57	61
2046	60	0	0	0	60	0	0	0	0	60	67
2047	63	0	0	0	63	0	0	0	0	63	73
2048	66	0	0	0	66	0	0	0	0	66	78
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
NOM	1,219	0	42	0	1,261	775	0	0	775	486	
NPV	348	0	19	0	367	288	0	0	288	78	

In Service of Gen Unit: 2019  
Discount Rate: 7.54 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.27

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	10	10	0	20	13	0	0	0	13	(8)	(8)
2015	0	0	0	18	0	18	28	0	0	0	28	10	2
2016	0	0	0	19	0	19	44	0	0	0	44	25	23
2017	0	0	0	20	0	20	37	0	0	0	37	17	37
2018	0	0	0	21	0	21	48	0	0	0	48	27	58
2019	0	0	0	23	0	23	79	0	0	0	79	56	96
2020	0	0	0	24	0	24	72	0	0	0	72	48	128
2021	0	0	0	25	0	25	68	0	0	0	68	43	153
2022	0	0	0	25	0	25	65	0	0	1	66	41	176
2023	0	0	0	25	0	25	65	0	0	2	67	43	198
2024	0	0	10	25	0	36	59	0	0	2	61	25	211
2025	0	0	0	25	0	25	71	0	0	2	73	48	232
2026	0	0	0	26	0	26	67	0	0	2	70	44	251
2027	0	0	0	26	0	26	64	0	0	3	67	40	266
2028	0	0	0	27	0	27	72	0	0	3	75	47	283
2029	0	0	0	28	0	28	58	0	0	3	61	33	294
2030	0	0	0	29	0	29	66	0	0	4	70	41	307
2031	0	0	0	30	0	30	68	0	0	4	72	42	320
2032	0	0	0	31	0	31	53	0	0	4	58	27	327
2033	0	0	0	34	0	34	70	0	0	5	75	41	337
2034	0	0	10	35	0	46	55	0	0	5	60	15	341
2035	0	0	0	36	0	36	50	0	0	6	56	20	345
2036	0	0	0	39	0	39	57	0	0	6	63	24	350
2037	0	0	0	40	0	40	58	0	0	6	65	25	354
2038	0	0	0	42	0	42	56	0	0	7	63	21	358
2039	0	0	0	44	0	44	54	0	0	8	61	18	361
2040	0	0	0	45	0	45	54	0	0	8	62	17	363
2041	0	0	0	47	0	47	57	0	0	9	65	19	366
2042	0	0	0	49	0	49	62	0	0	10	72	23	369
2043	0	0	0	52	0	52	61	0	0	10	71	19	371
2044	0	0	10	54	0	65	64	0	0	11	75	10	372
2045	0	0	0	57	0	57	62	0	0	12	74	17	374
2046	0	0	0	60	0	60	57	0	0	13	70	10	375
2047	0	0	0	63	0	63	59	0	0	13	72	10	376
2048	0	0	0	66	0	66	69	0	0	14	83	17	377
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	42	1,219	0	1,262	2,042	0	0	173	2,215	954	
NPV	0	0	19	348	0	367	714	0	0	31	745	377	

Discount Rate  
Benefit/Cost Ratio (Col(12) / Col(7)) :

7.54 %  
2.03



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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	61.13 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	80.38750 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	502,795.47 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D .....	1.55920

**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 .....	7.54 %
* (11) UTILITY AFUDC RATE .....	6.50 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART 1 CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	13	0	13	12	5	372	0	0	372
2015	0	0	0	0	22	9	0	0	0	0
2016	0	0	0	0	22	9	0	0	0	0
2017	0	0	0	0	23	10	0	0	0	0
2018	0	0	0	0	25	10	0	0	0	0
2019	0	0	0	0	28	10	0	0	0	0
2020	0	0	0	0	28	11	0	0	0	0
2021	0	0	0	0	28	12	0	0	0	0
2022	0	0	0	0	29	12	0	0	0	0
2023	0	0	0	0	31	11	0	0	0	0
2024	0	0	0	0	32	11	0	0	0	0
2025	0	0	0	0	33	11	0	0	0	0
2026	0	0	0	0	34	10	0	0	0	0
2027	0	0	0	0	35	10	0	0	0	0
2028	0	0	0	0	36	10	0	0	0	0
2029	0	0	0	0	37	11	0	0	0	0
2030	0	0	0	0	38	11	0	0	0	0
2031	0	13	0	13	39	11	566	0	0	566
2032	0	0	0	0	41	11	0	0	0	0
2033	0	0	0	0	45	11	0	0	0	0
2034	0	0	0	0	47	11	0	0	0	0
2035	0	0	0	0	49	11	0	0	0	0
2036	0	0	0	0	52	11	0	0	0	0
2037	0	0	0	0	55	12	0	0	0	0
2038	0	0	0	0	57	12	0	0	0	0
2039	0	0	0	0	59	12	0	0	0	0
2040	0	0	0	0	61	12	0	0	0	0
2041	0	0	0	0	64	12	0	0	0	0
2042	0	0	0	0	67	12	0	0	0	0
2043	0	0	0	0	71	12	0	0	0	0
2044	0	0	0	0	75	12	0	0	0	0
2045	0	0	0	0	79	12	0	0	0	0
2046	0	0	0	0	83	12	0	0	0	0
2047	0	0	0	0	87	13	0	0	0	0
2048	1	13	0	13	91	13	861	0	0	861
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	38	0	39	1,615	384	1,798	0	0	1,798
NPV	0	17	0	18	442	135	609	0	0	609

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	75	2	0	5	3	1	0	2	0	13	13	13	74
2020	73	2	0	5	2	1	0	2	1	13	12	25	76
2021	69	1	0	4	2	1	0	2	1	12	11	36	78
2022	66	1	0	4	2	1	0	2	1	12	10	45	80
2023	62	1	0	4	2	1	0	2	1	11	9	54	82
2024	59	1	0	4	2	1	0	2	1	11	8	61	84
2025	56	1	0	4	2	1	0	2	0	11	7	68	86
2026	53	1	0	3	2	1	0	2	0	10	6	74	88
2027	50	1	0	3	2	1	0	2	0	10	5	80	91
2028	47	1	0	3	2	1	0	2	0	9	5	85	93
2029	45	1	0	3	1	1	0	2	0	9	4	89	95
2030	42	1	0	3	1	1	0	2	0	9	4	93	98
2031	39	1	0	2	1	1	0	2	0	8	3	96	100
2032	36	1	0	2	1	1	0	2	0	8	3	99	102
2033	33	1	0	2	1	1	0	2	0	7	3	102	105
2034	31	1	0	2	1	1	0	2	0	7	2	104	108
2035	28	1	0	2	1	1	0	2	0	7	2	106	110
2036	25	1	0	2	1	1	0	2	0	6	2	108	113
2037	22	0	0	1	1	0	0	2	0	6	2	110	116
2038	19	0	0	1	0	0	0	2	0	5	1	111	119
2039	16	0	0	1	1	0	0	2	(0)	5	1	112	122
2040	14	0	0	1	2	0	0	2	(1)	5	1	113	125
2041	13	0	0	1	1	0	0	2	(1)	4	1	114	128
2042	11	0	0	1	1	0	0	2	(1)	4	1	115	131
2043	9	0	0	1	1	0	0	2	(1)	4	1	116	134
2044	8	0	0	0	1	0	0	2	(1)	4	1	116	138
2045	6	0	0	0	1	0	0	2	(1)	4	1	117	141
2046	5	0	0	0	1	0	0	2	(1)	3	0	117	145
2047	3	0	0	0	1	0	0	2	(1)	3	0	118	148
2048	2	0	0	0	1	0	0	2	(1)	3	0	118	152

IN SERVICE COST (\$000)	74
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	5	1	4	0	0	0	1	0
2021	6.68%	5	13	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	5	17	2	10	2	9	1	4	0	0	0	1	2
2023	5.71%	4	22	2	12	2	12	1	4	0	0	0	1	3
2024	5.29%	4	25	2	15	2	14	1	4	0	0	0	1	3
2025	4.89%	4	29	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	32	2	20	2	19	0	4	0	0	0	0	4
2027	4.46%	3	36	2	22	2	21	0	4	0	0	0	0	5
2028	4.46%	3	39	2	25	2	23	0	4	0	0	0	0	5
2029	4.46%	3	42	2	27	2	26	0	4	0	0	0	0	5
2030	4.46%	3	45	2	30	2	28	0	4	0	0	0	0	6
2031	4.46%	3	49	2	32	2	31	0	4	0	0	0	0	6
2032	4.46%	3	52	2	35	2	33	0	4	0	0	0	0	6
2033	4.46%	3	55	2	37	2	35	0	4	0	0	0	0	7
2034	4.46%	3	58	2	40	2	38	0	4	0	0	0	0	7
2035	4.46%	3	62	2	42	2	40	0	4	0	0	0	0	7
2036	4.46%	3	65	2	45	2	42	0	4	0	0	0	0	8
2037	4.46%	3	68	2	47	2	45	0	4	0	0	0	0	8
2038	4.46%	3	72	2	50	2	47	0	4	0	0	0	0	8
2039	2.23%	2	73	2	52	2	49	(0)	4	0	0	0	(0)	8
2040	0.00%	0	73	2	55	2	52	(1)	4	0	0	0	(1)	7
2041	0.00%	0	73	2	57	2	54	(1)	4	0	0	0	(1)	6
2042	0.00%	0	73	2	59	2	56	(1)	4	0	0	0	(1)	5
2043	0.00%	0	73	2	62	2	59	(1)	4	0	0	0	(1)	5
2044	0.00%	0	73	2	64	2	61	(1)	4	0	0	0	(1)	4
2045	0.00%	0	73	2	67	2	63	(1)	4	0	0	0	(1)	3
2046	0.00%	0	73	2	69	2	66	(1)	4	0	0	0	(1)	2
2047	0.00%	0	73	2	72	2	68	(1)	4	0	0	0	(1)	1
2048	0.00%	0	73	2	74	2	70	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	3	0	72	2	(1)	75	73	74
2020	7.22%	5	1	69	5	0	73	69	71
2021	6.68%	5	1	67	7	1	69	66	67
2022	6.18%	5	1	64	10	2	66	62	64
2023	5.71%	4	1	62	12	3	62	59	61
2024	5.29%	4	1	59	15	3	59	56	58
2025	4.89%	4	0	57	17	4	56	53	55
2026	4.52%	3	0	55	20	4	53	50	52
2027	4.46%	3	0	52	22	5	50	47	49
2028	4.46%	3	0	50	25	5	47	45	46
2029	4.46%	3	0	47	27	5	45	42	43
2030	4.46%	3	0	45	30	6	42	39	40
2031	4.46%	3	0	42	32	6	39	36	38
2032	4.46%	3	0	40	35	6	36	33	35
2033	4.46%	3	0	37	37	7	33	31	32
2034	4.46%	3	0	35	40	7	31	28	29
2035	4.46%	3	0	32	42	7	28	25	26
2036	4.46%	3	0	30	45	8	25	22	23
2037	4.46%	3	0	27	47	8	22	19	21
2038	4.46%	3	0	25	50	8	19	16	18
2039	2.23%	2	(0)	22	52	8	16	14	15
2040	0.00%	0	(1)	20	55	7	14	13	13
2041	0.00%	0	(1)	17	57	6	13	11	12
2042	0.00%	0	(1)	15	59	5	11	9	10
2043	0.00%	0	(1)	12	62	5	9	8	9
2044	0.00%	0	(1)	10	64	4	8	6	7
2045	0.00%	0	(1)	7	67	3	6	5	6
2046	0.00%	0	(1)	5	69	2	5	3	4
2047	0.00%	0	(1)	2	72	1	3	2	2
2048	0.00%	0	(1)	0	74	0	2	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kWh EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ████████████████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	15	20	14
2020	13	5	1	27	34	12
2021	12	6	1	28	34	12
2022	12	6	1	28	34	12
2023	11	6	1	30	35	13
2024	11	6	1	31	37	12
2025	11	6	1	32	37	12
2026	10	6	1	32	36	13
2027	10	6	1	33	38	12
2028	9	7	1	35	38	13
2029	9	7	1	36	40	12
2030	9	7	1	37	40	13
2031	8	7	1	38	42	12
2032	8	7	1	40	43	13
2033	7	7	1	42	45	12
2034	7	8	1	43	46	12
2035	7	8	1	45	47	13
2036	6	8	1	46	49	13
2037	6	8	1	48	51	12
2038	5	8	1	50	53	12
2039	5	9	1	52	54	13
2040	5	9	1	54	56	12
2041	4	9	1	56	58	13
2042	4	9	1	58	60	13
2043	4	10	1	60	62	13
2044	4	10	1	63	65	12
2045	4	10	1	65	67	13
2046	3	10	1	67	69	13
2047	3	11	1	69	71	13
2048	3	11	1	73	74	13
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	223	233	20	1,334	1,433	377
NPV	82	60	5	320	357	111

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	20	0
2015	2	0	2	0	0	0	43	0
2016	2	0	2	0	0	0	69	0
2017	2	0	2	0	0	0	58	0
2018	2	0	2	0	0	0	76	0
2019	2	0	2	0	0	0	108	0
2020	2	0	2	0	0	0	99	0
2021	2	0	2	0	0	0	93	0
2022	2	0	2	0	0	0	86	0
2023	1	0	2	0	0	0	86	0
2024	1	0	2	0	0	0	76	0
2025	1	0	2	0	0	0	96	0
2026	1	0	2	0	0	0	90	0
2027	1	0	2	0	0	0	84	0
2028	1	0	2	0	0	0	96	0
2029	1	0	2	0	0	0	74	0
2030	1	0	1	0	0	0	87	0
2031	1	0	1	0	0	0	91	0
2032	1	0	1	0	0	0	65	0
2033	1	0	1	0	0	0	94	0
2034	1	0	1	0	0	0	68	0
2035	1	0	1	0	0	0	60	0
2036	1	0	1	0	0	0	71	0
2037	1	1	1	0	0	0	73	0
2038	1	1	1	0	0	0	69	0
2039	1	1	1	0	0	0	65	0
2040	1	1	1	0	0	0	65	0
2041	1	1	1	0	0	0	69	0
2042	1	1	1	0	0	0	78	0
2043	1	1	1	0	0	0	75	0
2044	1	1	1	0	0	0	81	0
2045	1	1	1	0	0	0	77	0
2046	1	1	1	0	0	0	68	0
2047	1	1	1	0	0	0	71	0
2048	1	1	1	0	0	0	86	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	39	15	54	5	8	12	2,664	0
NPV	17	5	22	2	2	5	970	0

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



AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME [REDACTED] A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	1	0	1
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	3	3	3	0	2
2023	4	5	4	0	3
2024	4	6	4	0	3
2025	5	6	5	0	3
2026	5	6	5	0	4
2027	5	7	6	0	4
2028	6	8	6	0	4
2029	6	8	7	0	5
2030	7	9	8	0	5
2031	8	10	8	0	6
2032	9	11	9	0	6
2033	10	12	10	0	7
2034	10	14	11	0	8
2035	11	15	12	0	8
2036	12	16	13	0	9
2037	13	17	14	0	10
2038	14	19	15	0	10
2039	15	20	16	0	11
2040	17	22	17	0	12
2041	18	24	19	0	13
2042	19	25	20	0	14
2043	21	27	22	0	15
2044	22	29	23	0	16
2045	24	31	25	0	18
2046	26	34	27	0	19
2047	27	36	28	0	20
2048	29	38	30	0	21
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	351	460	367	0	258
NPV	63	82	66	0	47

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXX

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	372	0	372	0	0	20	0	20	(352)	(352)
2015	0	0	0	0	0	0	3	43	1	46	46	(310)
2016	0	0	0	0	0	0	3	69	0	72	72	(248)
2017	0	0	0	0	0	0	3	58	0	60	60	(199)
2018	0	0	0	0	0	0	3	76	0	79	79	(140)
2019	0	0	0	0	0	14	2	108	0	124	124	(54)
2020	0	0	0	0	0	12	2	99	0	114	114	20
2021	0	0	0	0	0	12	2	93	0	106	106	84
2022	0	0	0	0	0	12	2	86	2	102	102	141
2023	0	0	0	0	0	13	2	86	3	104	104	195
2024	0	0	0	0	0	12	2	76	3	94	94	240
2025	0	0	0	0	0	12	2	96	3	114	114	292
2026	0	0	0	0	0	13	2	90	4	108	108	337
2027	0	0	0	0	0	12	2	84	4	103	103	377
2028	0	0	0	0	0	13	2	96	4	116	116	418
2029	0	0	0	0	0	12	2	74	5	93	93	450
2030	0	0	0	0	0	13	2	87	5	107	107	483
2031	0	0	566	0	566	12	2	91	6	111	(455)	351
2032	0	0	0	0	0	13	2	65	6	86	86	374
2033	0	0	0	0	0	12	2	94	7	115	115	403
2034	0	0	0	0	0	12	2	68	8	90	90	424
2035	0	0	0	0	0	13	2	60	8	82	82	442
2036	0	0	0	0	0	13	2	71	9	94	94	461
2037	0	0	0	0	0	12	2	73	10	97	97	479
2038	0	0	0	0	0	12	2	69	10	94	94	496
2039	0	0	0	0	0	13	2	65	11	90	90	510
2040	0	0	0	0	0	12	2	65	12	91	91	524
2041	0	0	0	0	0	13	2	69	13	96	96	538
2042	0	0	0	0	0	13	2	78	14	107	107	552
2043	0	0	0	0	0	13	2	75	15	104	104	564
2044	0	0	0	0	0	12	2	81	16	111	111	577
2045	0	0	0	0	0	13	2	77	18	108	108	588
2046	0	0	0	0	0	13	2	68	19	101	101	598
2047	0	0	0	0	0	13	2	71	20	105	105	608
2048	0	1	861	0	861	13	2	86	21	122	(739)	545
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	1,798	0	1,799	377	66	2,664	258	3,366	1,567	
NPV	0	0	609	0	609	111	27	970	47	1,155	545	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)): 1.89

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME ██████████

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(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	19	0	13	0	31	372	0	0	372	(340)	(340)
2015	35	0	0	0	35	0	0	0	0	35	(307)
2016	36	0	0	0	36	0	0	0	0	36	(276)
2017	37	0	0	0	37	0	0	0	0	37	(246)
2018	41	0	0	0	41	0	0	0	0	41	(216)
2019	44	0	0	0	44	0	0	0	0	44	(185)
2020	45	0	0	0	45	0	0	0	0	45	(156)
2021	46	0	0	0	46	0	0	0	0	46	(129)
2022	47	0	0	0	47	0	0	0	0	47	(102)
2023	48	0	0	0	48	0	0	0	0	48	(77)
2024	49	0	0	0	49	0	0	0	0	49	(53)
2025	50	0	0	0	50	0	0	0	0	50	(31)
2026	51	0	0	0	51	0	0	0	0	51	(10)
2027	52	0	0	0	52	0	0	0	0	52	11
2028	53	0	0	0	53	0	0	0	0	53	30
2029	55	0	0	0	55	0	0	0	0	55	49
2030	56	0	0	0	56	0	0	0	0	56	66
2031	58	0	13	0	70	566	0	0	566	(495)	(78)
2032	61	0	0	0	61	0	0	0	0	61	(61)
2033	65	0	0	0	65	0	0	0	0	65	(45)
2034	68	0	0	0	68	0	0	0	0	68	(29)
2035	70	0	0	0	70	0	0	0	0	70	(14)
2036	75	0	0	0	75	0	0	0	0	75	1
2037	77	0	0	0	77	0	0	0	0	77	16
2038	80	0	0	0	80	0	0	0	0	80	30
2039	83	0	0	0	83	0	0	0	0	83	43
2040	86	0	0	0	86	0	0	0	0	86	56
2041	89	0	0	0	89	0	0	0	0	89	69
2042	93	0	0	0	93	0	0	0	0	93	81
2043	98	0	0	0	98	0	0	0	0	98	93
2044	103	0	0	0	103	0	0	0	0	103	104
2045	107	0	0	0	107	0	0	0	0	107	116
2046	112	0	0	0	112	0	0	0	0	112	127
2047	117	0	0	0	117	0	0	0	0	117	137
2048	123	0	13	0	135	861	0	0	861	(725)	76
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	2,330	0	38	0	2,368	1,798	0	0	1,798	570	
NPV	668	0	17	0	685	609	0	0	609	76	

In Service of Gen Unit: 2019  
Discount Rate : 7.54 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.12

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	13	16	0	29	20	0	0	0	20	(9)	(9)
2015	0	0	0	31	0	31	43	3	0	1	46	15	4
2016	0	0	0	32	0	32	69	3	0	0	72	40	39
2017	0	0	0	33	0	33	58	3	0	0	60	28	61
2018	0	0	0	35	0	35	76	3	0	0	79	43	94
2019	0	0	0	38	0	38	122	2	0	0	124	86	154
2020	0	0	0	39	0	39	111	2	0	0	114	75	202
2021	0	0	0	40	0	40	104	2	0	0	106	67	242
2022	0	0	0	41	0	41	98	2	0	2	102	61	276
2023	0	0	0	42	0	42	99	2	0	3	104	62	308
2024	0	0	0	43	0	43	88	2	0	3	94	51	333
2025	0	0	0	43	0	43	108	2	0	3	114	70	364
2026	0	0	0	44	0	44	103	2	0	4	108	64	391
2027	0	0	0	45	0	45	96	2	0	4	103	57	414
2028	0	0	0	46	0	46	109	2	0	4	116	69	439
2029	0	0	0	47	0	47	86	2	0	5	93	46	454
2030	0	0	0	49	0	49	100	2	0	5	107	59	472
2031	0	0	13	50	0	63	103	2	0	6	111	48	486
2032	0	0	0	52	0	52	78	2	0	6	86	34	496
2033	0	0	0	56	0	56	106	2	0	7	115	59	510
2034	0	0	0	58	0	58	81	2	0	8	90	32	518
2035	0	0	0	60	0	60	72	2	0	8	82	22	523
2036	0	0	0	64	0	64	83	2	0	9	94	30	529
2037	0	0	0	66	0	66	86	2	0	10	97	31	535
2038	0	0	0	69	0	69	81	2	0	10	94	25	539
2039	0	0	0	71	0	71	77	2	0	11	90	19	542
2040	0	0	0	73	0	73	77	2	0	12	91	18	545
2041	0	0	0	76	0	76	82	2	0	13	96	20	548
2042	0	0	0	79	0	79	91	2	0	14	107	28	551
2043	0	0	0	84	0	84	87	2	0	15	104	21	554
2044	0	0	0	87	0	87	93	2	0	16	111	24	557
2045	0	0	0	91	0	91	89	2	0	18	108	17	558
2046	0	0	0	95	0	95	81	2	0	19	101	6	559
2047	0	0	0	100	0	100	84	2	0	20	105	6	559
2048	0	1	13	104	0	117	99	2	0	21	122	5	560
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	38	1,999	0	2,038	3,042	66	0	258	3,366	1,328	
NPV	0	0	17	577	0	595	1,081	27	0	47	1,155	560	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.94

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	58.16 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	76.47556 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	148,105.97 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D .....	1.55920

**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 .....	7.54 %
• (11) UTILITY AFUDC RATE .....	6.50 %
• (12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
• (13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
• (14) UTILITY REBATE/INCENTIVE 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

**IV. AVOIDED GENERATOR AND T&D COSTS**

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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 .....	*** %



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

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(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	72	1	0	4	3	1	0	2	0	13	13	71
2020	69	1	0	4	2	1	0	2	1	12	11	72
2021	66	1	0	4	2	1	0	2	1	12	10	74
2022	62	1	0	4	2	1	0	2	1	11	9	76
2023	59	1	0	4	2	1	0	2	1	11	8	78
2024	56	1	0	4	2	1	0	2	1	10	7	80
2025	53	1	0	3	2	1	0	2	0	10	6	82
2026	51	1	0	3	2	1	0	2	0	10	6	84
2027	48	1	0	3	2	1	0	2	0	9	5	86
2028	45	1	0	3	2	1	0	2	0	9	5	88
2029	42	1	0	3	1	1	0	2	0	9	4	91
2030	40	1	0	2	1	1	0	2	0	8	4	93
2031	37	1	0	2	1	1	0	2	0	8	3	95
2032	34	1	0	2	1	1	0	2	0	7	3	97
2033	32	1	0	2	1	1	0	2	0	7	3	100
2034	29	1	0	2	1	1	0	2	0	7	2	102
2035	26	1	0	2	1	1	0	2	0	6	2	105
2036	24	0	0	1	1	1	0	2	0	6	2	108
2037	21	0	0	1	1	0	0	2	0	6	1	110
2038	18	0	0	1	0	0	0	2	0	5	1	113
2039	16	0	0	1	1	0	0	2	(0)	5	1	116
2040	13	0	0	1	1	0	0	2	(1)	4	1	119
2041	12	0	0	1	1	0	0	2	(1)	4	1	122
2042	10	0	0	1	1	0	0	2	(1)	4	1	125
2043	9	0	0	1	1	0	0	2	(1)	4	1	128
2044	7	0	0	0	1	0	0	2	(1)	4	1	131
2045	6	0	0	0	1	0	0	2	(1)	3	1	134
2046	4	0	0	0	1	0	0	2	(1)	3	0	138
2047	3	0	0	0	1	0	0	2	(1)	3	0	141
2048	1	0	0	0	1	(0)	0	2	(1)	3	0	145

IN SERVICE COST (\$000)	71
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	4	1	4	0	0	0	1	0
2021	6.68%	5	12	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	4	17	2	9	2	9	1	4	0	0	0	1	2
2023	5.71%	4	21	2	12	2	11	1	4	0	0	0	1	3
2024	5.29%	4	24	2	14	2	13	1	4	0	0	0	1	3
2025	4.89%	3	28	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	31	2	19	2	18	0	4	0	0	0	0	4
2027	4.46%	3	34	2	21	2	20	0	4	0	0	0	0	4
2028	4.46%	3	37	2	24	2	22	0	4	0	0	0	0	5
2029	4.46%	3	40	2	26	2	25	0	4	0	0	0	0	5
2030	4.46%	3	43	2	28	2	27	0	4	0	0	0	0	5
2031	4.46%	3	46	2	31	2	29	0	4	0	0	0	0	6
2032	4.46%	3	49	2	33	2	31	0	4	0	0	0	0	6
2033	4.46%	3	53	2	35	2	34	0	4	0	0	0	0	6
2034	4.46%	3	56	2	38	2	36	0	4	0	0	0	0	7
2035	4.46%	3	59	2	40	2	38	0	4	0	0	0	0	7
2036	4.46%	3	62	2	42	2	40	0	4	0	0	0	0	7
2037	4.46%	3	65	2	45	2	42	0	4	0	0	0	0	8
2038	4.46%	3	68	2	47	2	45	0	4	0	0	0	0	8
2039	2.23%	2	70	2	50	2	47	(0)	4	0	0	0	(0)	8
2040	0.00%	0	70	2	52	2	49	(1)	4	0	0	0	(1)	7
2041	0.00%	0	70	2	54	2	51	(1)	4	0	0	0	(1)	6
2042	0.00%	0	70	2	57	2	54	(1)	4	0	0	0	(1)	5
2043	0.00%	0	70	2	59	2	56	(1)	4	0	0	0	(1)	4
2044	0.00%	0	70	2	61	2	58	(1)	4	0	0	0	(1)	3
2045	0.00%	0	70	2	64	2	60	(1)	4	0	0	0	(1)	3
2046	0.00%	0	70	2	66	2	63	(1)	4	0	0	0	(1)	2
2047	0.00%	0	70	2	68	2	65	(1)	4	0	0	0	(1)	1
2048	0.00%	0	70	2	71	2	67	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	68	2	(1)	72	69	70
2020	7.22%	5	1	66	5	0	69	66	67
2021	6.68%	5	1	64	7	1	66	62	64
2022	6.18%	4	1	61	9	2	62	59	61
2023	5.71%	4	1	59	12	3	59	56	58
2024	5.29%	4	1	57	14	3	56	53	55
2025	4.89%	3	0	54	17	4	53	51	52
2026	4.52%	3	0	52	19	4	51	48	49
2027	4.46%	3	0	50	21	4	48	45	47
2028	4.46%	3	0	47	24	5	45	42	44
2029	4.46%	3	0	45	26	5	42	40	41
2030	4.46%	3	0	42	28	5	40	37	38
2031	4.46%	3	0	40	31	6	37	34	36
2032	4.46%	3	0	38	33	6	34	32	33
2033	4.46%	3	0	35	35	6	32	29	30
2034	4.46%	3	0	33	38	7	29	26	28
2035	4.46%	3	0	31	40	7	26	24	25
2036	4.46%	3	0	28	42	7	24	21	22
2037	4.46%	3	0	26	45	8	21	18	20
2038	4.46%	3	0	24	47	8	18	16	17
2039	2.23%	2	(0)	21	50	8	16	13	15
2040	0.00%	0	(1)	19	52	7	13	12	13
2041	0.00%	0	(1)	17	54	6	12	10	11
2042	0.00%	0	(1)	14	57	5	10	9	10
2043	0.00%	0	(1)	12	59	4	9	7	8
2044	0.00%	0	(1)	9	61	3	7	6	7
2045	0.00%	0	(1)	7	64	3	6	4	5
2046	0.00%	0	(1)	5	66	2	4	3	4
2047	0.00%	0	(1)	2	68	1	3	1	2
2048	0.00%	0	(1)	(0)	71	0	1	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM KW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ██

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	14	19	13
2020	12	5	0	26	32	11
2021	12	5	0	26	33	11
2022	11	5	1	27	32	12
2023	11	6	1	28	33	12
2024	10	6	1	30	35	12
2025	10	6	1	31	35	12
2026	10	6	1	31	34	12
2027	9	6	1	32	36	12
2028	9	6	1	33	36	13
2029	9	6	1	34	38	12
2030	8	7	1	35	38	12
2031	8	7	1	36	40	12
2032	7	7	1	38	41	12
2033	7	7	1	40	43	12
2034	7	7	1	41	44	12
2035	6	7	1	43	45	12
2036	6	8	1	44	46	12
2037	6	8	1	46	48	12
2038	5	8	1	48	50	12
2039	5	8	1	50	51	12
2040	4	8	1	51	53	12
2041	4	9	1	53	55	12
2042	4	9	1	55	57	12
2043	4	9	1	57	59	12
2044	4	9	1	60	62	12
2045	3	10	1	62	64	12
2046	3	10	1	64	66	12
2047	3	10	1	66	68	12
2048	3	10	1	69	71	12
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	212	222	19	1,269	1,363	359
NPV	78	57	5	304	339	105

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	6	0
2015	2	0	2	0	0	0	14	0
2016	2	0	2	0	0	0	20	0
2017	2	0	2	0	0	0	17	0
2018	2	0	2	0	0	0	19	0
2019	2	0	2	0	0	0	28	0
2020	2	0	2	0	0	0	33	0
2021	2	0	2	0	0	0	31	0
2022	1	0	2	0	0	0	27	0
2023	1	0	2	0	0	0	24	0
2024	1	0	2	0	0	0	23	0
2025	1	0	2	0	0	0	30	0
2026	1	0	2	0	0	0	32	0
2027	1	0	2	0	0	0	28	0
2028	1	0	2	0	0	0	29	0
2029	1	0	1	0	0	0	21	0
2030	1	0	1	0	0	0	24	0
2031	1	0	1	0	0	0	28	0
2032	1	0	1	0	0	0	26	0
2033	1	0	1	0	0	0	26	0
2034	1	0	1	0	0	0	21	0
2035	1	0	1	0	0	0	19	0
2036	1	0	1	0	0	0	29	0
2037	1	0	1	0	0	0	30	0
2038	1	0	1	0	0	0	27	0
2039	1	1	1	0	0	0	22	0
2040	1	1	1	0	0	0	23	0
2041	1	1	1	0	0	0	25	0
2042	1	1	1	0	0	0	30	0
2043	1	1	1	0	0	0	27	0
2044	1	1	1	0	0	0	30	0
2045	1	1	1	0	0	0	27	0
2046	1	1	1	0	0	0	21	0
2047	1	1	1	0	0	0	22	0
2048	1	1	1	0	0	0	31	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	37	15	51	4	7	12	871	0
NPV	17	4	21	2	2	4	303	0

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

AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ████████████████████████████████ A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	3	1	0	0
2023	4	5	1	0	(0)
2024	4	5	1	0	0
2025	4	6	1	0	0
2026	5	6	2	0	0
2027	5	7	2	0	0
2028	6	7	2	0	0
2029	6	8	2	0	0
2030	7	9	2	0	0
2031	7	10	2	0	0
2032	8	11	3	0	0
2033	9	12	3	0	0
2034	10	13	3	0	0
2035	11	14	3	0	0
2036	12	15	4	0	0
2037	13	16	4	0	0
2038	14	18	4	0	0
2039	15	19	5	0	0
2040	16	21	5	0	0
2041	17	22	6	0	0
2042	18	24	6	0	0
2043	20	26	6	0	0
2044	21	28	7	0	0
2045	23	30	7	0	0
2046	24	32	8	0	0
2047	26	34	8	0	0
2048	28	36	9	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	334	438	108	0	5
NPV	60	78	20	0	1

TOTAL RESOURCE COST TEST  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	96	0	96	0	0	6	0	6	(90)	(90)
2015	0	0	0	0	0	0	3	14	0	16	16	(75)
2016	0	0	0	0	0	0	3	20	0	23	23	(55)
2017	0	0	0	0	0	0	2	17	0	20	20	(40)
2018	0	0	0	0	0	0	2	19	0	22	22	(23)
2019	0	0	0	0	0	13	2	28	0	44	44	7
2020	0	0	0	0	0	11	2	33	0	47	47	38
2021	0	0	0	0	0	11	2	31	0	44	44	64
2022	0	0	0	0	0	12	2	27	0	41	41	87
2023	0	0	0	0	0	12	2	24	(0)	38	38	106
2024	0	0	0	0	0	12	2	23	0	37	37	124
2025	0	0	0	0	0	12	2	30	0	44	44	144
2026	0	0	0	0	0	12	2	32	0	47	47	163
2027	0	0	0	0	0	12	2	28	0	42	42	180
2028	0	0	0	0	0	13	2	29	0	43	43	195
2029	0	0	0	0	0	12	2	21	0	35	35	207
2030	0	0	0	0	0	12	2	24	0	39	39	219
2031	0	0	0	0	0	12	2	28	0	42	42	232
2032	0	0	0	0	0	12	2	26	0	39	39	242
2033	0	0	0	0	0	12	2	26	0	40	40	252
2034	0	0	157	0	158	12	2	21	0	35	(123)	224
2035	0	0	0	0	0	12	2	19	0	33	33	231
2036	0	0	0	0	0	12	2	29	0	42	42	239
2037	0	0	0	0	0	12	2	30	0	43	43	247
2038	0	0	0	0	0	12	2	27	0	40	40	254
2039	0	0	0	0	0	12	2	22	0	36	36	260
2040	0	0	0	0	0	12	2	23	0	37	37	266
2041	0	0	0	0	0	12	2	25	0	39	39	271
2042	0	0	0	0	0	12	2	30	0	44	44	277
2043	0	0	0	0	0	12	2	27	0	41	41	282
2044	0	0	0	0	0	12	2	30	0	44	44	287
2045	0	0	0	0	0	12	1	27	0	41	41	291
2046	0	0	0	0	0	12	1	21	0	35	35	295
2047	0	0	0	0	0	12	1	22	0	36	36	298
2048	0	0	0	0	0	12	1	31	0	45	45	302
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	254	0	254	359	63	871	5	1,298	1,044	
NPV	0	0	133	0	133	105	25	303	1	435	302	

Discount Rate: 7.54 %  
 Benefit/Cost Ratio (Col(11) / Col(6)) : 3.26

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	8	0	12	0	20	96	0	0	96	(76)	(76)
2015	16	0	0	0	16	0	0	0	0	16	(60)
2016	17	0	0	0	17	0	0	0	0	17	(46)
2017	17	0	0	0	17	0	0	0	0	17	(32)
2018	18	0	0	0	18	0	0	0	0	18	(19)
2019	20	0	0	0	20	0	0	0	0	20	(5)
2020	20	0	0	0	20	0	0	0	0	20	8
2021	21	0	0	0	21	0	0	0	0	21	20
2022	21	0	0	0	21	0	0	0	0	21	32
2023	21	0	0	0	21	0	0	0	0	21	43
2024	22	0	0	0	22	0	0	0	0	22	54
2025	22	0	0	0	22	0	0	0	0	22	64
2026	22	0	0	0	22	0	0	0	0	22	73
2027	22	0	0	0	22	0	0	0	0	22	81
2028	23	0	0	0	23	0	0	0	0	23	90
2029	23	0	0	0	23	0	0	0	0	23	97
2030	23	0	0	0	23	0	0	0	0	23	105
2031	24	0	0	0	24	0	0	0	0	24	112
2032	25	0	0	0	25	0	0	0	0	25	118
2033	26	0	0	0	26	0	0	0	0	26	125
2034	27	0	12	0	39	157	0	0	157	(118)	97
2035	28	0	0	0	28	0	0	0	0	28	103
2036	29	0	0	0	29	0	0	0	0	29	109
2037	30	0	0	0	30	0	0	0	0	30	115
2038	31	0	0	0	31	0	0	0	0	31	121
2039	32	0	0	0	32	0	0	0	0	32	126
2040	33	0	0	0	33	0	0	0	0	33	131
2041	34	0	0	0	34	0	0	0	0	34	136
2042	35	0	0	0	35	0	0	0	0	35	140
2043	37	0	0	0	37	0	0	0	0	37	145
2044	38	0	0	0	38	0	0	0	0	38	149
2045	40	0	0	0	40	0	0	0	0	40	153
2046	41	0	0	0	41	0	0	0	0	41	157
2047	43	0	0	0	43	0	0	0	0	43	161
2048	44	0	0	0	44	0	0	0	0	44	165
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
NOM	936	0	24	0	960	254	0	0	254	706	
NPV	283	0	15	0	298	133	0	0	133	165	

In Service of Gen Unit:  
 Discount Rate : 2019 7.54 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) 2.24

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	12	8	0	20	6	0	0	0	6	(14)	(14)
2015	0	0	0	15	0	15	14	3	0	0	16	2	(13)
2016	0	0	0	15	0	15	20	3	0	0	23	8	(6)
2017	0	0	0	16	0	16	17	2	0	0	20	4	(3)
2018	0	0	0	17	0	17	19	2	0	0	22	5	1
2019	0	0	0	18	0	18	41	2	0	0	44	26	19
2020	0	0	0	18	0	18	45	2	0	0	47	29	38
2021	0	0	0	19	0	19	42	2	0	0	44	25	53
2022	0	0	0	20	0	20	38	2	0	0	41	21	65
2023	0	0	0	19	0	19	36	2	0	(0)	38	19	75
2024	0	0	0	20	0	20	35	2	0	0	37	18	83
2025	0	0	0	19	0	19	42	2	0	0	44	24	94
2026	0	0	0	20	0	20	45	2	0	0	47	27	105
2027	0	0	0	20	0	20	40	2	0	0	42	22	114
2028	0	0	0	20	0	20	41	2	0	0	43	23	122
2029	0	0	0	21	0	21	33	2	0	0	35	15	127
2030	0	0	0	21	0	21	37	2	0	0	39	18	133
2031	0	0	0	21	0	21	40	2	0	0	42	20	139
2032	0	0	0	22	0	22	38	2	0	0	39	17	143
2033	0	0	0	24	0	24	38	2	0	0	40	16	147
2034	0	0	12	24	0	37	33	2	0	0	35	(2)	147
2035	0	0	0	25	0	25	31	2	0	0	33	8	149
2036	0	0	0	26	0	26	41	2	0	0	42	16	152
2037	0	0	0	27	0	27	41	2	0	0	43	16	155
2038	0	0	0	28	0	28	38	2	0	0	40	13	157
2039	0	0	0	28	0	28	34	2	0	0	36	8	159
2040	0	0	0	29	0	29	35	2	0	0	37	7	160
2041	0	0	0	30	0	30	37	2	0	0	39	9	161
2042	0	0	0	31	0	31	42	2	0	0	44	13	163
2043	0	0	0	32	0	32	39	2	0	0	41	9	164
2044	0	0	0	33	0	33	42	2	0	0	44	10	165
2045	0	0	0	35	0	35	39	1	0	0	41	6	165
2046	0	0	0	36	0	36	34	1	0	0	35	(1)	165
2047	0	0	0	37	0	37	34	1	0	0	36	(1)	165
2048	0	0	0	39	0	39	43	1	0	0	45	6	166
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	24	831	0	856	1,230	63	0	5	1,298	442	
NPV	0	0	15	254	0	269	408	25	0	1	435	166	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.62



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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	19.30 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	25.38359 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	88,076.06 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (in-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (in-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	24	0	0	1	1	0	1	0	4	4	4	23
2020	23	0	0	1	1	0	1	0	4	4	8	24
2021	22	0	0	1	1	0	1	0	4	3	11	25
2022	21	0	0	1	1	0	1	0	4	3	14	25
2023	20	0	0	1	1	0	1	0	4	3	17	26
2024	19	0	0	1	1	0	1	0	3	2	19	27
2025	18	0	0	1	1	0	1	0	3	2	21	27
2026	17	0	0	1	1	0	1	0	3	2	23	28
2027	16	0	0	1	1	0	1	0	3	2	25	29
2028	15	0	0	1	1	0	1	0	3	2	27	29
2029	14	0	0	1	0	0	1	0	3	1	28	30
2030	13	0	0	1	0	0	1	0	3	1	29	31
2031	12	0	0	1	0	0	1	0	3	1	30	32
2032	11	0	0	1	0	0	1	0	2	1	31	32
2033	11	0	0	1	0	0	1	0	2	1	32	33
2034	10	0	0	1	0	0	1	0	2	1	33	34
2035	9	0	0	1	0	0	1	0	2	1	33	35
2036	8	0	0	0	0	0	1	0	2	1	34	36
2037	7	0	0	0	0	0	1	0	2	0	35	37
2038	6	0	0	0	0	0	1	0	2	0	35	37
2039	5	0	0	0	0	0	1	(0)	2	0	35	38
2040	4	0	0	0	0	0	1	(0)	1	0	36	39
2041	4	0	0	0	0	0	1	(0)	1	0	36	40
2042	3	0	0	0	0	0	1	(0)	1	0	36	41
2043	3	0	0	0	0	0	1	(0)	1	0	36	42
2044	2	0	0	0	0	0	1	(0)	1	0	37	43
2045	2	0	0	0	0	0	1	(0)	1	0	37	45
2046	1	0	0	0	0	0	1	(0)	1	0	37	46
2047	1	0	0	0	0	0	1	(0)	1	0	37	47
2048	0	0	0	0	0	0	1	(0)	1	0	37	48

IN SERVICE COST (\$000)	23
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	0
2020	7.22%	2	3	1	2	1	1	0	1	0	0	0	0	0
2021	6.68%	2	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	7	1	4	1	4	0	1	0	0	0	0	1
2024	5.29%	1	8	1	5	1	4	0	1	0	0	0	0	1
2025	4.89%	1	9	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	10	1	6	1	6	0	1	0	0	0	0	1
2027	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2028	4.46%	1	12	1	8	1	7	0	1	0	0	0	0	2
2029	4.46%	1	13	1	9	1	8	0	1	0	0	0	0	2
2030	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2031	4.46%	1	15	1	10	1	10	0	1	0	0	0	0	2
2032	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2033	4.46%	1	17	1	12	1	11	0	1	0	0	0	0	2
2034	4.46%	1	18	1	12	1	12	0	1	0	0	0	0	2
2035	4.46%	1	19	1	13	1	13	0	1	0	0	0	0	2
2036	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2037	4.46%	1	22	1	15	1	14	0	1	0	0	0	0	3
2038	4.46%	1	23	1	16	1	15	0	1	0	0	0	0	3
2039	2.23%	1	23	1	16	1	16	(0)	1	0	0	0	(0)	3
2040	0.00%	0	23	1	17	1	16	(0)	1	0	0	0	(0)	2
2041	0.00%	0	23	1	18	1	17	(0)	1	0	0	0	(0)	2
2042	0.00%	0	23	1	19	1	18	(0)	1	0	0	0	(0)	1
2043	0.00%	0	23	1	20	1	19	(0)	1	0	0	0	(0)	1
2044	0.00%	0	23	1	20	1	19	(0)	1	0	0	0	(0)	1
2045	0.00%	0	23	1	21	1	20	(0)	1	0	0	0	(0)	1
2046	0.00%	0	23	1	22	1	21	(0)	1	0	0	0	(0)	1
2047	0.00%	0	23	1	23	1	21	(0)	1	0	0	0	(0)	0
2048	0.00%	0	23	1	23	1	22	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	1	0	23	1	(0)	24	23	23
2020	7.22%	2	0	22	2	0	23	22	22
2021	6.68%	2	0	21	2	0	22	21	21
2022	6.18%	1	0	20	3	1	21	20	20
2023	5.71%	1	0	20	4	1	20	19	19
2024	5.29%	1	0	19	5	1	19	18	18
2025	4.89%	1	0	18	5	1	18	17	17
2026	4.52%	1	0	17	6	1	17	16	16
2027	4.46%	1	0	16	7	1	16	15	15
2028	4.46%	1	0	16	8	2	15	14	15
2029	4.46%	1	0	15	9	2	14	13	14
2030	4.46%	1	0	14	9	2	13	12	13
2031	4.46%	1	0	13	10	2	12	11	12
2032	4.46%	1	0	12	11	2	11	11	11
2033	4.46%	1	0	12	12	2	11	10	10
2034	4.46%	1	0	11	12	2	10	9	9
2035	4.46%	1	0	10	13	2	9	8	8
2036	4.46%	1	0	9	14	2	8	7	7
2037	4.46%	1	0	9	15	3	7	6	6
2038	4.46%	1	0	8	16	3	6	5	6
2039	2.23%	1	(0)	7	16	3	5	4	5
2040	0.00%	0	(0)	6	17	2	4	4	4
2041	0.00%	0	(0)	5	18	2	4	3	4
2042	0.00%	0	(0)	5	19	2	3	3	3
2043	0.00%	0	(0)	4	20	1	3	2	3
2044	0.00%	0	(0)	3	20	1	2	2	2
2045	0.00%	0	(0)	2	21	1	2	1	2
2046	0.00%	0	(0)	2	22	1	1	1	1
2047	0.00%	0	(0)	1	23	0	1	0	1
2048	0.00%	0	(0)	0	23	0	0	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME [REDACTED] A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ████████████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	2	0	5	6	4
2020	4	2	0	9	11	4
2021	4	2	0	9	11	4
2022	4	2	0	9	11	4
2023	4	2	0	9	11	4
2024	3	2	0	10	12	4
2025	3	2	0	10	12	4
2026	3	2	0	10	11	4
2027	3	2	0	10	12	4
2028	3	2	0	11	12	4
2029	3	2	0	11	13	4
2030	3	2	0	12	13	4
2031	3	2	0	12	13	4
2032	2	2	0	13	13	4
2033	2	2	0	13	14	4
2034	2	2	0	14	15	4
2035	2	2	0	14	15	4
2036	2	3	0	15	15	4
2037	2	3	0	15	16	4
2038	2	3	0	16	17	4
2039	2	3	0	16	17	4
2040	1	3	0	17	18	4
2041	1	3	0	18	18	4
2042	1	3	0	18	19	4
2043	1	3	0	19	20	4
2044	1	3	0	20	20	4
2045	1	3	0	21	21	4
2046	1	3	0	21	22	4
2047	1	3	0	22	22	4
2048	1	3	0	23	23	4
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	70	74	6	421	453	119
NPV	26	19	2	101	113	35

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX

**A**

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	4	0
2016	1	0	1	0	0	0	13	0
2017	1	0	1	0	0	0	10	0
2018	1	0	1	0	0	0	13	0
2019	1	0	1	0	0	0	17	0
2020	1	0	1	0	0	0	16	0
2021	1	0	1	0	0	0	15	0
2022	1	0	1	0	0	0	15	0
2023	1	0	1	0	0	0	16	0
2024	0	0	1	0	0	0	13	0
2025	0	0	1	0	0	0	16	0
2026	0	0	1	0	0	0	13	0
2027	0	0	1	0	0	0	15	0
2028	0	0	1	0	0	0	14	0
2029	0	0	1	0	0	0	13	0
2030	0	0	0	0	0	0	12	0
2031	0	0	0	0	0	0	14	0
2032	0	0	0	0	0	0	10	0
2033	0	0	0	0	0	0	14	0
2034	0	0	0	0	0	0	10	0
2035	0	0	0	0	0	0	9	0
2036	0	0	0	0	0	0	11	0
2037	0	0	0	0	0	0	11	0
2038	0	0	0	0	0	0	11	0
2039	0	0	0	0	0	0	10	0
2040	0	0	0	0	0	0	11	0
2041	0	0	0	0	0	0	11	0
2042	0	0	0	0	0	0	12	0
2043	0	0	0	0	0	0	12	0
2044	0	0	0	0	0	0	13	0
2045	0	0	0	0	0	0	13	0
2046	0	0	0	0	0	0	12	0
2047	0	0	0	0	0	0	12	0
2048	0	0	0	0	0	0	14	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	12	5	17	2	2	4	425	0
NPV	5	1	7	1	1	1	153	0

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



AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	1	1	0	0	0
2023	1	2	1	0	0
2024	1	2	1	0	0
2025	1	2	1	0	0
2026	2	2	1	0	0
2027	2	2	1	0	0
2028	2	2	1	0	1
2029	2	3	1	0	1
2030	2	3	1	0	1
2031	2	3	1	0	1
2032	3	4	2	0	1
2033	3	4	2	0	1
2034	3	4	2	0	1
2035	4	5	2	0	1
2036	4	5	2	0	1
2037	4	5	2	0	1
2038	5	6	3	0	1
2039	5	6	3	0	1
2040	5	7	3	0	1
2041	6	7	3	0	2
2042	6	8	4	0	2
2043	7	9	4	0	2
2044	7	9	4	0	2
2045	8	10	4	0	2
2046	8	11	5	0	2
2047	9	11	5	0	2
2048	9	12	5	0	2
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	111	145	64	0	30
NPV	20	26	12	0	5

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	42	0	42	0	0	4	0	4	(39)	(36)
2016	0	0	0	0	0	0	1	13	0	14	14	(24)
2017	0	0	0	0	0	0	1	10	0	11	11	(15)
2018	0	0	0	0	0	0	1	13	0	14	14	(5)
2019	0	0	0	0	0	4	1	17	0	22	22	11
2020	0	0	0	0	0	4	1	16	0	21	21	24
2021	0	0	0	0	0	4	1	15	0	19	19	36
2022	0	0	50	0	50	4	1	15	0	20	(30)	19
2023	0	0	0	0	0	4	1	16	0	21	21	30
2024	0	0	0	0	0	4	1	13	0	18	18	38
2025	0	0	0	0	0	4	1	16	0	21	21	48
2026	0	0	0	0	0	4	1	13	0	18	18	56
2027	0	0	0	0	0	4	1	15	0	20	20	63
2028	0	0	0	0	0	4	1	14	1	19	19	70
2029	0	0	59	0	60	4	1	13	1	18	(42)	56
2030	0	0	0	0	0	4	1	12	1	18	18	62
2031	0	0	0	0	0	4	1	14	1	19	19	67
2032	0	0	0	0	0	4	1	10	1	15	15	71
2033	0	0	0	0	0	4	1	14	1	19	19	76
2034	0	0	0	0	0	4	1	10	1	16	16	80
2035	0	0	0	0	0	4	1	9	1	15	15	83
2036	0	0	70	0	71	4	1	11	1	16	(54)	72
2037	0	0	0	0	0	4	1	11	1	17	17	75
2038	0	0	0	0	0	4	1	11	1	17	17	78
2039	0	0	0	0	0	4	1	10	1	16	16	81
2040	0	0	0	0	0	4	1	11	1	16	16	83
2041	0	0	0	0	0	4	1	11	2	17	17	86
2042	0	0	0	0	0	4	1	12	2	19	19	88
2043	0	0	84	0	84	4	1	12	2	18	(66)	80
2044	0	0	0	0	0	4	1	13	2	19	19	82
2045	0	0	0	0	0	4	1	13	2	19	19	84
2046	0	0	0	0	0	4	0	12	2	18	18	86
2047	0	0	0	0	0	4	0	12	2	19	19	88
2048	0	0	0	0	0	4	0	14	2	21	21	90
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	305	0	307	119	21	425	30	595	288	
NPV	0	1	112	0	112	35	8	153	5	202	90	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.80

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	5	0	4	0	9	42	0	0	42	(33)	(31)
2016	9	0	0	0	9	0	0	0	0	9	(23)
2017	10	0	0	0	10	0	0	0	0	10	(15)
2018	10	0	0	0	10	0	0	0	0	10	(7)
2019	11	0	0	0	11	0	0	0	0	11	1
2020	11	0	0	0	11	0	0	0	0	11	8
2021	12	0	0	0	12	0	0	0	0	12	15
2022	12	0	4	0	16	50	0	0	50	(34)	(4)
2023	12	0	0	0	12	0	0	0	0	12	3
2024	13	0	0	0	13	0	0	0	0	13	9
2025	13	0	0	0	13	0	0	0	0	13	15
2026	13	0	0	0	13	0	0	0	0	13	20
2027	13	0	0	0	13	0	0	0	0	13	25
2028	13	0	0	0	13	0	0	0	0	13	30
2029	14	0	4	0	18	59	0	0	59	(42)	16
2030	14	0	0	0	14	0	0	0	0	14	20
2031	14	0	0	0	14	0	0	0	0	14	24
2032	15	0	0	0	15	0	0	0	0	15	28
2033	16	0	0	0	16	0	0	0	0	16	32
2034	16	0	0	0	16	0	0	0	0	16	36
2035	17	0	0	0	17	0	0	0	0	17	40
2036	17	0	4	0	21	70	0	0	70	(49)	30
2037	18	0	0	0	18	0	0	0	0	18	33
2038	18	0	0	0	18	0	0	0	0	18	36
2039	19	0	0	0	19	0	0	0	0	19	39
2040	20	0	0	0	20	0	0	0	0	20	42
2041	20	0	0	0	20	0	0	0	0	20	45
2042	21	0	0	0	21	0	0	0	0	21	48
2043	22	0	4	0	26	84	0	0	84	(58)	41
2044	23	0	0	0	23	0	0	0	0	23	43
2045	23	0	0	0	23	0	0	0	0	23	46
2046	24	0	0	0	24	0	0	0	0	24	48
2047	25	0	0	0	25	0	0	0	0	25	51
2048	26	0	0	0	26	0	0	0	0	26	53
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
NOM	540	0	20	0	560	305	0	0	305	254	
NPV	156	0	9	0	164	112	0	0	112	53	

In Service of Gen Unit: 2019  
Discount Rate: 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.47

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXX

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	4	4	0	8	4	0	0	0	4	(4)	(4)
2016	0	0	0	8	0	8	13	1	0	0	14	6	1
2017	0	0	0	8	0	8	10	1	0	0	11	3	3
2018	0	0	0	9	0	9	13	1	0	0	14	5	7
2019	0	0	0	9	0	9	21	1	0	0	22	13	16
2020	0	0	0	9	0	9	20	1	0	0	21	11	23
2021	0	0	0	10	0	10	19	1	0	0	19	10	29
2022	0	0	4	10	0	14	19	1	0	0	20	5	32
2023	0	0	0	10	0	10	20	1	0	0	21	10	38
2024	0	0	0	11	0	11	17	1	0	0	18	8	42
2025	0	0	0	11	0	11	20	1	0	0	21	10	46
2026	0	0	0	11	0	11	17	1	0	0	18	8	49
2027	0	0	0	11	0	11	19	1	0	0	20	9	53
2028	0	0	0	11	0	11	18	1	0	1	19	8	56
2029	0	0	4	11	0	16	16	1	0	1	18	2	57
2030	0	0	0	11	0	11	17	1	0	1	18	6	59
2031	0	0	0	12	0	12	17	1	0	1	19	7	61
2032	0	0	0	12	0	12	14	1	0	1	15	3	61
2033	0	0	0	13	0	13	17	1	0	1	19	6	63
2034	0	0	0	13	0	13	14	1	0	1	16	2	63
2035	0	0	0	14	0	14	13	1	0	1	15	1	64
2036	0	0	4	14	0	19	15	1	0	1	16	(2)	63
2037	0	0	0	15	0	15	15	1	0	1	17	2	64
2038	0	0	0	15	0	15	15	1	0	1	17	1	64
2039	0	0	0	16	0	16	14	1	0	1	16	1	64
2040	0	0	0	16	0	16	15	1	0	1	16	0	64
2041	0	0	0	17	0	17	15	1	0	2	17	0	64
2042	0	0	0	17	0	17	16	1	0	2	19	1	64
2043	0	0	4	18	0	22	16	1	0	2	18	(4)	64
2044	0	0	0	19	0	19	17	1	0	2	19	0	64
2045	0	0	0	19	0	19	17	1	0	2	19	(0)	64
2046	0	0	0	20	0	20	16	0	0	2	18	(2)	64
2047	0	0	0	21	0	21	17	0	0	2	19	(2)	63
2048	0	0	0	22	0	22	18	0	0	2	21	(1)	63
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>NOM.</b>	0	1	20	448	0	469	544	21	0	30	595	125	
<b>NPV</b>	0	1	9	129	0	138	188	8	0	5	202	63	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.46

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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	22.40 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	29.45727 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	102,211.60 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

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YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	5	0	5	2	1	50	0	50	
2016	0	0	0	0	5	3	0	0	0	
2017	0	0	0	0	5	3	0	0	0	
2018	0	0	0	0	6	3	0	0	0	
2019	0	0	0	0	6	3	0	0	0	
2020	0	0	0	0	6	4	0	0	0	
2021	0	0	0	0	6	4	0	0	0	
2022	0	5	0	5	7	4	59	0	59	
2023	0	0	0	0	7	4	0	0	0	
2024	0	0	0	0	7	4	0	0	0	
2025	0	0	0	0	7	3	0	0	0	
2026	0	0	0	0	8	3	0	0	0	
2027	0	0	0	0	8	3	0	0	0	
2028	0	0	0	0	8	3	0	0	0	
2029	0	5	0	5	8	3	70	0	70	
2030	0	0	0	0	8	3	0	0	0	
2031	0	0	0	0	9	3	0	0	0	
2032	0	0	0	0	9	3	0	0	0	
2033	0	0	0	0	10	4	0	0	0	
2034	0	0	0	0	10	4	0	0	0	
2035	0	0	0	0	11	4	0	0	0	
2036	0	5	0	5	11	4	84	0	84	
2037	0	0	0	0	12	4	0	0	0	
2038	0	0	0	0	12	4	0	0	0	
2039	0	0	0	0	13	4	0	0	0	
2040	0	0	0	0	13	4	0	0	0	
2041	0	0	0	0	14	4	0	0	0	
2042	0	0	0	0	14	4	0	0	0	
2043	0	5	0	5	15	4	100	0	100	
2044	0	0	0	0	16	4	0	0	0	
2045	0	0	0	0	17	4	0	0	0	
2046	0	0	0	0	18	4	0	0	0	
2047	0	0	0	0	19	4	0	0	0	
2048	0	0	0	0	19	4	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	1	23	0	25	347	121	363	0	363	
NPV	1	10	0	10	93	40	133	0	133	

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	28	1	0	2	1	0	0	1	0	5	5	5	27
2020	27	1	0	2	1	0	0	1	0	5	4	9	28
2021	25	1	0	2	1	0	0	1	0	4	4	13	29
2022	24	0	0	2	1	0	0	1	0	4	3	16	29
2023	23	0	0	1	1	0	0	1	0	4	3	20	30
2024	22	0	0	1	1	0	0	1	0	4	3	22	31
2025	21	0	0	1	1	0	0	1	0	4	2	25	32
2026	19	0	0	1	1	0	0	1	0	4	2	27	32
2027	18	0	0	1	1	0	0	1	0	4	2	29	33
2028	17	0	0	1	1	0	0	1	0	3	2	31	34
2029	16	0	0	1	1	0	0	1	0	3	2	32	35
2030	15	0	0	1	1	0	0	1	0	3	1	34	36
2031	14	0	0	1	0	0	0	1	0	3	1	35	37
2032	13	0	0	1	0	0	0	1	0	3	1	36	37
2033	12	0	0	1	0	0	0	1	0	3	1	37	38
2034	11	0	0	1	0	0	0	1	0	3	1	38	39
2035	10	0	0	1	0	0	0	1	0	2	1	39	40
2036	9	0	0	1	0	0	0	1	0	2	1	39	41
2037	8	0	0	1	0	0	0	1	0	2	1	40	42
2038	7	0	0	0	0	0	0	1	0	2	1	41	43
2039	6	0	0	0	0	0	0	1	(0)	2	0	41	45
2040	5	0	0	0	1	0	0	1	(0)	2	0	41	46
2041	5	0	0	0	1	0	0	1	(0)	2	0	42	47
2042	4	0	0	0	1	0	0	1	(0)	2	0	42	48
2043	3	0	0	0	0	0	0	1	(0)	1	0	42	49
2044	3	0	0	0	0	0	0	1	(0)	1	0	42	50
2045	2	0	0	0	0	0	0	1	(0)	1	0	43	52
2046	2	0	0	0	0	0	0	1	(0)	1	0	43	53
2047	1	0	0	0	0	0	0	1	(0)	1	0	43	54
2048	1	0	0	0	0	0	0	1	(0)	1	0	43	56

IN SERVICE COST (\$000)	27
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	2	3	1	2	1	2	0	1	0	0	0	0	0
2021	6.68%	2	5	1	3	1	3	0	1	0	0	0	0	0
2022	6.18%	2	6	1	4	1	3	0	1	0	0	0	0	1
2023	5.71%	2	8	1	5	1	4	0	1	0	0	0	0	1
2024	5.29%	1	9	1	5	1	5	0	1	0	0	0	0	1
2025	4.89%	1	11	1	6	1	6	0	1	0	0	0	0	1
2026	4.52%	1	12	1	7	1	7	0	1	0	0	0	0	2
2027	4.46%	1	13	1	8	1	8	0	1	0	0	0	0	2
2028	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2029	4.46%	1	15	1	10	1	9	0	1	0	0	0	0	2
2030	4.46%	1	17	1	11	1	10	0	1	0	0	0	0	2
2031	4.46%	1	18	1	12	1	11	0	1	0	0	0	0	2
2032	4.46%	1	19	1	13	1	12	0	1	0	0	0	0	2
2033	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2034	4.46%	1	21	1	15	1	14	0	1	0	0	0	0	3
2035	4.46%	1	23	1	15	1	15	0	1	0	0	0	0	3
2036	4.46%	1	24	1	16	1	15	0	1	0	0	0	0	3
2037	4.46%	1	25	1	17	1	16	0	1	0	0	0	0	3
2038	4.46%	1	26	1	18	1	17	0	1	0	0	0	0	3
2039	2.23%	1	27	1	19	1	18	(0)	1	0	0	0	(0)	3
2040	0.00%	0	27	1	20	1	19	(0)	1	0	0	0	(0)	3
2041	0.00%	0	27	1	21	1	20	(0)	1	0	0	0	(0)	2
2042	0.00%	0	27	1	22	1	21	(0)	1	0	0	0	(0)	2
2043	0.00%	0	27	1	23	1	21	(0)	1	0	0	0	(0)	1
2044	0.00%	0	27	1	24	1	22	(0)	1	0	0	0	(0)	1
2045	0.00%	0	27	1	24	1	23	(0)	1	0	0	0	(0)	1
2046	0.00%	0	27	1	25	1	24	(0)	1	0	0	0	(0)	1
2047	0.00%	0	27	1	26	1	25	(0)	1	0	0	0	(0)	0
2048	0.00%	0	27	1	27	1	26	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)*	(5b)*	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	26	1	(0)	28	27	27
2020	7.22%	2	0	25	2	0	27	25	26
2021	6.68%	2	0	24	3	0	25	24	25
2022	6.18%	2	0	24	4	1	24	23	23
2023	5.71%	2	0	23	5	1	23	22	22
2024	5.29%	1	0	22	5	1	22	21	21
2025	4.89%	1	0	21	6	1	21	19	20
2026	4.52%	1	0	20	7	2	19	18	19
2027	4.46%	1	0	19	8	2	18	17	18
2028	4.46%	1	0	18	9	2	17	16	17
2029	4.46%	1	0	17	10	2	16	15	16
2030	4.46%	1	0	16	11	2	15	14	15
2031	4.46%	1	0	15	12	2	14	13	14
2032	4.46%	1	0	15	13	2	13	12	13
2033	4.46%	1	0	14	14	2	12	11	12
2034	4.46%	1	0	13	15	3	11	10	11
2035	4.46%	1	0	12	15	3	10	9	10
2036	4.46%	1	0	11	16	3	9	8	9
2037	4.46%	1	0	10	17	3	8	7	8
2038	4.46%	1	0	9	18	3	7	6	6
2039	2.23%	1	(0)	8	19	3	6	5	6
2040	0.00%	0	(0)	7	20	3	5	5	5
2041	0.00%	0	(0)	6	21	2	5	4	4
2042	0.00%	0	(0)	5	22	2	4	3	4
2043	0.00%	0	(0)	5	23	2	3	3	3
2044	0.00%	0	(0)	4	24	1	3	2	3
2045	0.00%	0	(0)	3	24	1	2	2	2
2046	0.00%	0	(0)	2	25	1	2	1	1
2047	0.00%	0	(0)	1	26	0	1	1	1
2048	0.00%	0	(0)	0	27	0	1	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: XXXXXXXXXX

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	5	2	0	6	7	5
2020	5	2	0	10	12	4
2021	4	2	0	10	13	4
2022	4	2	0	10	12	5
2023	4	2	0	11	13	5
2024	4	2	0	11	13	4
2025	4	2	0	12	14	5
2026	4	2	0	12	13	5
2027	4	2	0	12	14	5
2028	3	2	0	13	14	5
2029	3	2	0	13	15	5
2030	3	3	0	13	15	5
2031	3	3	0	14	15	4
2032	3	3	0	15	16	5
2033	3	3	0	15	16	4
2034	3	3	0	16	17	5
2035	2	3	0	16	17	5
2036	2	3	0	17	18	5
2037	2	3	0	18	19	5
2038	2	3	0	18	19	4
2039	2	3	0	19	20	5
2040	2	3	0	20	21	5
2041	2	3	0	20	21	5
2042	2	3	0	21	22	5
2043	1	4	0	22	23	5
2044	1	4	0	23	24	5
2045	1	4	0	24	24	5
2046	1	4	0	25	25	5
2047	1	4	0	25	26	5
2048	1	4	0	27	27	5
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	81	85	7	489	525	138
NPV	30	22	2	118	131	41

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	4	0
2016	1	0	1	0	0	0	14	0
2017	1	0	1	0	0	0	12	0
2018	1	0	1	0	0	0	15	0
2019	1	0	1	0	0	0	22	0
2020	1	0	1	0	0	0	20	0
2021	1	0	1	0	0	0	19	0
2022	1	0	1	0	0	0	17	0
2023	1	0	1	0	0	0	18	0
2024	1	0	1	0	0	0	15	0
2025	1	0	1	0	0	0	19	0
2026	1	0	1	0	0	0	18	0
2027	0	0	1	0	0	0	17	0
2028	0	0	1	0	0	0	20	0
2029	0	0	1	0	0	0	15	0
2030	0	0	1	0	0	0	18	0
2031	0	0	1	0	0	0	18	0
2032	0	0	1	0	0	0	13	0
2033	0	0	1	0	0	0	19	0
2034	0	0	1	0	0	0	14	0
2035	0	0	1	0	0	0	12	0
2036	0	0	1	0	0	0	14	0
2037	0	0	1	0	0	0	15	0
2038	0	0	1	0	0	0	14	0
2039	0	0	1	0	0	0	13	0
2040	0	0	0	0	0	0	13	0
2041	0	0	0	0	0	0	14	0
2042	0	0	0	0	0	0	16	0
2043	0	0	0	0	0	0	15	0
2044	0	0	0	0	0	0	16	0
2045	0	0	0	0	0	0	16	0
2046	0	0	0	0	0	0	14	0
2047	0	0	0	0	0	0	14	0
2048	0	0	0	0	0	0	18	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	14	6	20	2	3	5	533	0
NPV	6	2	8	1	1	2	190	0

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

AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	1	1	1	0	0
2023	1	2	1	0	0
2024	2	2	1	0	0
2025	2	2	1	0	0
2026	2	2	1	0	0
2027	2	3	1	0	1
2028	2	3	1	0	1
2029	2	3	1	0	1
2030	3	3	2	0	1
2031	3	4	2	0	1
2032	3	4	2	0	1
2033	3	5	2	0	1
2034	4	5	2	0	1
2035	4	5	2	0	1
2036	4	6	3	0	1
2037	5	6	3	0	1
2038	5	7	3	0	1
2039	6	7	3	0	2
2040	6	8	4	0	2
2041	7	9	4	0	2
2042	7	9	4	0	2
2043	8	10	4	0	2
2044	8	11	5	0	2
2045	9	12	5	0	2
2046	9	12	5	0	3
2047	10	13	6	0	3
2048	11	14	6	0	3
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	129	169	75	0	35
NPV	23	30	13	0	6

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: \_\_\_\_\_

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	50	0	50	0	0	4	0	4	(46)	(42)
2016	0	0	0	0	0	0	1	14	0	15	15	(29)
2017	0	0	0	0	0	0	1	12	0	13	13	(19)
2018	0	0	0	0	0	0	1	15	0	16	16	(7)
2019	0	0	0	0	0	5	1	22	0	28	28	13
2020	0	0	0	0	0	4	1	20	0	25	25	29
2021	0	0	0	0	0	4	1	19	0	24	24	44
2022	0	0	59	0	59	5	1	17	0	23	(36)	23
2023	0	0	0	0	0	5	1	18	0	23	23	35
2024	0	0	0	0	0	4	1	15	0	21	21	46
2025	0	0	0	0	0	5	1	19	0	25	25	57
2026	0	0	0	0	0	5	1	18	0	24	24	67
2027	0	0	0	0	0	5	1	17	1	23	23	76
2028	0	0	0	0	0	5	1	20	1	26	26	85
2029	0	0	70	0	71	5	1	15	1	21	(50)	69
2030	0	0	0	0	0	5	1	18	1	24	24	76
2031	0	0	0	0	0	4	1	18	1	24	24	83
2032	0	0	0	0	0	5	1	13	1	20	20	89
2033	0	0	0	0	0	4	1	19	1	25	25	95
2034	0	0	0	0	0	5	1	14	1	20	20	100
2035	0	0	0	0	0	5	1	12	1	18	18	104
2036	0	0	84	0	84	5	1	14	1	21	(63)	91
2037	0	0	0	0	0	5	1	15	1	21	21	95
2038	0	0	0	0	0	4	1	14	1	21	21	99
2039	0	0	0	0	0	5	1	13	2	20	20	102
2040	0	0	0	0	0	5	1	13	2	20	20	105
2041	0	0	0	0	0	5	1	14	2	21	21	108
2042	0	0	0	0	0	5	1	16	2	23	23	111
2043	0	0	100	0	100	5	1	15	2	22	(77)	101
2044	0	0	0	0	0	5	1	16	2	24	24	104
2045	0	0	0	0	0	5	1	16	2	23	23	106
2046	0	0	0	0	0	5	1	14	3	22	22	109
2047	0	0	0	0	0	5	1	14	3	22	22	111
2048	0	0	0	0	0	5	1	18	3	26	26	113
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	363	0	364	138	24	533	35	730	366	
NPV	0	1	133	0	133	41	9	190	6	246	113	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.85

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	4	0	5	0	9	50	0	0	50	(41)	(38)
2016	9	0	0	0	9	0	0	0	0	9	(30)
2017	9	0	0	0	9	0	0	0	0	9	(23)
2018	10	0	0	0	10	0	0	0	0	10	(15)
2019	11	0	0	0	11	0	0	0	0	11	(8)
2020	11	0	0	0	11	0	0	0	0	11	(0)
2021	11	0	0	0	11	0	0	0	0	11	6
2022	12	0	5	0	16	59	0	0	59	(43)	(18)
2023	12	0	0	0	12	0	0	0	0	12	(11)
2024	12	0	0	0	12	0	0	0	0	12	(5)
2025	12	0	0	0	12	0	0	0	0	12	0
2026	12	0	0	0	12	0	0	0	0	12	5
2027	13	0	0	0	13	0	0	0	0	13	10
2028	13	0	0	0	13	0	0	0	0	13	15
2029	13	0	5	0	18	70	0	0	70	(53)	(3)
2030	14	0	0	0	14	0	0	0	0	14	1
2031	14	0	0	0	14	0	0	0	0	14	5
2032	14	0	0	0	14	0	0	0	0	14	9
2033	15	0	0	0	15	0	0	0	0	15	13
2034	16	0	0	0	16	0	0	0	0	16	17
2035	16	0	0	0	16	0	0	0	0	16	21
2036	17	0	5	0	22	84	0	0	84	(62)	8
2037	18	0	0	0	18	0	0	0	0	18	11
2038	19	0	0	0	19	0	0	0	0	19	15
2039	19	0	0	0	19	0	0	0	0	19	18
2040	20	0	0	0	20	0	0	0	0	20	21
2041	21	0	0	0	21	0	0	0	0	21	24
2042	21	0	0	0	21	0	0	0	0	21	27
2043	22	0	5	0	27	100	0	0	100	(73)	18
2044	23	0	0	0	23	0	0	0	0	23	20
2045	24	0	0	0	24	0	0	0	0	24	23
2046	25	0	0	0	25	0	0	0	0	25	25
2047	26	0	0	0	26	0	0	0	0	26	28
2048	27	0	0	0	27	0	0	0	0	27	30
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	539	0	23	0	562	363	0	0	363	199	
NPV	153	0	10	0	163	133	0	0	133	30	

In Service of Gen Unit: 2019  
 Discount Rate: 7.51 %  
 Benefit/Cost Ratio ( Col(6) / Col(10) ) 1.23

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	5	4	0	9	4	0	0	0	4	(4)	(4)
2016	0	0	0	8	0	8	14	1	0	0	15	7	2
2017	0	0	0	8	0	8	12	1	0	0	13	4	6
2018	0	0	0	9	0	9	15	1	0	0	16	8	11
2019	0	0	0	10	0	10	27	1	0	0	28	18	24
2020	0	0	0	10	0	10	25	1	0	0	25	16	34
2021	0	0	0	10	0	10	23	1	0	0	24	14	43
2022	0	0	5	10	0	15	22	1	0	0	23	8	47
2023	0	0	0	10	0	10	22	1	0	0	23	13	54
2024	0	0	0	11	0	11	20	1	0	0	21	11	59
2025	0	0	0	11	0	11	24	1	0	0	25	15	65
2026	0	0	0	11	0	11	23	1	0	0	24	13	71
2027	0	0	0	11	0	11	22	1	0	1	23	12	76
2028	0	0	0	11	0	11	24	1	0	1	26	14	81
2029	0	0	5	12	0	16	20	1	0	1	21	4	82
2030	0	0	0	12	0	12	22	1	0	1	24	12	86
2031	0	0	0	12	0	12	23	1	0	1	24	12	90
2032	0	0	0	13	0	13	18	1	0	1	20	7	92
2033	0	0	0	13	0	13	23	1	0	1	25	12	95
2034	0	0	0	14	0	14	18	1	0	1	20	6	96
2035	0	0	0	14	0	14	17	1	0	1	18	4	97
2036	0	0	5	15	0	20	19	1	0	1	21	1	97
2037	0	0	0	16	0	16	19	1	0	1	21	6	98
2038	0	0	0	16	0	16	19	1	0	1	21	5	99
2039	0	0	0	17	0	17	18	1	0	2	20	3	100
2040	0	0	0	17	0	17	18	1	0	2	20	3	100
2041	0	0	0	18	0	18	19	1	0	2	21	3	101
2042	0	0	0	18	0	18	21	1	0	2	23	5	101
2043	0	0	5	19	0	24	20	1	0	2	22	(2)	101
2044	0	0	0	20	0	20	21	1	0	2	24	4	101
2045	0	0	0	21	0	21	20	1	0	2	23	2	102
2046	0	0	0	22	0	22	19	1	0	3	22	0	102
2047	0	0	0	23	0	23	19	1	0	3	22	(0)	102
2048	0	0	0	23	0	23	22	1	0	3	26	2	102
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	23	468	0	492	671	24	0	35	730	238	
NPV	0	1	10	134	0	144	230	9	0	6	246	102	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.71



INPUT DATA -- PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	39.14 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	51.47199 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	186,904.97 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D .....	1.55920

**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 .....	7.54 %
• (11) UTILITY AFUDC RATE .....	6.50 %
• (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	48	1	0	3	2	1	0	2	0	8	8	8	48
2020	47	1	0	3	1	1	0	2	1	8	8	16	49
2021	44	1	0	3	1	1	0	2	1	8	7	23	50
2022	42	1	0	3	1	1	0	2	1	8	6	29	51
2023	40	1	0	3	1	1	0	2	0	7	5	34	53
2024	38	1	0	2	1	1	0	2	0	7	5	39	54
2025	36	1	0	2	1	1	0	2	0	7	4	44	55
2026	34	1	0	2	1	1	0	2	0	6	4	48	57
2027	32	1	0	2	1	1	0	2	0	6	3	51	58
2028	30	1	0	2	1	1	0	2	0	6	3	54	59
2029	29	1	0	2	1	1	0	2	0	6	3	57	61
2030	27	1	0	2	1	1	0	2	0	5	2	59	62
2031	25	1	0	2	1	0	0	2	0	5	2	62	64
2032	23	0	0	1	1	0	0	2	0	5	2	63	66
2033	21	0	0	1	1	0	0	2	0	5	2	65	67
2034	20	0	0	1	1	0	0	2	0	4	2	67	69
2035	18	0	0	1	1	0	0	2	0	4	1	68	71
2036	16	0	0	1	0	0	0	2	0	4	1	69	72
2037	14	0	0	1	0	0	0	2	0	4	1	70	74
2038	12	0	0	1	0	0	0	2	0	3	1	71	76
2039	10	0	0	1	1	0	0	2	(0)	3	1	72	78
2040	9	0	0	1	1	0	0	2	(1)	3	1	72	80
2041	8	0	0	1	1	0	0	2	(1)	3	1	73	82
2042	7	0	0	0	1	0	0	2	(1)	3	1	74	84
2043	6	0	0	0	1	0	0	2	(1)	3	0	74	86
2044	5	0	0	0	1	0	0	2	(1)	2	0	74	88
2045	4	0	0	0	1	0	0	2	(1)	2	0	75	90
2046	3	0	0	0	1	0	0	2	(1)	2	0	75	93
2047	2	0	0	0	1	0	0	2	(1)	2	0	75	95
2048	1	0	0	0	1	0	0	2	(1)	2	0	76	97

IN SERVICE COST (\$000)	48
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

PROGRAM METHOD SELECTED: REV REQ  
 DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM NAME: ████████████████████

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	3	5	2	3	2	3	1	3	0	0	0	1	0
2021	6.68%	3	8	2	5	2	5	1	3	0	0	0	1	1
2022	6.18%	3	11	2	6	2	6	1	3	0	0	0	1	1
2023	5.71%	3	14	2	8	2	8	0	3	0	0	0	0	2
2024	5.29%	2	16	2	10	2	9	0	3	0	0	0	0	2
2025	4.89%	2	19	2	11	2	11	0	3	0	0	0	0	3
2026	4.52%	2	21	2	13	2	12	0	3	0	0	0	0	3
2027	4.46%	2	23	2	14	2	14	0	3	0	0	0	0	3
2028	4.46%	2	25	2	16	2	15	0	3	0	0	0	0	3
2029	4.46%	2	27	2	17	2	17	0	3	0	0	0	0	3
2030	4.46%	2	29	2	19	2	18	0	3	0	0	0	0	3
2031	4.46%	2	31	2	21	2	20	0	3	0	0	0	0	4
2032	4.46%	2	33	2	22	2	21	0	3	0	0	0	0	4
2033	4.46%	2	35	2	24	2	23	0	3	0	0	0	0	4
2034	4.46%	2	37	2	25	2	24	0	3	0	0	0	0	4
2035	4.46%	2	40	2	27	2	26	0	3	0	0	0	0	5
2036	4.46%	2	42	2	29	2	27	0	3	0	0	0	0	5
2037	4.46%	2	44	2	30	2	29	0	3	0	0	0	0	5
2038	4.46%	2	46	2	32	2	30	0	3	0	0	0	0	5
2039	2.23%	1	47	2	33	2	32	(0)	3	0	0	0	(0)	5
2040	0.00%	0	47	2	35	2	33	(1)	3	0	0	0	(1)	5
2041	0.00%	0	47	2	36	2	35	(1)	3	0	0	0	(1)	4
2042	0.00%	0	47	2	38	2	36	(1)	3	0	0	0	(1)	3
2043	0.00%	0	47	2	40	2	38	(1)	3	0	0	0	(1)	2
2044	0.00%	0	47	2	41	2	39	(1)	3	0	0	0	(1)	2
2045	0.00%	0	47	2	43	2	41	(1)	3	0	0	0	(1)	2
2046	0.00%	0	47	2	44	2	42	(1)	3	0	0	0	(1)	1
2047	0.00%	0	47	2	46	2	44	(1)	3	0	0	0	(1)	1
2048	0.00%	0	47	2	48	2	45	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

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(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	2	0	46	2	(1)	48	47	47
2020	7.22%	3	1	44	3	0	47	44	45
2021	6.68%	3	1	43	5	1	44	42	43
2022	6.18%	3	1	41	6	1	42	40	41
2023	5.71%	3	0	40	8	2	40	38	39
2024	5.29%	2	0	38	10	2	38	36	37
2025	4.89%	2	0	36	11	2	36	34	35
2026	4.52%	2	0	35	13	3	34	32	33
2027	4.46%	2	0	33	14	3	32	30	31
2028	4.46%	2	0	32	16	3	30	29	30
2029	4.46%	2	0	30	17	3	29	27	28
2030	4.46%	2	0	29	19	4	27	25	26
2031	4.46%	2	0	27	21	4	25	23	24
2032	4.46%	2	0	25	22	4	23	21	22
2033	4.46%	2	0	24	24	4	21	20	20
2034	4.46%	2	0	22	25	4	20	18	19
2035	4.46%	2	0	21	27	5	18	16	17
2036	4.46%	2	0	19	29	5	16	14	15
2037	4.46%	2	0	17	30	5	14	12	13
2038	4.46%	2	0	16	32	5	12	10	11
2039	2.23%	1	(0)	14	33	5	10	9	10
2040	0.00%	0	(1)	13	35	5	9	8	9
2041	0.00%	0	(1)	11	36	4	8	7	8
2042	0.00%	0	(1)	10	38	3	7	6	7
2043	0.00%	0	(1)	8	40	3	6	5	6
2044	0.00%	0	(1)	6	41	2	5	4	5
2045	0.00%	0	(1)	5	43	2	4	3	4
2046	0.00%	0	(1)	3	44	1	3	2	3
2047	0.00%	0	(1)	2	46	1	2	1	2
2048	0.00%	0	(1)	0	48	0	1	0	1

\* Column not specified in workbook



AVOIDED GENERATING BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████████████████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	8	3	0	10	13	9
2020	8	3	0	17	22	8
2021	8	4	0	18	22	7
2022	8	4	0	18	22	8
2023	7	4	0	19	22	8
2024	7	4	0	20	23	8
2025	7	4	0	21	24	8
2026	6	4	0	21	23	8
2027	6	4	0	21	24	8
2028	6	4	0	22	24	8
2029	6	4	0	23	25	8
2030	5	4	0	24	26	8
2031	5	5	0	25	27	8
2032	5	5	0	25	27	8
2033	5	5	0	27	29	8
2034	4	5	0	28	30	8
2035	4	5	0	29	30	8
2036	4	5	0	30	31	8
2037	4	5	0	31	33	8
2038	3	5	0	32	34	8
2039	3	6	0	33	34	8
2040	3	6	0	35	36	8
2041	3	6	1	36	37	8
2042	3	6	1	37	38	8
2043	3	6	1	38	40	8
2044	2	6	1	40	42	8
2045	2	6	1	42	43	8
2046	2	7	1	43	44	8
2047	2	7	1	44	46	8
2048	2	7	1	46	47	8
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	143	149	13	854	918	242
NPV	53	38	3	205	228	71





AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ

PROGRAM NAME: \_\_\_\_\_

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	2	1	0	0
2023	2	3	1	0	1
2024	3	4	2	0	1
2025	3	4	2	0	1
2026	3	4	2	0	1
2027	3	4	2	0	1
2028	4	5	2	0	1
2029	4	5	3	0	1
2030	5	6	3	0	1
2031	5	7	3	0	2
2032	6	7	3	0	2
2033	6	8	4	0	2
2034	7	9	4	0	2
2035	7	9	4	0	2
2036	8	10	5	0	2
2037	8	11	5	0	2
2038	9	12	6	0	3
2039	10	13	6	0	3
2040	11	14	6	0	3
2041	12	15	7	0	3
2042	12	16	8	0	4
2043	13	18	8	0	4
2044	14	19	9	0	4
2045	15	20	9	0	5
2046	16	21	10	0	5
2047	17	23	11	0	5
2048	19	24	11	0	5
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	225	295	137	0	67
NPV	40	53	25	0	12

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	45	0	45	0	0	7	0	7	(38)	(38)
2015	0	0	0	0	0	0	2	16	0	18	18	(21)
2016	0	0	0	0	0	0	2	26	0	27	27	3
2017	0	0	0	0	0	0	2	21	0	23	23	21
2018	0	0	0	0	0	0	2	28	0	30	30	44
2019	0	0	0	0	0	9	2	40	0	51	51	79
2020	0	0	0	0	0	8	2	37	0	46	46	109
2021	0	0	0	0	0	7	2	34	0	43	43	135
2022	0	0	0	0	0	8	1	32	0	42	42	158
2023	0	0	0	0	0	8	1	32	1	42	42	180
2024	0	0	57	0	58	8	1	28	1	38	(19)	171
2025	0	0	0	0	0	8	1	36	1	46	46	191
2026	0	0	0	0	0	8	1	33	1	44	44	210
2027	0	0	0	0	0	8	1	31	1	42	42	226
2028	0	0	0	0	0	8	1	36	1	47	47	243
2029	0	0	0	0	0	8	1	27	1	38	38	255
2030	0	0	0	0	0	8	1	32	1	43	43	269
2031	0	0	0	0	0	8	1	34	2	44	44	282
2032	0	0	0	0	0	8	1	24	2	35	35	291
2033	0	0	0	0	0	8	1	35	2	46	46	303
2034	0	0	74	0	74	8	1	25	2	36	(37)	294
2035	0	0	0	0	0	8	1	22	2	33	33	301
2036	0	0	0	0	0	8	1	26	2	38	38	309
2037	0	0	0	0	0	8	1	27	2	39	39	316
2038	0	0	0	0	0	8	1	26	3	37	37	323
2039	0	0	0	0	0	8	1	24	3	36	36	329
2040	0	0	0	0	0	8	1	24	3	36	36	334
2041	0	0	0	0	0	8	1	26	3	38	38	339
2042	0	0	0	0	0	8	1	29	4	42	42	345
2043	0	0	0	0	0	8	1	28	4	41	41	350
2044	0	0	94	0	94	8	1	30	4	43	(51)	344
2045	0	0	0	0	0	8	1	28	5	42	42	349
2046	0	0	0	0	0	8	1	25	5	39	39	352
2047	0	0	0	0	0	8	1	26	5	41	41	356
2048	0	0	0	0	0	8	1	32	5	47	47	360
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	270	0	271	242	42	990	67	1,341	1,071	
NPV	0	0	101	0	101	71	17	361	12	461	360	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 4.57

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: [REDACTED] **A**

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	8	0	8	0	16	45	0	0	45	(28)	(28)
2015	16	0	0	0	16	0	0	0	0	16	(14)
2016	16	0	0	0	16	0	0	0	0	16	1
2017	17	0	0	0	17	0	0	0	0	17	14
2018	18	0	0	0	18	0	0	0	0	18	28
2019	20	0	0	0	20	0	0	0	0	20	41
2020	20	0	0	0	20	0	0	0	0	20	54
2021	20	0	0	0	20	0	0	0	0	20	66
2022	21	0	0	0	21	0	0	0	0	21	78
2023	22	0	0	0	22	0	0	0	0	22	89
2024	22	0	8	0	30	57	0	0	57	(27)	76
2025	22	0	0	0	22	0	0	0	0	22	86
2026	22	0	0	0	22	0	0	0	0	22	95
2027	23	0	0	0	23	0	0	0	0	23	104
2028	23	0	0	0	23	0	0	0	0	23	113
2029	24	0	0	0	24	0	0	0	0	24	121
2030	24	0	0	0	24	0	0	0	0	24	128
2031	25	0	0	0	25	0	0	0	0	25	136
2032	26	0	0	0	26	0	0	0	0	26	143
2033	28	0	0	0	28	0	0	0	0	28	150
2034	29	0	8	0	37	74	0	0	74	(37)	141
2035	30	0	0	0	30	0	0	0	0	30	148
2036	32	0	0	0	32	0	0	0	0	32	154
2037	33	0	0	0	33	0	0	0	0	33	160
2038	34	0	0	0	34	0	0	0	0	34	166
2039	35	0	0	0	35	0	0	0	0	35	172
2040	36	0	0	0	36	0	0	0	0	36	177
2041	37	0	0	0	37	0	0	0	0	37	182
2042	39	0	0	0	39	0	0	0	0	39	187
2043	41	0	0	0	41	0	0	0	0	41	192
2044	42	0	8	0	50	94	0	0	94	(44)	187
2045	44	0	0	0	44	0	0	0	0	44	192
2046	46	0	0	0	46	0	0	0	0	46	197
2047	48	0	0	0	48	0	0	0	0	48	201
2048	50	0	0	0	50	0	0	0	0	50	205
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	992	0	32	0	1,024	270	0	0	270	754	
NPV	291	0	15	0	306	101	0	0	101	205	

In Service of Gen Unit:  
 Discount Rate : 2019 7.54 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) 3.04

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: \_\_\_\_\_

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	8	7	0	16	7	0	0	0	7	(8)	(8)
2015	0	0	0	14	0	14	16	2	0	0	18	4	(5)
2016	0	0	0	14	0	14	26	2	0	0	27	13	6
2017	0	0	0	15	0	15	21	2	0	0	23	8	13
2018	0	0	0	16	0	16	28	2	0	0	30	14	23
2019	0	0	0	17	0	17	49	2	0	0	51	34	47
2020	0	0	0	18	0	18	45	2	0	0	46	28	65
2021	0	0	0	18	0	18	42	2	0	0	43	25	80
2022	0	0	0	19	0	19	40	1	0	0	42	23	93
2023	0	0	0	19	0	19	40	1	0	1	42	24	105
2024	0	0	8	19	0	27	36	1	0	1	38	11	111
2025	0	0	0	19	0	19	44	1	0	1	46	26	123
2026	0	0	0	20	0	20	42	1	0	1	44	24	133
2027	0	0	0	20	0	20	39	1	0	1	42	22	141
2028	0	0	0	20	0	20	44	1	0	1	47	26	151
2029	0	0	0	21	0	21	35	1	0	1	38	17	156
2030	0	0	0	21	0	21	41	1	0	1	43	22	163
2031	0	0	0	22	0	22	42	1	0	2	44	22	170
2032	0	0	0	23	0	23	32	1	0	2	35	13	173
2033	0	0	0	24	0	24	43	1	0	2	46	21	178
2034	0	0	8	25	0	33	33	1	0	2	36	3	179
2035	0	0	0	26	0	26	30	1	0	2	33	8	181
2036	0	0	0	27	0	27	34	1	0	2	38	10	183
2037	0	0	0	28	0	28	35	1	0	2	39	11	185
2038	0	0	0	29	0	29	34	1	0	3	37	8	186
2039	0	0	0	30	0	30	32	1	0	3	36	6	187
2040	0	0	0	31	0	31	32	1	0	3	36	5	188
2041	0	0	0	32	0	32	34	1	0	3	38	6	189
2042	0	0	0	33	0	33	37	1	0	4	42	9	190
2043	0	0	0	35	0	35	36	1	0	4	41	6	191
2044	0	0	8	36	0	45	38	1	0	4	43	(1)	191
2045	0	0	0	38	0	38	37	1	0	5	42	4	191
2046	0	0	0	39	0	39	34	1	0	5	39	0	191
2047	0	0	0	41	0	41	35	1	0	5	41	(0)	191
2048	0	0	0	43	0	43	40	1	0	5	47	4	192
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	32	860	0	893	1,232	42	0	67	1,341	448	
NPV	0	0	15	254	0	269	432	17	0	12	461	192	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.71

INPUT DATA -- PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	77.60 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	102.03929 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	431.65194 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D .....	1.55920

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 .....	7.54 %
(11) UTILITY AFUDC RATE .....	6.50 %
(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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN. TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	96	2	0	6	4	2	0	3	0	17	17	94
2020	92	2	0	6	2	2	0	3	1	16	15	97
2021	88	2	0	5	2	2	0	3	1	16	14	99
2022	83	2	0	5	2	1	0	3	1	15	12	102
2023	79	2	0	5	2	1	0	3	1	14	11	104
2024	75	2	0	5	2	1	0	3	1	14	10	107
2025	71	1	0	4	2	1	0	3	1	13	9	109
2026	67	1	0	4	2	1	0	3	0	13	8	112
2027	64	1	0	4	2	1	0	3	0	12	7	115
2028	60	1	0	4	2	1	0	3	0	12	6	118
2029	57	1	0	4	2	1	0	3	0	11	5	121
2030	53	1	0	3	2	1	0	3	0	11	5	124
2031	50	1	0	3	2	1	0	3	0	10	4	127
2032	46	1	0	3	1	1	0	3	0	10	4	130
2033	42	1	0	3	1	1	0	3	0	9	3	133
2034	39	1	0	2	1	1	0	3	0	9	3	137
2035	35	1	0	2	1	1	0	3	0	8	3	140
2036	32	1	0	2	1	1	0	3	0	8	2	144
2037	28	1	0	2	1	1	0	3	0	7	2	147
2038	24	1	0	2	1	1	0	3	0	7	2	151
2039	21	0	0	1	1	1	0	3	(0)	6	1	155
2040	18	0	0	1	2	0	0	3	(1)	6	1	158
2041	16	0	0	1	2	0	0	3	(1)	6	1	162
2042	14	0	0	1	2	0	0	3	(1)	5	1	167
2043	12	0	0	1	2	0	0	3	(1)	5	1	171
2044	10	0	0	1	2	0	0	3	(1)	5	1	175
2045	8	0	0	0	2	0	0	3	(1)	4	1	179
2046	6	0	0	0	1	0	0	3	(1)	4	1	184
2047	4	0	0	0	1	0	0	3	(1)	4	1	188
2048	2	0	0	0	1	(0)	0	3	(1)	4	0	193

IN SERVICE COST (\$000)	94
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	3	3	3	3	0	5	0	0	0	0	(1)
2020	7.22%	7	10	3	6	3	6	1	5	0	0	0	1	0
2021	6.68%	6	16	3	9	3	9	1	5	0	0	0	1	2
2022	6.18%	6	22	3	13	3	12	1	5	0	0	0	1	3
2023	5.71%	5	27	3	16	3	15	1	5	0	0	0	1	4
2024	5.29%	5	32	3	19	3	18	1	5	0	0	0	1	5
2025	4.89%	5	37	3	22	3	21	1	5	0	0	0	0	5
2026	4.52%	4	41	3	25	3	24	0	5	0	0	0	0	6
2027	4.46%	4	45	3	28	3	27	0	5	0	0	0	0	6
2028	4.46%	4	49	3	31	3	30	0	5	0	0	0	0	7
2029	4.46%	4	53	3	35	3	33	0	5	0	0	0	0	7
2030	4.46%	4	58	3	38	3	36	0	5	0	0	0	0	8
2031	4.46%	4	62	3	41	3	39	0	5	0	0	0	0	8
2032	4.46%	4	66	3	44	3	42	0	5	0	0	0	0	8
2033	4.46%	4	70	3	47	3	45	0	5	0	0	0	0	9
2034	4.46%	4	74	3	50	3	48	0	5	0	0	0	0	9
2035	4.46%	4	78	3	53	3	51	0	5	0	0	0	0	9
2036	4.46%	4	82	3	57	3	54	0	5	0	0	0	0	10
2037	4.46%	4	87	3	60	3	57	0	5	0	0	0	0	10
2038	4.46%	4	91	3	63	3	60	0	5	0	0	0	(0)	11
2039	2.23%	2	93	3	66	3	63	(0)	5	0	0	0	(0)	10
2040	0.00%	0	93	3	69	3	66	(1)	5	0	0	0	(1)	9
2041	0.00%	0	93	3	72	3	69	(1)	5	0	0	0	(1)	8
2042	0.00%	0	93	3	75	3	72	(1)	5	0	0	0	(1)	7
2043	0.00%	0	93	3	79	3	75	(1)	5	0	0	0	(1)	6
2044	0.00%	0	93	3	82	3	77	(1)	5	0	0	0	(1)	5
2045	0.00%	0	93	3	85	3	80	(1)	5	0	0	0	(1)	3
2046	0.00%	0	93	3	88	3	83	(1)	5	0	0	0	(1)	2
2047	0.00%	0	93	3	91	3	86	(1)	5	0	0	0	(1)	1
2048	0.00%	0	93	3	94	3	89	(1)	5	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	5
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	3	0	91	3	(1)	96	92	94
2020	7.22%	7	1	88	6	0	92	88	90
2021	6.68%	6	1	85	9	2	88	83	86
2022	6.18%	6	1	82	13	3	83	79	81
2023	5.71%	5	1	79	16	4	79	75	77
2024	5.29%	5	1	75	19	4	75	71	73
2025	4.89%	5	1	72	22	5	71	67	69
2026	4.52%	4	0	69	25	5	67	64	66
2027	4.46%	4	0	66	28	6	64	60	62
2028	4.46%	4	0	63	31	6	60	57	58
2029	4.46%	4	0	60	35	7	57	53	55
2030	4.46%	4	0	57	38	7	53	50	51
2031	4.46%	4	0	53	41	8	50	46	48
2032	4.46%	4	0	50	44	8	46	42	44
2033	4.46%	4	0	47	47	8	42	39	41
2034	4.46%	4	0	44	50	9	39	35	37
2035	4.46%	4	0	41	53	9	35	32	33
2036	4.46%	4	0	38	57	10	32	28	30
2037	4.46%	4	0	35	60	10	28	24	26
2038	4.46%	4	0	31	63	11	24	21	23
2039	2.23%	2	(0)	28	66	10	21	18	19
2040	0.00%	0	(1)	25	69	9	18	16	17
2041	0.00%	0	(1)	22	72	8	16	14	15
2042	0.00%	0	(1)	19	75	7	14	12	13
2043	0.00%	0	(1)	16	79	6	12	10	11
2044	0.00%	0	(1)	13	82	5	10	8	9
2045	0.00%	0	(1)	9	85	3	8	6	7
2046	0.00%	0	(1)	6	88	2	6	4	5
2047	0.00%	0	(1)	3	91	1	4	2	3
2048	0.00%	0	(1)	(0)	94	0	2	0	1

\* Column not specified in workbook

INPUT DATA -- PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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 EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████████████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	3	4	2	0	1
2023	5	6	3	0	2
2024	5	7	4	0	2
2025	6	8	4	0	2
2026	6	8	4	0	3
2027	7	9	5	0	3
2028	7	10	5	0	3
2029	8	11	6	0	3
2030	9	12	6	0	4
2031	10	13	7	0	4
2032	11	14	8	0	4
2033	12	16	9	0	5
2034	13	17	9	0	5
2035	14	19	10	0	6
2036	16	20	11	0	6
2037	17	22	12	0	7
2038	18	24	13	0	7
2039	20	26	14	0	8
2040	21	28	15	0	8
2041	23	30	16	0	9
2042	25	32	17	0	10
2043	27	35	19	0	10
2044	28	37	20	0	11
2045	30	40	21	0	12
2046	33	43	23	0	13
2047	35	45	24	0	14
2048	37	48	26	0	15
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	446	584	316	0	178
NPV	80	104	57	0	33

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	147	0	147	0	0	15	0	16	(131)	(131)
2015	0	0	0	0	0	0	4	36	0	40	40	(94)
2016	0	0	0	0	0	0	3	53	0	56	56	(45)
2017	0	0	0	0	0	0	3	44	0	48	48	(7)
2018	0	0	0	0	0	0	3	51	0	54	54	34
2019	0	0	0	0	0	18	3	72	0	93	93	98
2020	0	0	0	0	0	15	3	85	0	103	103	165
2021	0	0	0	0	0	15	3	78	0	96	96	223
2022	0	0	0	0	0	16	3	68	1	88	88	272
2023	0	0	0	0	0	16	3	61	2	82	82	315
2024	0	0	188	0	188	16	3	61	2	81	(107)	263
2025	0	0	0	0	0	16	3	76	2	97	97	307
2026	0	0	0	0	0	16	3	82	3	104	104	350
2027	0	0	0	0	0	16	3	73	3	94	94	386
2028	0	0	0	0	0	17	2	74	3	96	96	421
2029	0	0	0	0	0	16	2	56	3	78	78	448
2030	0	0	0	0	0	16	2	64	4	86	86	474
2031	0	0	0	0	0	16	2	73	4	95	95	502
2032	0	0	0	0	0	16	2	67	4	89	89	526
2033	0	0	0	0	0	16	2	69	5	92	92	549
2034	0	0	241	0	241	16	2	57	5	80	(161)	512
2035	0	0	0	0	0	16	2	52	6	76	76	528
2036	0	0	0	0	0	16	2	75	6	99	99	548
2037	0	0	0	0	0	16	2	77	7	102	102	567
2038	0	0	0	0	0	15	2	70	7	95	95	584
2039	0	0	0	0	0	16	2	59	8	85	85	598
2040	0	0	0	0	0	16	2	62	8	88	88	611
2041	0	0	0	0	0	16	2	67	9	94	94	624
2042	0	0	0	0	0	16	2	79	10	107	107	638
2043	0	0	0	0	0	16	2	73	10	101	101	651
2044	0	0	308	0	308	16	2	80	11	109	(200)	628
2045	0	0	0	0	0	16	2	73	12	103	103	639
2046	0	0	0	0	0	16	2	59	13	90	90	648
2047	0	0	0	0	0	16	2	61	14	93	93	656
2048	0	0	0	0	0	17	2	82	15	115	115	666
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	884	0	885	479	84	2,285	178	3,026	2,141	
NPV	0	0	329	0	329	140	34	788	33	995	666	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)): 3.02

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	16	0	16	0	32	147	0	0	147	(115)	(115)
2015	31	0	0	0	31	0	0	0	0	31	(86)
2016	32	0	0	0	32	0	0	0	0	32	(58)
2017	33	0	0	0	33	0	0	0	0	33	(32)
2018	35	0	0	0	35	0	0	0	0	35	(6)
2019	38	0	0	0	38	0	0	0	0	38	21
2020	39	0	0	0	39	0	0	0	0	39	46
2021	40	0	0	0	40	0	0	0	0	40	70
2022	41	0	0	0	41	0	0	0	0	41	93
2023	42	0	0	0	42	0	0	0	0	42	114
2024	42	0	16	0	58	188	0	0	188	(130)	51
2025	42	0	0	0	42	0	0	0	0	42	70
2026	43	0	0	0	43	0	0	0	0	43	89
2027	44	0	0	0	44	0	0	0	0	44	106
2028	45	0	0	0	45	0	0	0	0	45	122
2029	46	0	0	0	46	0	0	0	0	46	137
2030	47	0	0	0	47	0	0	0	0	47	152
2031	48	0	0	0	48	0	0	0	0	48	166
2032	50	0	0	0	50	0	0	0	0	50	180
2033	54	0	0	0	54	0	0	0	0	54	193
2034	56	0	16	0	72	241	0	0	241	(169)	154
2035	57	0	0	0	57	0	0	0	0	57	166
2036	61	0	0	0	61	0	0	0	0	61	178
2037	63	0	0	0	63	0	0	0	0	63	190
2038	65	0	0	0	65	0	0	0	0	65	202
2039	67	0	0	0	67	0	0	0	0	67	212
2040	69	0	0	0	69	0	0	0	0	69	223
2041	71	0	0	0	71	0	0	0	0	71	233
2042	74	0	0	0	74	0	0	0	0	74	243
2043	78	0	0	0	78	0	0	0	0	78	252
2044	81	0	16	0	97	308	0	0	308	(211)	228
2045	85	0	0	0	85	0	0	0	0	85	237
2046	88	0	0	0	88	0	0	0	0	88	246
2047	92	0	0	0	92	0	0	0	0	92	254
2048	96	0	0	0	96	0	0	0	0	96	262
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	1,910	0	64	0	1,974	884	0	0	884	1,090	
NPV	562	0	29	0	591	329	0	0	329	262	

In Service of Gen Unit: 2019  
 Discount Rate : 7.54 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) 1.80





I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	144.21 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	189.63004 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	873,162.25 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

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 .....	7.54 %
* (11) UTILITY AFUDC RATE.....	6.50 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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

\* INPUT DATA - PART I CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██

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YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	30	0	30	17	8	383	0	0	383
2015	0	0	0	0	31	16	0	0	0	0
2016	0	0	0	0	32	16	0	0	0	0
2017	0	0	0	0	33	17	0	0	0	0
2018	0	0	0	0	38	17	0	0	0	0
2019	0	0	0	0	41	18	0	0	0	0
2020	0	0	0	0	42	20	0	0	0	0
2021	0	0	0	0	43	21	0	0	0	0
2022	0	0	0	0	43	21	0	0	0	0
2023	0	0	0	0	45	17	0	0	0	0
2024	0	30	0	30	47	17	490	0	0	490
2025	0	0	0	0	48	16	0	0	0	0
2026	0	0	0	0	50	16	0	0	0	0
2027	0	0	0	0	51	16	0	0	0	0
2028	0	0	0	0	53	16	0	0	0	0
2029	0	0	0	0	55	16	0	0	0	0
2030	0	0	0	0	57	16	0	0	0	0
2031	0	0	0	0	59	16	0	0	0	0
2032	0	0	0	0	62	16	0	0	0	0
2033	0	0	0	0	68	16	0	0	0	0
2034	0	30	0	30	71	17	627	0	0	627
2035	0	0	0	0	74	17	0	0	0	0
2036	0	0	0	0	81	17	0	0	0	0
2037	0	0	0	0	84	17	0	0	0	0
2038	0	0	0	0	88	17	0	0	0	0
2039	0	0	0	0	92	17	0	0	0	0
2040	0	0	0	0	95	17	0	0	0	0
2041	0	0	0	0	100	18	0	0	0	0
2042	0	0	0	0	105	18	0	0	0	0
2043	0	0	0	0	112	18	0	0	0	0
2044	0	30	0	30	118	18	803	0	0	803
2045	0	0	0	0	124	18	0	0	0	0
2046	0	0	0	0	131	18	0	0	0	0
2047	0	0	0	0	138	18	0	0	0	0
2048	0	0	0	0	145	19	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	119	0	120	2,475	594	2,303	0	0	2,303
NPV	0	54	0	55	665	217	857	0	0	857

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
YEAR												
2019	178	4	0	11	7	3	0	6	0	31	31	175
2020	172	4	0	11	4	3	0	6	3	30	28	180
2021	163	3	0	10	4	3	0	6	2	29	25	184
2022	155	3	0	10	4	3	0	6	2	28	22	189
2023	147	3	0	9	4	3	0	6	2	27	20	194
2024	140	3	0	9	4	3	0	6	1	26	18	198
2025	132	3	0	8	4	2	0	6	1	25	16	203
2026	125	3	0	8	4	2	0	6	1	24	14	208
2027	119	2	0	7	4	2	0	6	1	23	13	214
2028	112	2	0	7	4	2	0	6	1	22	11	219
2029	105	2	0	7	4	2	0	6	1	21	10	224
2030	99	2	0	6	3	2	0	6	1	20	9	230
2031	92	2	0	6	3	2	0	6	1	19	8	236
2032	85	2	0	5	3	2	0	6	1	18	7	242
2033	79	2	0	5	2	2	0	6	1	17	6	248
2034	72	1	0	5	2	1	0	6	1	16	6	254
2035	65	1	0	4	2	1	0	6	1	16	5	260
2036	59	1	0	4	2	1	0	6	1	15	4	267
2037	52	1	0	3	1	1	0	6	1	14	4	274
2038	45	1	0	3	1	1	0	6	1	13	3	280
2039	39	1	0	2	2	1	0	6	(1)	12	3	287
2040	33	1	0	2	4	1	0	6	(2)	11	2	295
2041	30	1	0	2	3	1	0	6	(2)	11	2	302
2042	26	1	0	2	3	1	0	6	(2)	10	2	309
2043	22	0	0	1	3	1	0	6	(2)	9	2	317
2044	19	0	0	1	3	0	0	6	(2)	9	1	325
2045	15	0	0	1	3	0	0	6	(2)	8	1	333
2046	11	0	0	1	3	0	0	6	(2)	8	1	342
2047	7	0	0	0	3	0	0	6	(2)	7	1	350
2048	4	0	0	0	2	0	0	6	(2)	7	1	359

IN SERVICE COST (\$000)	175
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	6	6	6	6	6	6	0	9	0	0	0	0	(2)
2020	7.22%	12	19	6	12	6	11	3	9	0	0	0	3	1
2021	6.68%	12	30	6	18	6	17	2	9	0	0	0	2	3
2022	6.18%	11	41	6	23	6	22	2	9	0	0	0	2	5
2023	5.71%	10	51	6	29	6	28	2	9	0	0	0	2	7
2024	5.29%	9	60	6	35	6	33	1	9	0	0	0	1	8
2025	4.89%	8	69	6	41	6	39	1	9	0	0	0	1	9
2026	4.52%	8	76	6	47	6	44	1	9	0	0	0	1	10
2027	4.46%	8	84	6	53	6	50	1	9	0	0	0	1	11
2028	4.46%	8	92	6	58	6	55	1	9	0	0	0	1	12
2029	4.46%	8	99	6	64	6	61	1	9	0	0	0	1	12
2030	4.46%	8	107	6	70	6	66	1	9	0	0	0	1	13
2031	4.46%	8	115	6	76	6	72	1	9	0	0	0	1	14
2032	4.46%	8	122	6	82	6	78	1	9	0	0	0	1	15
2033	4.46%	8	130	6	88	6	83	1	9	0	0	0	1	16
2034	4.46%	8	138	6	94	6	89	1	9	0	0	0	1	17
2035	4.46%	8	146	6	99	6	94	1	9	0	0	0	1	17
2036	4.46%	8	153	6	105	6	100	1	9	0	0	0	1	18
2037	4.46%	8	161	6	111	6	105	1	9	0	0	0	1	19
2038	4.46%	8	169	6	117	6	111	1	9	0	0	0	1	20
2039	2.23%	4	173	6	123	6	116	(1)	9	0	0	0	(1)	19
2040	0.00%	0	173	6	129	6	122	(2)	9	0	0	0	(2)	17
2041	0.00%	0	173	6	134	6	127	(2)	9	0	0	0	(2)	15
2042	0.00%	0	173	6	140	6	133	(2)	9	0	0	0	(2)	13
2043	0.00%	0	173	6	146	6	138	(2)	9	0	0	0	(2)	11
2044	0.00%	0	173	6	152	6	144	(2)	9	0	0	0	(2)	9
2045	0.00%	0	173	6	158	6	150	(2)	9	0	0	0	(2)	6
2046	0.00%	0	173	6	164	6	155	(2)	9	0	0	0	(2)	4
2047	0.00%	0	173	6	170	6	161	(2)	9	0	0	0	(2)	2
2048	0.00%	0	173	6	175	6	166	(2)	9	0	0	0	(2)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(2)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	9
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

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(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	6	0	170	6	(2)	178	172	175
2020	7.22%	12	3	164	12	1	172	163	167
2021	6.68%	12	2	158	18	3	163	155	159
2022	6.18%	11	2	152	23	5	155	147	151
2023	5.71%	10	2	146	29	7	147	140	143
2024	5.29%	9	1	140	35	8	140	132	136
2025	4.89%	8	1	134	41	9	132	125	129
2026	4.52%	8	1	129	47	10	125	119	122
2027	4.46%	8	1	123	53	11	119	112	115
2028	4.46%	8	1	117	58	12	112	105	109
2029	4.46%	8	1	111	64	12	105	99	102
2030	4.46%	8	1	105	70	13	99	92	95
2031	4.46%	8	1	99	76	14	92	85	89
2032	4.46%	8	1	94	82	15	85	79	82
2033	4.46%	8	1	88	88	16	79	72	75
2034	4.46%	8	1	82	94	17	72	65	69
2035	4.46%	8	1	76	99	17	65	59	62
2036	4.46%	8	1	70	105	18	59	52	55
2037	4.46%	8	1	64	111	19	52	45	49
2038	4.46%	8	1	58	117	20	45	39	42
2039	2.23%	4	(1)	53	123	19	39	33	36
2040	0.00%	0	(2)	47	129	17	33	30	32
2041	0.00%	0	(2)	41	134	15	30	26	28
2042	0.00%	0	(2)	35	140	13	26	22	24
2043	0.00%	0	(2)	29	146	11	22	19	20
2044	0.00%	0	(2)	23	152	9	19	15	17
2045	0.00%	0	(2)	18	158	6	15	11	13
2046	0.00%	0	(2)	12	164	4	11	7	9
2047	0.00%	0	(2)	6	170	2	7	4	6
2048	0.00%	0	(2)	0	175	0	4	0	2

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	AVOIDED GEN UNIT CAPACITY COST \$(000)	AVOIDED GEN UNIT FIXED O&M \$(000)	AVOIDED GEN UNIT VARIABLE O&M \$(000)	AVOIDED GEN UNIT FUEL COST \$(000)	REPLACEMENT FUEL COST \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	31	13	1	36	47	33
2020	30	13	1	64	80	28
2021	29	13	1	65	81	27
2022	28	13	1	67	80	29
2023	27	14	1	70	82	30
2024	26	14	1	74	86	29
2025	25	15	1	76	88	29
2026	24	15	1	76	86	30
2027	23	15	1	78	89	29
2028	22	16	1	82	90	31
2029	21	16	1	85	94	29
2030	20	16	1	87	94	30
2031	19	17	1	90	99	29
2032	18	17	1	94	101	30
2033	17	18	2	98	106	29
2034	16	18	2	102	109	29
2035	16	19	2	106	112	30
2036	15	19	2	110	115	30
2037	14	20	2	114	120	29
2038	13	20	2	118	124	29
2039	12	21	2	123	127	30
2040	11	21	2	127	132	29
2041	11	22	2	131	136	30
2042	10	22	2	137	141	30
2043	9	23	2	142	146	30
2044	9	23	2	148	153	29
2045	8	24	2	153	158	30
2046	8	24	2	159	163	31
2047	7	25	2	164	168	30
2048	7	26	2	171	175	31
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	526	550	48	3,147	3,381	890
NPV	193	142	12	755	841	261

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	31	0
2015	5	1	6	1	0	1	73	0
2016	5	1	5	1	0	1	107	0
2017	4	1	5	1	0	1	90	0
2018	4	1	5	1	0	1	103	0
2019	4	1	5	1	0	1	145	0
2020	4	1	5	1	0	1	172	0
2021	4	1	5	1	0	1	158	0
2022	4	1	4	1	0	1	138	0
2023	4	1	4	0	0	1	124	0
2024	3	1	4	0	0	1	123	0
2025	3	1	4	0	0	1	154	0
2026	3	1	4	0	0	1	167	0
2027	3	1	4	0	0	1	147	0
2028	3	1	4	0	0	1	150	0
2029	3	1	4	0	0	1	114	0
2030	3	1	3	0	1	1	129	0
2031	2	1	3	0	1	1	148	0
2032	2	1	3	0	1	1	135	0
2033	2	1	3	0	1	1	140	0
2034	2	1	3	0	1	1	115	0
2035	2	1	3	0	1	1	105	0
2036	2	1	3	0	1	1	151	0
2037	2	1	3	0	1	1	156	0
2038	2	1	3	0	1	1	143	0
2039	2	1	3	0	1	1	119	0
2040	2	1	3	0	1	1	125	0
2041	2	1	3	0	1	1	136	0
2042	2	1	3	0	1	1	159	0
2043	2	1	3	0	1	1	147	0
2044	2	1	3	0	1	1	162	0
2045	1	1	3	0	1	1	147	0
2046	1	1	3	0	1	1	120	0
2047	1	2	3	0	1	1	124	0
2048	1	2	3	0	1	1	166	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	91	36	127	11	18	29	4,622	0
NPV	41	11	52	5	6	11	1,595	0

\* 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\_REQ  
PROGRAM NAME: ██ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	383	0	383	0	0	31	1	32	(351)	(351)
2015	0	0	0	0	0	0	7	73	0	81	81	(276)
2016	0	0	0	0	0	0	6	107	0	114	114	(178)
2017	0	0	0	0	0	0	6	90	0	96	96	(101)
2018	0	0	0	0	0	0	6	103	0	109	109	(20)
2019	0	0	0	0	0	33	6	145	0	184	184	109
2020	0	0	0	0	0	28	6	172	0	206	206	242
2021	0	0	0	0	0	27	6	158	0	191	191	357
2022	0	0	0	0	0	29	5	138	3	176	176	455
2023	0	0	0	0	0	30	5	124	4	163	163	540
2024	0	0	490	0	490	29	5	123	4	162	(328)	381
2025	0	0	0	0	0	29	5	154	5	194	194	468
2026	0	0	0	0	0	30	5	167	5	207	207	555
2027	0	0	0	0	0	29	5	147	6	187	187	627
2028	0	0	0	0	0	31	5	150	7	192	192	697
2029	0	0	0	0	0	29	4	114	7	155	155	749
2030	0	0	0	0	0	30	4	129	8	171	171	803
2031	0	0	0	0	0	29	4	148	9	190	190	858
2032	0	0	0	0	0	30	4	135	9	178	178	906
2033	0	0	0	0	0	29	4	140	10	183	183	952
2034	0	0	627	0	628	29	4	115	11	160	(468)	843
2035	0	0	0	0	0	30	4	105	12	151	151	876
2036	0	0	0	0	0	30	4	151	13	198	198	916
2037	0	0	0	0	0	29	4	156	14	204	204	954
2038	0	0	0	0	0	29	4	143	15	191	191	988
2039	0	0	0	0	0	30	4	119	17	170	170	1,015
2040	0	0	0	0	0	29	4	125	18	176	176	1,042
2041	0	0	0	0	0	30	4	136	19	188	188	1,068
2042	0	0	0	0	0	30	4	159	21	214	214	1,096
2043	0	0	0	0	0	30	4	147	23	203	203	1,121
2044	0	0	803	0	803	29	4	162	24	219	(585)	1,055
2045	0	0	0	0	0	30	4	147	26	206	206	1,077
2046	0	0	0	0	0	31	4	120	28	181	181	1,094
2047	0	0	0	0	0	30	4	124	29	187	187	1,111
2048	0	0	0	0	0	31	4	166	31	231	231	1,131
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	2,303	0	2,304	890	156	4,622	382	6,052	3,747	
NPV	0	0	857	0	858	261	63	1,595	70	1,989	1,131	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.32

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: [REDACTED]

A

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	25	0	30	0	55	383	0	0	383	(328)	(328)
2015	47	0	0	0	47	0	0	0	0	47	(284)
2016	48	0	0	0	48	0	0	0	0	48	(242)
2017	50	0	0	0	50	0	0	0	0	50	(202)
2018	54	0	0	0	54	0	0	0	0	54	(161)
2019	60	0	0	0	60	0	0	0	0	60	(119)
2020	62	0	0	0	62	0	0	0	0	62	(79)
2021	64	0	0	0	64	0	0	0	0	64	(41)
2022	64	0	0	0	64	0	0	0	0	64	(5)
2023	62	0	0	0	62	0	0	0	0	62	27
2024	64	0	30	0	94	490	0	0	490	(396)	(164)
2025	64	0	0	0	64	0	0	0	0	64	(135)
2026	65	0	0	0	65	0	0	0	0	65	(108)
2027	67	0	0	0	67	0	0	0	0	67	(82)
2028	69	0	0	0	69	0	0	0	0	69	(57)
2029	71	0	0	0	71	0	0	0	0	71	(33)
2030	73	0	0	0	73	0	0	0	0	73	(11)
2031	75	0	0	0	75	0	0	0	0	75	11
2032	78	0	0	0	78	0	0	0	0	78	32
2033	85	0	0	0	85	0	0	0	0	85	54
2034	88	0	30	0	118	627	0	0	627	(510)	(66)
2035	91	0	0	0	91	0	0	0	0	91	(46)
2036	97	0	0	0	97	0	0	0	0	97	(26)
2037	101	0	0	0	101	0	0	0	0	101	(7)
2038	105	0	0	0	105	0	0	0	0	105	11
2039	109	0	0	0	109	0	0	0	0	109	29
2040	113	0	0	0	113	0	0	0	0	113	46
2041	117	0	0	0	117	0	0	0	0	117	62
2042	122	0	0	0	122	0	0	0	0	122	79
2043	130	0	0	0	130	0	0	0	0	130	94
2044	136	0	30	0	166	803	0	0	803	(637)	22
2045	142	0	0	0	142	0	0	0	0	142	37
2046	149	0	0	0	149	0	0	0	0	149	52
2047	156	0	0	0	156	0	0	0	0	156	66
2048	164	0	0	0	164	0	0	0	0	164	80
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	3,069	0	119	0	3,187	2,303	0	0	2,303	884	
NPV	883	0	54	0	937	857	0	0	857	80	

In Service of Gen Unit:  
 Discount Rate : 2019 7.54 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) 1.09

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	30	25	0	55	31	0	0	1	32	(24)	(24)
2015	0	0	0	47	0	47	73	7	0	0	81	33	7
2016	0	0	0	48	0	48	107	6	0	0	114	65	64
2017	0	0	0	50	0	50	90	6	0	0	96	46	101
2018	0	0	0	54	0	54	103	6	0	0	109	54	141
2019	0	0	0	60	0	60	178	6	0	0	184	124	228
2020	0	0	0	62	0	62	200	6	0	0	206	144	321
2021	0	0	0	64	0	64	186	6	0	3	191	128	398
2022	0	0	0	64	0	64	168	5	0	3	176	111	460
2023	0	0	0	62	0	62	154	5	0	4	163	100	512
2024	0	0	30	64	0	94	152	5	0	4	162	68	545
2025	0	0	0	64	0	64	184	5	0	5	194	130	603
2026	0	0	0	65	0	65	197	5	0	5	207	142	663
2027	0	0	0	67	0	67	176	5	0	6	187	120	709
2028	0	0	0	69	0	69	181	5	0	7	192	124	754
2029	0	0	0	71	0	71	144	4	0	7	155	85	783
2030	0	0	0	73	0	73	159	4	0	8	171	99	813
2031	0	0	0	75	0	75	177	4	0	9	190	116	847
2032	0	0	0	78	0	78	165	4	0	9	178	100	874
2033	0	0	0	85	0	85	169	4	0	10	183	99	899
2034	0	0	30	88	0	118	144	4	0	11	160	42	909
2035	0	0	0	91	0	91	134	4	0	12	151	60	922
2036	0	0	0	97	0	97	181	4	0	13	198	101	942
2037	0	0	0	101	0	101	186	4	0	14	204	103	961
2038	0	0	0	105	0	105	171	4	0	15	191	86	976
2039	0	0	0	109	0	109	149	4	0	17	170	61	986
2040	0	0	0	113	0	113	154	4	0	18	176	63	996
2041	0	0	0	117	0	117	165	4	0	19	188	71	1,006
2042	0	0	0	122	0	122	189	4	0	21	214	92	1,018
2043	0	0	0	130	0	130	177	4	0	23	203	73	1,027
2044	0	0	30	136	0	166	191	4	0	24	219	53	1,033
2045	0	0	0	142	0	142	177	4	0	26	206	64	1,039
2046	0	0	0	149	0	149	150	4	0	28	181	33	1,043
2047	0	0	0	156	0	156	154	4	0	29	187	31	1,045
2048	0	0	0	164	0	164	196	4	0	31	231	68	1,051
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	119	3,069	0	3,189	5,513	156	0	382	6,052	2,863	
NPV	0	0	54	883	0	938	1,856	63	0	70	1,989	1,051	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.12

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	5.79 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	7.60824 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	33,769.54 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D .....	1.55920

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 .....	7.54 %
* (11) UTILITY AFUDC RATE .....	6.50 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	7	0	0	0	0	0	0	0	0	1	1	1	7
2020	7	0	0	0	0	0	0	0	0	1	1	2	7
2021	7	0	0	0	0	0	0	0	0	1	1	3	7
2022	6	0	0	0	0	0	0	0	0	1	1	4	8
2023	6	0	0	0	0	0	0	0	0	1	1	5	8
2024	6	0	0	0	0	0	0	0	0	1	1	6	8
2025	5	0	0	0	0	0	0	0	0	1	1	6	8
2026	5	0	0	0	0	0	0	0	0	1	1	7	8
2027	5	0	0	0	0	0	0	0	0	1	1	8	9
2028	4	0	0	0	0	0	0	0	0	1	0	8	9
2029	4	0	0	0	0	0	0	0	0	1	0	8	9
2030	4	0	0	0	0	0	0	0	0	1	0	9	9
2031	4	0	0	0	0	0	0	0	0	1	0	9	9
2032	3	0	0	0	0	0	0	0	0	1	0	9	10
2033	3	0	0	0	0	0	0	0	0	1	0	10	10
2034	3	0	0	0	0	0	0	0	0	1	0	10	10
2035	3	0	0	0	0	0	0	0	0	1	0	10	10
2036	2	0	0	0	0	0	0	0	0	1	0	10	11
2037	2	0	0	0	0	0	0	0	0	1	0	10	11
2038	2	0	0	0	0	0	0	0	0	1	0	11	11
2039	2	0	0	0	0	0	0	0	(0)	0	0	11	12
2040	1	0	0	0	0	0	0	0	(0)	0	0	11	12
2041	1	0	0	0	0	0	0	0	(0)	0	0	11	12
2042	1	0	0	0	0	0	0	0	(0)	0	0	11	12
2043	1	0	0	0	0	0	0	0	(0)	0	0	11	13
2044	1	0	0	0	0	0	0	0	(0)	0	0	11	13
2045	1	0	0	0	0	0	0	0	(0)	0	0	11	14
2046	0	0	0	0	0	0	0	0	(0)	0	0	11	14
2047	0	0	0	0	0	0	0	0	(0)	0	0	11	14
2048	0	0	0	0	0	0	0	0	(0)	0	0	11	14

IN SERVICE COST (\$000)	7
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2020	7.22%	0	1	0	0	0	0	0	0	0	0	0	0	0
2021	6.68%	0	1	0	1	0	1	0	0	0	0	0	0	0
2022	6.18%	0	2	0	1	0	1	0	0	0	0	0	0	0
2023	5.71%	0	2	0	1	0	1	0	0	0	0	0	0	0
2024	5.29%	0	2	0	1	0	1	0	0	0	0	0	0	0
2025	4.89%	0	3	0	2	0	2	0	0	0	0	0	0	0
2026	4.52%	0	3	0	2	0	2	0	0	0	0	0	0	0
2027	4.46%	0	3	0	2	0	2	0	0	0	0	0	0	0
2028	4.46%	0	4	0	2	0	2	0	0	0	0	0	0	0
2029	4.46%	0	4	0	3	0	2	0	0	0	0	0	0	1
2030	4.46%	0	4	0	3	0	3	0	0	0	0	0	0	1
2031	4.46%	0	5	0	3	0	3	0	0	0	0	0	0	1
2032	4.46%	0	5	0	3	0	3	0	0	0	0	0	0	1
2033	4.46%	0	5	0	4	0	3	0	0	0	0	0	0	1
2034	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2035	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2036	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2037	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2038	4.46%	0	7	0	5	0	4	0	0	0	0	0	0	1
2039	2.23%	0	7	0	5	0	5	(0)	0	0	0	0	(0)	1
2040	0.00%	0	7	0	5	0	5	(0)	0	0	0	0	(0)	1
2041	0.00%	0	7	0	5	0	5	(0)	0	0	0	0	(0)	1
2042	0.00%	0	7	0	6	0	6	(0)	0	0	0	0	(0)	0
2043	0.00%	0	7	0	6	0	6	(0)	0	0	0	0	(0)	0
2044	0.00%	0	7	0	6	0	6	(0)	0	0	0	0	(0)	0
2045	0.00%	0	7	0	6	0	6	(0)	0	0	0	0	(0)	0
2046	0.00%	0	7	0	7	0	6	(0)	0	0	0	0	(0)	0
2047	0.00%	0	7	0	7	0	6	(0)	0	0	0	0	(0)	0
2048	0.00%	0	7	0	7	0	7	(0)	0	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	0
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	0	0	7	0	(0)	7	7	7
2020	7.22%	0	0	7	0	0	7	7	7
2021	6.68%	0	0	6	1	0	7	6	6
2022	6.18%	0	0	6	1	0	6	6	6
2023	5.71%	0	0	6	1	0	6	6	6
2024	5.29%	0	0	6	1	0	6	5	5
2025	4.89%	0	0	5	2	0	5	5	5
2026	4.52%	0	0	5	2	0	5	5	5
2027	4.46%	0	0	5	2	0	5	4	5
2028	4.46%	0	0	5	2	0	4	4	4
2029	4.46%	0	0	4	3	0	4	4	4
2030	4.46%	0	0	4	3	1	4	4	4
2031	4.46%	0	0	4	3	1	4	3	4
2032	4.46%	0	0	4	3	1	3	3	3
2033	4.46%	0	0	4	4	1	3	3	3
2034	4.46%	0	0	3	4	1	3	3	3
2035	4.46%	0	0	3	4	1	3	2	2
2036	4.46%	0	0	3	4	1	2	2	2
2037	4.46%	0	0	3	4	1	2	2	2
2038	4.46%	0	0	2	5	1	2	2	2
2039	2.23%	0	(0)	2	5	1	2	1	1
2040	0.00%	0	(0)	2	5	1	1	1	1
2041	0.00%	0	(0)	2	5	1	1	1	1
2042	0.00%	0	(0)	1	6	1	1	1	1
2043	0.00%	0	(0)	1	6	0	1	1	1
2044	0.00%	0	(0)	1	6	0	1	1	1
2045	0.00%	0	(0)	1	6	0	1	0	1
2046	0.00%	0	(0)	0	7	0	0	0	0
2047	0.00%	0	(0)	0	7	0	0	0	0
2048	0.00%	0	(0)	0	7	0	0	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	5.84	3.71	0.00	1.00	1.00
2015	1	1	4.45	6.84	4.64	0.00	1.00	1.00
2016	1	1	4.92	11.05	5.15	0.00	1.00	1.00
2017	1	1	4.27	7.59	4.40	0.00	1.00	1.00
2018	1	1	5.27	10.84	5.44	0.00	1.00	1.00
2019	1	1	5.38	11.26	5.55	5.05	1.00	1.00
2020	1	1	5.65	12.44	5.83	5.04	1.00	1.00
2021	1	1	5.65	11.77	5.83	5.11	1.00	1.00
2022	1	1	5.60	10.60	5.76	5.07	1.00	1.00
2023	1	1	5.60	9.52	5.75	5.17	1.00	1.00
2024	1	1	5.81	9.46	5.96	5.46	1.00	1.00
2025	1	1	5.98	9.96	6.14	5.61	1.00	1.00
2026	1	1	5.73	8.77	5.87	5.73	1.00	1.00
2027	1	1	6.01	9.88	6.17	6.01	1.00	1.00
2028	1	1	6.07	8.87	6.22	6.10	1.00	1.00
2029	1	1	6.28	9.15	6.45	6.40	1.00	1.00
2030	1	1	6.34	8.92	6.49	6.40	1.00	1.00
2031	1	1	6.57	9.29	6.70	6.72	1.00	1.00
2032	1	1	6.62	8.36	6.72	6.79	1.00	1.00
2033	1	1	6.97	9.60	7.07	7.12	1.00	1.00
2034	1	1	7.05	8.86	7.14	7.32	1.00	1.00
2035	1	1	7.19	8.76	7.28	7.51	1.00	1.00
2036	1	1	7.47	9.31	7.55	7.70	1.00	1.00
2037	1	1	7.68	9.71	7.78	8.03	1.00	1.00
2038	1	1	7.94	9.88	8.03	8.32	1.00	1.00
2039	1	1	8.12	9.88	8.21	8.48	1.00	1.00
2040	1	1	8.35	10.20	8.44	8.85	1.00	1.00
2041	1	1	8.67	10.61	8.76	9.11	1.00	1.00
2042	1	1	8.99	11.24	9.08	9.45	1.00	1.00
2043	1	1	9.27	11.44	9.37	9.80	1.00	1.00
2044	1	1	9.60	11.96	9.70	10.24	1.00	1.00
2045	1	1	9.94	12.17	10.04	10.56	1.00	1.00
2046	1	1	10.25	12.22	10.34	10.91	1.00	1.00
2047	1	1	10.57	12.74	10.67	11.25	1.00	1.00
2048	1	1	11.00	13.60	11.11	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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 T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	1	0
2015	0	0	0	0	0	0	2	0
2016	0	0	0	0	0	0	4	0
2017	0	0	0	0	0	0	3	0
2018	0	0	0	0	0	0	4	0
2019	0	0	0	0	0	0	4	0
2020	0	0	0	0	0	0	4	0
2021	0	0	0	0	0	0	4	0
2022	0	0	0	0	0	0	4	0
2023	0	0	0	0	0	0	3	0
2024	0	0	0	0	0	0	3	0
2025	0	0	0	0	0	0	3	0
2026	0	0	0	0	0	0	3	0
2027	0	0	0	0	0	0	3	0
2028	0	0	0	0	0	0	3	0
2029	0	0	0	0	0	0	3	0
2030	0	0	0	0	0	0	3	0
2031	0	0	0	0	0	0	3	0
2032	0	0	0	0	0	0	3	0
2033	0	0	0	0	0	0	3	0
2034	0	0	0	0	0	0	3	0
2035	0	0	0	0	0	0	3	0
2036	0	0	0	0	0	0	3	0
2037	0	0	0	0	0	0	3	0
2038	0	0	0	0	0	0	3	0
2039	0	0	0	0	0	0	3	0
2040	0	0	0	0	0	0	3	0
2041	0	0	0	0	0	0	4	0
2042	0	0	0	0	0	0	4	0
2043	0	0	0	0	0	0	4	0
2044	0	0	0	0	0	0	4	0
2045	0	0	0	0	0	0	4	0
2046	0	0	0	0	0	0	4	0
2047	0	0	0	0	0	0	4	0
2048	0	0	0	0	0	0	5	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	4	1	5	0	1	1	118	0
NPV	2	0	2	0	0	0	42	0

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

AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	0	0	0	0
2023	0	0	0	0	0
2024	0	1	0	0	0
2025	0	1	0	0	0
2026	0	1	0	0	0
2027	1	1	0	0	0
2028	1	1	0	0	0
2029	1	1	0	0	0
2030	1	1	1	0	0
2031	1	1	1	0	0
2032	1	1	1	0	0
2033	1	1	1	0	0
2034	1	1	1	0	0
2035	1	1	1	0	0
2036	1	2	1	0	0
2037	1	2	1	0	1
2038	1	2	1	0	1
2039	1	2	1	0	1
2040	2	2	1	0	1
2041	2	2	1	0	1
2042	2	2	1	0	1
2043	2	3	1	0	1
2044	2	3	2	0	1
2045	2	3	2	0	1
2046	2	3	2	0	1
2047	3	3	2	0	1
2048	3	4	2	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	33	44	25	0	14
NPV	6	8	4	0	3

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	9	0	9	0	0	1	0	1	(8)	(8)
2015	0	0	0	0	0	0	0	2	0	3	3	(5)
2016	0	0	0	0	0	0	0	4	0	4	4	(2)
2017	0	0	0	0	0	0	0	3	0	3	3	0
2018	0	0	0	0	0	0	0	4	0	4	4	3
2019	0	0	0	0	0	1	0	4	0	5	5	7
2020	0	0	0	0	0	1	0	4	0	6	6	10
2021	0	0	0	0	0	1	0	4	0	5	5	14
2022	0	0	0	0	0	1	0	4	0	5	5	16
2023	0	0	0	0	0	1	0	3	0	5	5	19
2024	0	0	11	0	11	1	0	3	0	5	(7)	16
2025	0	0	0	0	0	1	0	3	0	5	5	18
2026	0	0	0	0	0	1	0	3	0	5	5	20
2027	0	0	0	0	0	1	0	3	0	5	5	22
2028	0	0	0	0	0	1	0	3	0	5	5	23
2029	0	0	0	0	0	1	0	3	0	5	5	25
2030	0	0	0	0	0	1	0	3	0	5	5	27
2031	0	0	0	0	0	1	0	3	0	5	5	28
2032	0	0	0	0	0	1	0	3	0	5	5	29
2033	0	0	0	0	0	1	0	3	0	5	5	30
2034	0	0	15	0	15	1	0	3	0	5	(10)	28
2035	0	0	0	0	0	1	0	3	0	5	5	29
2036	0	0	0	0	0	1	0	3	0	5	5	30
2037	0	0	0	0	0	1	0	3	1	5	5	31
2038	0	0	0	0	0	1	0	3	1	5	5	32
2039	0	0	0	0	0	1	0	3	1	5	5	33
2040	0	0	0	0	0	1	0	3	1	5	5	34
2041	0	0	0	0	0	1	0	4	1	6	6	35
2042	0	0	0	0	0	1	0	4	1	6	6	35
2043	0	0	0	0	0	1	0	4	1	6	6	36
2044	0	0	19	0	19	1	0	4	1	6	(12)	35
2045	0	0	0	0	0	1	0	4	1	6	6	35
2046	0	0	0	0	0	1	0	4	1	7	7	36
2047	0	0	0	0	0	1	0	4	1	7	7	37
2048	0	0	0	0	0	1	0	5	1	7	7	37
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	0	53	0	53	36	6	118	14	174	121	
NPV	0	0	20	0	20	10	3	42	3	57	37	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.97

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	1	0	1	0	2	9	0	0	9	(6)	(6)
2015	2	0	0	0	2	0	0	0	0	2	(4)
2016	2	0	0	0	2	0	0	0	0	2	(2)
2017	3	0	0	0	3	0	0	0	0	3	(0)
2018	3	0	0	0	3	0	0	0	0	3	2
2019	3	0	0	0	3	0	0	0	0	3	4
2020	3	0	0	0	3	0	0	0	0	3	6
2021	3	0	0	0	3	0	0	0	0	3	8
2022	3	0	0	0	3	0	0	0	0	3	10
2023	3	0	0	0	3	0	0	0	0	3	11
2024	3	0	1	0	4	11	0	0	11	(7)	8
2025	3	0	0	0	3	0	0	0	0	3	9
2026	3	0	0	0	3	0	0	0	0	3	11
2027	3	0	0	0	3	0	0	0	0	3	12
2028	3	0	0	0	3	0	0	0	0	3	13
2029	4	0	0	0	4	0	0	0	0	4	15
2030	4	0	0	0	4	0	0	0	0	4	16
2031	4	0	0	0	4	0	0	0	0	4	17
2032	4	0	0	0	4	0	0	0	0	4	18
2033	4	0	0	0	4	0	0	0	0	4	19
2034	4	0	1	0	6	15	0	0	15	(9)	17
2035	4	0	0	0	4	0	0	0	0	4	18
2036	5	0	0	0	5	0	0	0	0	5	19
2037	5	0	0	0	5	0	0	0	0	5	20
2038	5	0	0	0	5	0	0	0	0	5	20
2039	5	0	0	0	5	0	0	0	0	5	21
2040	5	0	0	0	5	0	0	0	0	5	22
2041	6	0	0	0	6	0	0	0	0	6	23
2042	6	0	0	0	6	0	0	0	0	6	24
2043	6	0	0	0	6	0	0	0	0	6	24
2044	6	0	1	0	8	19	0	0	19	(11)	23
2045	7	0	0	0	7	0	0	0	0	7	24
2046	7	0	0	0	7	0	0	0	0	7	25
2047	7	0	0	0	7	0	0	0	0	7	25
2048	7	0	0	0	7	0	0	0	0	7	26
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	148	0	5	0	153	53	0	0	53	100	
NPV	43	0	2	0	46	20	0	0	20	26	

In Service of Gen Unit:  
Discount Rate: 2019  
7.54 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 2.30

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) OTHER COSTS \$(000)	(7) TOTAL COSTS \$(000)	(8) AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	(9) AVOIDED T&D BENEFITS \$(000)	(10) REVENUE GAINS \$(000)	(11) OTHER BENEFITS \$(000)	(12) TOTAL BENEFITS \$(000)	(13) NET BENEFITS \$(000)	(14) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	1	1	0	2	1	0	0	0	1	(1)	(1)
2015	0	0	0	2	0	2	2	0	0	0	3	0	(1)
2016	0	0	0	2	0	2	4	0	0	0	4	2	0
2017	0	0	0	3	0	3	3	0	0	0	3	0	0
2018	0	0	0	3	0	3	4	0	0	0	4	1	1
2019	0	0	0	3	0	3	5	0	0	0	5	2	3
2020	0	0	0	3	0	3	5	0	0	0	6	3	5
2021	0	0	0	3	0	3	5	0	0	0	5	2	6
2022	0	0	0	3	0	3	5	0	0	0	5	2	7
2023	0	0	0	3	0	3	4	0	0	0	5	2	8
2024	0	0	1	3	0	4	4	0	0	0	5	0	8
2025	0	0	0	3	0	3	5	0	0	0	5	2	9
2026	0	0	0	3	0	3	4	0	0	0	5	1	9
2027	0	0	0	3	0	3	5	0	0	0	5	1	10
2028	0	0	0	3	0	3	4	0	0	0	5	1	10
2029	0	0	0	4	0	4	4	0	0	0	5	1	11
2030	0	0	0	4	0	4	4	0	0	0	5	1	11
2031	0	0	0	4	0	4	4	0	0	0	5	1	11
2032	0	0	0	4	0	4	4	0	0	0	5	1	11
2033	0	0	0	4	0	4	4	0	0	0	5	1	12
2034	0	0	1	4	0	6	4	0	0	0	5	(1)	11
2035	0	0	0	4	0	4	4	0	0	0	5	0	11
2036	0	0	0	5	0	5	4	0	0	0	5	0	11
2037	0	0	0	5	0	5	4	0	0	1	5	0	12
2038	0	0	0	5	0	5	4	0	0	1	5	0	12
2039	0	0	0	5	0	5	5	0	0	1	5	0	12
2040	0	0	0	5	0	5	5	0	0	1	5	0	12
2041	0	0	0	6	0	6	5	0	0	1	6	0	12
2042	0	0	0	6	0	6	5	0	0	1	6	0	12
2043	0	0	0	6	0	6	5	0	0	1	6	(0)	12
2044	0	0	1	6	0	8	5	0	0	1	6	(1)	11
2045	0	0	0	7	0	7	5	0	0	1	6	(0)	11
2046	0	0	0	7	0	7	5	0	0	1	7	(0)	11
2047	0	0	0	7	0	7	6	0	0	1	7	(0)	11
2048	0	0	0	7	0	7	6	0	0	1	7	(0)	11
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	0	5	148	0	153	154	6	0	14	174	21	
NPV	0	0	2	43	0	46	52	3	0	3	57	11	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.25



I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	16.78 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	22.06994 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	124,571.48 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

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 .....	7.54 %
* (11) UTILITY AFUDC RATE.....	6.50 %
* (12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
* (13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
* (14) UTILITY REBATE/INCENTIVE 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

IV. AVOIDED GENERATOR AND T&D COSTS

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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 .....	*** %



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	21	0	0	1	1	0	0	1	0	4	4	20
2020	20	0	0	1	0	0	0	1	0	4	3	21
2021	19	0	0	1	1	0	0	1	0	3	3	21
2022	18	0	0	1	1	0	0	1	0	3	3	22
2023	17	0	0	1	1	0	0	1	0	3	2	23
2024	16	0	0	1	1	0	0	1	0	3	2	23
2025	15	0	0	1	0	0	0	1	0	3	2	24
2026	15	0	0	1	0	0	0	1	0	3	2	24
2027	14	0	0	1	0	0	0	1	0	3	1	25
2028	13	0	0	1	0	0	0	1	0	3	1	25
2029	12	0	0	1	0	0	0	1	0	2	1	26
2030	11	0	0	1	0	0	0	1	0	2	1	27
2031	11	0	0	1	0	0	0	1	0	2	1	27
2032	10	0	0	1	0	0	0	1	0	2	1	28
2033	9	0	0	1	0	0	0	1	0	2	1	29
2034	8	0	0	1	0	0	0	1	0	2	1	30
2035	8	0	0	0	0	0	0	1	0	2	1	30
2036	7	0	0	0	0	0	0	1	0	2	0	31
2037	6	0	0	0	0	0	0	1	0	2	0	32
2038	5	0	0	0	0	0	0	1	0	1	0	33
2039	4	0	0	0	0	0	0	1	(0)	1	0	33
2040	4	0	0	0	0	0	0	1	(0)	1	0	34
2041	3	0	0	0	0	0	0	1	(0)	1	0	35
2042	3	0	0	0	0	0	0	1	(0)	1	0	36
2043	3	0	0	0	0	0	0	1	(0)	1	0	37
2044	2	0	0	0	0	0	0	1	(0)	1	0	38
2045	2	0	0	0	0	0	0	1	(0)	1	0	39
2046	1	0	0	0	0	0	0	1	(0)	1	0	40
2047	1	0	0	0	0	0	0	1	(0)	1	0	41
2048	0	0	0	0	0	(0)	0	1	(0)	1	0	42

IN SERVICE COST (\$000)	20
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	1	2	1	1	1	1	0	1	0	0	0	0	0
2021	6.68%	1	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	6	1	3	1	3	0	1	0	0	0	0	1
2024	5.29%	1	7	1	4	1	4	0	1	0	0	0	0	1
2025	4.89%	1	8	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	9	1	5	1	5	0	1	0	0	0	0	1
2027	4.46%	1	10	1	6	1	6	0	1	0	0	0	0	1
2028	4.46%	1	11	1	7	1	6	0	1	0	0	0	0	1
2029	4.46%	1	12	1	7	1	7	0	1	0	0	0	0	1
2030	4.46%	1	12	1	8	1	8	0	1	0	0	0	0	2
2031	4.46%	1	13	1	9	1	8	0	1	0	0	0	0	2
2032	4.46%	1	14	1	10	1	9	0	1	0	0	0	0	2
2033	4.46%	1	15	1	10	1	10	0	1	0	0	0	0	2
2034	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2035	4.46%	1	17	1	12	1	11	0	1	0	0	0	0	2
2036	4.46%	1	18	1	12	1	12	0	1	0	0	0	0	2
2037	4.46%	1	19	1	13	1	12	0	1	0	0	0	0	2
2038	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2039	2.23%	0	20	1	14	1	14	(0)	1	0	0	0	(0)	2
2040	0.00%	0	20	1	15	1	14	(0)	1	0	0	0	(0)	2
2041	0.00%	0	20	1	16	1	15	(0)	1	0	0	0	(0)	2
2042	0.00%	0	20	1	16	1	15	(0)	1	0	0	0	(0)	1
2043	0.00%	0	20	1	17	1	16	(0)	1	0	0	0	(0)	1
2044	0.00%	0	20	1	18	1	17	(0)	1	0	0	0	(0)	1
2045	0.00%	0	20	1	18	1	17	(0)	1	0	0	0	(0)	1
2046	0.00%	0	20	1	19	1	18	(0)	1	0	0	0	(0)	0
2047	0.00%	0	20	1	20	1	19	(0)	1	0	0	0	(0)	0
2048	0.00%	0	20	1	20	1	19	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	1	0	20	1	(0)	21	20	20
2020	7.22%	1	0	19	1	0	20	19	19
2021	6.68%	1	0	18	2	0	19	18	19
2022	6.18%	1	0	18	3	1	18	17	18
2023	5.71%	1	0	17	3	1	17	16	17
2024	5.29%	1	0	16	4	1	16	15	16
2025	4.89%	1	0	16	5	1	15	15	15
2026	4.52%	1	0	15	5	1	15	14	14
2027	4.46%	1	0	14	6	1	14	13	13
2028	4.46%	1	0	14	7	1	13	12	13
2029	4.46%	1	0	13	7	1	12	11	12
2030	4.46%	1	0	12	8	2	11	11	11
2031	4.46%	1	0	12	9	2	11	10	10
2032	4.46%	1	0	11	10	2	10	9	10
2033	4.46%	1	0	10	10	2	9	8	9
2034	4.46%	1	0	10	11	2	8	8	8
2035	4.46%	1	0	9	12	2	8	7	7
2036	4.46%	1	0	8	12	2	7	6	6
2037	4.46%	1	0	7	13	2	6	5	5
2038	4.46%	1	0	7	14	2	5	4	4
2039	2.23%	0	(0)	6	14	2	4	4	4
2040	0.00%	0	(0)	5	15	2	4	3	4
2041	0.00%	0	(0)	5	16	2	3	3	3
2042	0.00%	0	(0)	4	16	1	3	3	3
2043	0.00%	0	(0)	3	17	1	3	2	2
2044	0.00%	0	(0)	3	18	1	2	2	2
2045	0.00%	0	(0)	2	18	1	2	1	2
2046	0.00%	0	(0)	1	19	0	1	1	1
2047	0.00%	0	(0)	1	20	0	1	0	1
2048	0.00%	0	(0)	(0)	20	0	0	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	6.76	3.65	0.00	1.00	1.00
2015	1	1	4.45	7.10	4.53	0.00	1.00	1.00
2016	1	1	4.92	11.88	5.02	0.00	1.00	1.00
2017	1	1	4.27	9.26	4.33	0.00	1.00	1.00
2018	1	1	5.27	13.39	5.35	0.00	1.00	1.00
2019	1	1	5.38	14.85	5.46	5.05	1.00	1.00
2020	1	1	5.65	14.17	5.73	5.04	1.00	1.00
2021	1	1	5.65	13.92	5.73	5.11	1.00	1.00
2022	1	1	5.60	13.97	5.67	5.07	1.00	1.00
2023	1	1	5.60	12.60	5.67	5.17	1.00	1.00
2024	1	1	5.81	12.22	5.88	5.46	1.00	1.00
2025	1	1	5.98	13.12	6.05	5.61	1.00	1.00
2026	1	1	5.73	10.77	5.79	5.73	1.00	1.00
2027	1	1	6.01	13.04	6.09	6.01	1.00	1.00
2028	1	1	6.07	11.21	6.15	6.10	1.00	1.00
2029	1	1	6.28	10.94	6.36	6.40	1.00	1.00
2030	1	1	6.34	10.60	6.41	6.40	1.00	1.00
2031	1	1	6.57	11.39	6.63	6.72	1.00	1.00
2032	1	1	6.62	9.45	6.67	6.79	1.00	1.00
2033	1	1	6.97	11.59	7.01	7.12	1.00	1.00
2034	1	1	7.05	9.87	7.09	7.32	1.00	1.00
2035	1	1	7.19	9.46	7.23	7.51	1.00	1.00
2036	1	1	7.47	10.30	7.51	7.70	1.00	1.00
2037	1	1	7.68	10.79	7.72	8.03	1.00	1.00
2038	1	1	7.94	10.77	7.98	8.32	1.00	1.00
2039	1	1	8.12	10.50	8.16	8.48	1.00	1.00
2040	1	1	8.35	10.78	8.38	8.85	1.00	1.00
2041	1	1	8.67	11.26	8.70	9.11	1.00	1.00
2042	1	1	8.99	12.15	9.03	9.45	1.00	1.00
2043	1	1	9.27	12.18	9.31	9.80	1.00	1.00
2044	1	1	9.60	12.81	9.64	10.24	1.00	1.00
2045	1	1	9.94	12.82	9.99	10.56	1.00	1.00
2046	1	1	10.25	12.54	10.29	10.91	1.00	1.00
2047	1	1	10.57	13.13	10.61	11.25	1.00	1.00
2048	1	1	11.00	14.36	11.05	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: \_\_\_\_\_

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	1	0	4	5	4
2020	4	1	0	7	9	3
2021	3	2	0	8	9	3
2022	3	2	0	8	9	3
2023	3	2	0	8	10	4
2024	3	2	0	9	10	3
2025	3	2	0	9	10	3
2026	3	2	0	9	10	4
2027	3	2	0	9	10	3
2028	3	2	0	10	10	4
2029	2	2	0	10	11	3
2030	2	2	0	10	11	4
2031	2	2	0	11	12	3
2032	2	2	0	11	12	4
2033	2	2	0	11	12	3
2034	2	2	0	12	13	3
2035	2	2	0	12	13	3
2036	2	2	0	13	13	3
2037	2	2	0	13	14	3
2038	1	2	0	14	14	3
2039	1	2	0	14	15	4
2040	1	2	0	15	15	3
2041	1	3	0	15	16	3
2042	1	3	0	16	16	4
2043	1	3	0	16	17	3
2044	1	3	0	17	18	3
2045	1	3	0	18	18	3
2046	1	3	0	19	19	4
2047	1	3	0	19	20	4
2048	1	3	0	20	20	4
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	61	64	6	366	393	104
NPV	23	17	1	88	98	30





AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2)	(3)	(4)	(5)	(6)
	AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	REPLACEMENT EMISSION COST \$(000)	PROGRAM EMISSION BENEFIT \$(000)	OFF-PEAK EMISSION PAYBACK COST \$(000)	NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	1	1	1	0	0
2023	1	1	1	0	1
2024	1	2	1	0	1
2025	1	2	1	0	1
2026	1	2	1	0	1
2027	1	2	1	0	1
2028	2	2	2	0	1
2029	2	2	2	0	1
2030	2	3	2	0	1
2031	2	3	2	0	1
2032	2	3	2	0	2
2033	3	3	2	0	2
2034	3	4	3	0	2
2035	3	4	3	0	2
2036	3	4	3	0	2
2037	4	5	3	0	2
2038	4	5	4	0	2
2039	4	6	4	0	3
2040	5	6	4	0	3
2041	5	6	5	0	3
2042	5	7	5	0	3
2043	6	8	5	0	4
2044	6	8	6	0	4
2045	7	9	6	0	4
2046	7	9	7	0	4
2047	7	10	7	0	5
2048	8	10	7	0	5
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	96	126	91	0	61
NPV	17	23	16	0	11



PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	4	0	3	0	8	37	0	0	37	(29)	(29)
2015	8	0	0	0	8	0	0	0	0	8	(22)
2016	8	0	0	0	8	0	0	0	0	8	(15)
2017	8	0	0	0	8	0	0	0	0	8	(8)
2018	9	0	0	0	9	0	0	0	0	9	(1)
2019	10	0	0	0	10	0	0	0	0	10	5
2020	10	0	0	0	10	0	0	0	0	10	12
2021	10	0	0	0	10	0	0	0	0	10	18
2022	11	0	0	0	11	0	0	0	0	11	24
2023	11	0	0	0	11	0	0	0	0	11	29
2024	11	0	3	0	14	48	0	0	48	(33)	13
2025	11	0	0	0	11	0	0	0	0	11	18
2026	11	0	0	0	11	0	0	0	0	11	23
2027	12	0	0	0	12	0	0	0	0	12	28
2028	12	0	0	0	12	0	0	0	0	12	32
2029	12	0	0	0	12	0	0	0	0	12	36
2030	12	0	0	0	12	0	0	0	0	12	40
2031	13	0	0	0	13	0	0	0	0	13	44
2032	13	0	0	0	13	0	0	0	0	13	47
2033	14	0	0	0	14	0	0	0	0	14	51
2034	15	0	3	0	18	61	0	0	61	(43)	41
2035	15	0	0	0	15	0	0	0	0	15	44
2036	16	0	0	0	16	0	0	0	0	16	47
2037	17	0	0	0	17	0	0	0	0	17	51
2038	17	0	0	0	17	0	0	0	0	17	54
2039	18	0	0	0	18	0	0	0	0	18	57
2040	18	0	0	0	18	0	0	0	0	18	59
2041	19	0	0	0	19	0	0	0	0	19	62
2042	20	0	0	0	20	0	0	0	0	20	65
2043	21	0	0	0	21	0	0	0	0	21	67
2044	22	0	3	0	25	78	0	0	78	(53)	61
2045	23	0	0	0	23	0	0	0	0	23	64
2046	24	0	0	0	24	0	0	0	0	24	66
2047	25	0	0	0	25	0	0	0	0	25	68
2048	26	0	0	0	26	0	0	0	0	26	70
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	507	0	14	0	521	223	0	0	223	297	
NPV	147	0	6	0	154	83	0	0	83	70	

In Service of Gen Unit: 2019  
Discount Rate : 7.54 %  
Benefit/Cost Ratio ( Col(6) / Col(10) ) 1.85

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	3	4	0	8	4	0	0	0	4	(4)	(4)
2015	0	0	0	8	0	8	9	1	0	0	10	2	(2)
2016	0	0	0	8	0	8	15	1	0	0	16	7	4
2017	0	0	0	8	0	8	12	1	0	0	12	4	7
2018	0	0	0	9	0	9	17	1	0	0	17	8	14
2019	0	0	0	10	0	10	22	1	0	0	23	13	23
2020	0	0	0	10	0	10	21	1	0	0	22	12	30
2021	0	0	0	10	0	10	21	1	0	0	21	11	37
2022	0	0	0	11	0	11	21	1	0	0	22	11	43
2023	0	0	0	11	0	11	19	1	0	1	20	10	48
2024	0	0	3	11	0	15	19	1	0	1	20	5	51
2025	0	0	0	11	0	11	20	1	0	1	21	10	55
2026	0	0	0	11	0	11	17	1	0	1	18	7	58
2027	0	0	0	12	0	12	20	1	0	1	21	10	62
2028	0	0	0	12	0	12	18	1	0	1	19	7	65
2029	0	0	0	12	0	12	17	1	0	1	19	7	67
2030	0	0	0	12	0	12	17	1	0	1	18	6	69
2031	0	0	0	13	0	13	18	0	0	1	19	7	71
2032	0	0	0	13	0	13	15	0	0	2	17	4	72
2033	0	0	0	14	0	14	18	0	0	2	20	6	73
2034	0	0	3	15	0	19	16	0	0	2	18	(1)	73
2035	0	0	0	15	0	15	15	0	0	2	18	2	74
2036	0	0	0	16	0	16	16	0	0	2	19	3	74
2037	0	0	0	17	0	17	17	0	0	2	20	3	75
2038	0	0	0	17	0	17	17	0	0	2	20	2	75
2039	0	0	0	18	0	18	17	0	0	3	20	2	75
2040	0	0	0	18	0	18	17	0	0	3	20	2	76
2041	0	0	0	19	0	19	17	0	0	3	21	2	76
2042	0	0	0	20	0	20	19	0	0	3	22	3	76
2043	0	0	0	21	0	21	19	0	0	4	23	2	76
2044	0	0	3	22	0	26	19	0	0	4	24	(2)	76
2045	0	0	0	23	0	23	19	0	0	4	24	1	76
2046	0	0	0	24	0	24	19	0	0	4	24	0	76
2047	0	0	0	25	0	25	20	0	0	5	25	0	76
2048	0	0	0	26	0	26	21	0	0	5	27	1	76
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	14	507	0	522	605	18	0	61	684	162	
NPV	0	0	6	147	0	154	212	7	0	11	230	76	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.50

A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	36.55 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	48,05972 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	183,511.68 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	8	0	8	4	2	54	0	54	
2016	0	0	0	0	9	5	0	0	0	
2017	0	0	0	0	9	5	0	0	0	
2018	0	0	0	0	10	5	0	0	0	
2019	0	0	0	0	11	6	0	0	0	
2020	0	0	0	0	11	6	0	0	0	
2021	0	0	0	0	11	6	0	0	0	
2022	0	0	0	0	12	6	0	0	0	
2023	0	0	0	0	13	6	0	0	0	
2024	0	0	0	0	13	6	0	0	0	
2025	0	8	0	8	13	6	69	0	69	
2026	0	0	0	0	14	5	0	0	0	
2027	0	0	0	0	14	5	0	0	0	
2028	0	0	0	0	14	5	0	0	0	
2029	0	0	0	0	15	6	0	0	0	
2030	0	0	0	0	15	6	0	0	0	
2031	0	0	0	0	16	6	0	0	0	
2032	0	0	0	0	16	6	0	0	0	
2033	0	0	0	0	18	6	0	0	0	
2034	0	0	0	0	18	6	0	0	0	
2035	0	8	0	8	19	6	88	0	88	
2036	0	0	0	0	21	6	0	0	0	
2037	0	0	0	0	21	6	0	0	0	
2038	0	0	0	0	22	6	0	0	0	
2039	0	0	0	0	23	6	0	0	0	
2040	0	0	0	0	24	6	0	0	0	
2041	0	0	0	0	25	6	0	0	0	
2042	0	0	0	0	26	6	0	0	0	
2043	0	0	0	0	28	6	0	0	0	
2044	0	0	0	0	29	6	0	0	0	
2045	1	8	0	8	30	6	113	0	113	
2046	0	0	0	0	32	7	0	0	0	
2047	0	0	0	0	33	7	0	0	0	
2048	0	0	0	0	35	7	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	2	30	0	32	623	197	325	0	325	
NPV	1	13	0	13	167	66	113	0	113	

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	45	1	0	3	2	1	0	1	0	8	8	44
2020	43	1	0	3	1	1	0	1	1	8	7	45
2021	41	1	0	3	1	1	0	1	1	7	6	47
2022	39	1	0	2	1	1	0	1	1	7	6	48
2023	37	1	0	2	1	1	0	1	0	7	5	49
2024	35	1	0	2	1	1	0	1	0	7	5	50
2025	33	1	0	2	1	1	0	1	0	6	4	51
2026	32	1	0	2	1	1	0	1	0	6	4	53
2027	30	1	0	2	1	1	0	1	0	6	3	54
2028	28	1	0	2	1	1	0	1	0	6	3	55
2029	27	1	0	2	1	1	0	1	0	5	3	57
2030	25	1	0	2	1	0	0	1	0	5	2	58
2031	23	0	0	1	1	0	0	1	0	5	2	60
2032	22	0	0	1	1	0	0	1	0	5	2	61
2033	20	0	0	1	1	0	0	1	0	4	2	63
2034	18	0	0	1	1	0	0	1	0	4	1	64
2035	17	0	0	1	0	0	0	1	0	4	1	66
2036	15	0	0	1	0	0	0	1	0	4	1	68
2037	13	0	0	1	0	0	0	1	0	3	1	69
2038	11	0	0	1	0	0	0	1	0	3	1	71
2039	10	0	0	1	1	0	0	1	(0)	3	1	73
2040	8	0	0	1	1	0	0	1	(1)	3	1	75
2041	8	0	0	0	1	0	0	1	(1)	3	1	76
2042	7	0	0	0	1	0	0	1	(1)	3	0	78
2043	6	0	0	0	1	0	0	1	(1)	2	0	80
2044	5	0	0	0	1	0	0	1	(1)	2	0	82
2045	4	0	0	0	1	0	0	1	(1)	2	0	84
2046	3	0	0	0	1	0	0	1	(1)	2	0	86
2047	2	0	0	0	1	0	0	1	(1)	2	0	89
2048	1	0	0	0	1	0	0	1	(1)	2	0	91

IN SERVICE COST (\$000)	44
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	2	2	1	1	1	1	0	2	0	0	0	0	(1)
2020	7.22%	3	5	1	3	1	3	1	2	0	0	0	1	0
2021	6.68%	3	8	1	4	1	4	1	2	0	0	0	1	1
2022	6.18%	3	10	1	6	1	6	1	2	0	0	0	1	1
2023	5.71%	2	13	1	7	1	7	0	2	0	0	0	0	2
2024	5.29%	2	15	1	9	1	8	0	2	0	0	0	0	2
2025	4.89%	2	17	1	10	1	10	0	2	0	0	0	0	2
2026	4.52%	2	19	1	12	1	11	0	2	0	0	0	0	3
2027	4.46%	2	21	1	13	1	13	0	2	0	0	0	0	3
2028	4.46%	2	23	1	15	1	14	0	2	0	0	0	0	3
2029	4.46%	2	25	1	16	1	15	0	2	0	0	0	0	3
2030	4.46%	2	27	1	18	1	17	0	2	0	0	0	0	3
2031	4.46%	2	29	1	19	1	18	0	2	0	0	0	0	4
2032	4.46%	2	31	1	21	1	20	0	2	0	0	0	0	4
2033	4.46%	2	33	1	22	1	21	0	2	0	0	0	0	4
2034	4.46%	2	35	1	24	1	22	0	2	0	0	0	0	4
2035	4.46%	2	37	1	25	1	24	0	2	0	0	0	0	4
2036	4.46%	2	39	1	27	1	25	0	2	0	0	0	0	5
2037	4.46%	2	41	1	28	1	27	0	2	0	0	0	0	5
2038	4.46%	2	43	1	30	1	28	0	2	0	0	0	0	5
2039	2.23%	1	44	1	31	1	29	(0)	2	0	0	0	(0)	5
2040	0.00%	0	44	1	33	1	31	(1)	2	0	0	0	(1)	4
2041	0.00%	0	44	1	34	1	32	(1)	2	0	0	0	(1)	4
2042	0.00%	0	44	1	35	1	34	(1)	2	0	0	0	(1)	3
2043	0.00%	0	44	1	37	1	35	(1)	2	0	0	0	(1)	3
2044	0.00%	0	44	1	38	1	36	(1)	2	0	0	0	(1)	2
2045	0.00%	0	44	1	40	1	38	(1)	2	0	0	0	(1)	2
2046	0.00%	0	44	1	41	1	39	(1)	2	0	0	0	(1)	1
2047	0.00%	0	44	1	43	1	41	(1)	2	0	0	0	(1)	1
2048	0.00%	0	44	1	44	1	42	(1)	2	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	2	0	43	1	(1)	45	43	44
2020	7.22%	3	1	41	3	0	43	41	42
2021	6.68%	3	1	40	4	1	41	39	40
2022	6.18%	3	1	38	6	1	39	37	38
2023	5.71%	2	0	37	7	2	37	35	36
2024	5.29%	2	0	35	9	2	35	33	34
2025	4.89%	2	0	34	10	2	33	32	33
2026	4.52%	2	0	33	12	3	32	30	31
2027	4.46%	2	0	31	13	3	30	28	29
2028	4.46%	2	0	30	15	3	28	27	27
2029	4.46%	2	0	28	16	3	27	25	26
2030	4.46%	2	0	27	18	3	25	23	24
2031	4.46%	2	0	25	19	4	23	22	22
2032	4.46%	2	0	24	21	4	22	20	21
2033	4.46%	2	0	22	22	4	20	18	19
2034	4.46%	2	0	21	24	4	18	17	17
2035	4.46%	2	0	19	25	4	17	15	16
2036	4.46%	2	0	18	27	5	15	13	14
2037	4.46%	2	0	16	28	5	13	11	12
2038	4.46%	2	0	15	30	5	11	10	11
2039	2.23%	1	(0)	13	31	5	10	8	9
2040	0.00%	0	(1)	12	33	4	8	8	8
2041	0.00%	0	(1)	10	34	4	8	7	7
2042	0.00%	0	(1)	9	35	3	7	6	6
2043	0.00%	0	(1)	7	37	3	6	5	5
2044	0.00%	0	(1)	6	38	2	5	4	4
2045	0.00%	0	(1)	4	40	2	4	3	3
2046	0.00%	0	(1)	3	41	1	3	2	2
2047	0.00%	0	(1)	1	43	1	2	1	1
2048	0.00%	0	(1)	0	44	0	1	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	8	3	0	9	12	8
2020	8	3	0	16	20	7
2021	7	3	0	16	21	7
2022	7	3	0	17	20	7
2023	7	4	0	18	21	8
2024	7	4	0	19	22	7
2025	6	4	0	19	22	7
2026	6	4	0	19	22	8
2027	6	4	0	20	22	7
2028	6	4	0	21	23	8
2029	5	4	0	22	24	7
2030	5	4	0	22	24	8
2031	5	4	0	23	25	7
2032	5	4	0	24	26	8
2033	4	4	0	25	27	7
2034	4	5	0	26	28	7
2035	4	5	0	27	28	7
2036	4	5	0	28	29	8
2037	3	5	0	29	30	7
2038	3	5	0	30	31	7
2039	3	5	0	31	32	8
2040	3	5	0	32	33	7
2041	3	5	0	33	34	7
2042	3	6	0	35	36	8
2043	2	6	0	36	37	8
2044	2	6	1	37	39	7
2045	2	6	1	39	40	8
2046	2	6	1	40	41	8
2047	2	6	1	42	43	8
2048	2	6	1	43	44	8
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	133	139	12	798	857	225
NPV	49	36	3	192	214	66

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ

A

PROGRAM NAME: ██████████

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	8	0
2016	1	0	1	0	0	0	25	0
2017	1	0	1	0	0	0	21	0
2018	1	0	1	0	0	0	28	0
2019	1	0	1	0	0	0	39	0
2020	1	0	1	0	0	0	36	0
2021	1	0	1	0	0	0	34	0
2022	1	0	1	0	0	0	31	0
2023	1	0	1	0	0	0	32	0
2024	1	0	1	0	0	0	28	0
2025	1	0	1	0	0	0	35	0
2026	1	0	1	0	0	0	33	0
2027	1	0	1	0	0	0	31	0
2028	1	0	1	0	0	0	35	0
2029	1	0	1	0	0	0	27	0
2030	1	0	1	0	0	0	32	0
2031	1	0	1	0	0	0	33	0
2032	1	0	1	0	0	0	24	0
2033	1	0	1	0	0	0	34	0
2034	1	0	1	0	0	0	25	0
2035	1	0	1	0	0	0	22	0
2036	1	0	1	0	0	0	26	0
2037	1	0	1	0	0	0	27	0
2038	1	0	1	0	0	0	25	0
2039	1	0	1	0	0	0	24	0
2040	0	0	1	0	0	0	24	0
2041	0	0	1	0	0	0	25	0
2042	0	0	1	0	0	0	29	0
2043	0	0	1	0	0	0	27	0
2044	0	0	1	0	0	0	29	0
2045	0	0	1	0	0	0	28	0
2046	0	0	1	0	0	0	25	0
2047	0	0	1	0	0	0	26	0
2048	0	0	1	0	0	0	32	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	23	9	32	3	5	7	958	0
NPV	10	3	13	1	1	3	341	0

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

AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	2	1	0	0
2023	2	3	1	0	1
2024	3	3	2	0	1
2025	3	4	2	0	1
2026	3	4	2	0	1
2027	3	4	2	0	1
2028	3	5	2	0	1
2029	4	5	3	0	1
2030	4	6	3	0	1
2031	5	6	3	0	2
2032	5	7	3	0	2
2033	6	7	4	0	2
2034	6	8	4	0	2
2035	7	9	4	0	2
2036	7	10	5	0	2
2037	8	10	5	0	3
2038	9	11	5	0	3
2039	9	12	6	0	3
2040	10	13	6	0	3
2041	11	14	7	0	4
2042	12	15	7	0	4
2043	12	16	8	0	4
2044	13	18	9	0	4
2045	14	19	9	0	5
2046	15	20	10	0	5
2047	16	21	10	0	5
2048	17	23	11	0	6
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	210	275	134	0	69
NPV	38	49	24	0	12

TOTAL RESOURCE COST TEST  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	54	0	54	0	0	8	0	8	(46)	(43)
2016	0	0	0	0	0	0	2	25	0	27	27	(20)
2017	0	0	0	0	0	0	2	21	0	23	23	(2)
2018	0	0	0	0	0	0	2	28	0	29	29	20
2019	0	0	0	0	0	8	2	39	0	49	49	55
2020	0	0	0	0	0	7	2	36	0	45	45	84
2021	0	0	0	0	0	7	1	34	0	42	42	109
2022	0	0	0	0	0	7	1	31	0	41	41	132
2023	0	0	0	0	0	8	1	32	1	41	41	153
2024	0	0	0	0	0	7	1	28	1	37	37	171
2025	0	0	69	0	69	7	1	35	1	45	(25)	160
2026	0	0	0	0	0	8	1	33	1	43	43	178
2027	0	0	0	0	0	7	1	31	1	40	40	194
2028	0	0	0	0	0	8	1	35	1	45	45	210
2029	0	0	0	0	0	7	1	27	1	37	37	223
2030	0	0	0	0	0	8	1	32	1	42	42	236
2031	0	0	0	0	0	7	1	33	2	43	43	249
2032	0	0	0	0	0	8	1	24	2	34	34	258
2033	0	0	0	0	0	7	1	34	2	44	44	269
2034	0	0	0	0	0	7	1	25	2	35	35	277
2035	0	0	88	0	89	7	1	22	2	33	(56)	265
2036	0	0	0	0	0	8	1	26	2	37	37	273
2037	0	0	0	0	0	7	1	27	3	38	38	280
2038	0	0	0	0	0	7	1	25	3	36	36	286
2039	0	0	0	0	0	8	1	24	3	35	35	292
2040	0	0	0	0	0	7	1	24	3	35	35	297
2041	0	0	0	0	0	7	1	25	4	37	37	303
2042	0	0	0	0	0	8	1	29	4	41	41	308
2043	0	0	0	0	0	8	1	27	4	40	40	313
2044	0	0	0	0	0	7	1	29	4	42	42	318
2045	0	1	113	0	114	8	1	28	5	41	(73)	310
2046	0	0	0	0	0	8	1	25	5	39	39	314
2047	0	0	0	0	0	8	1	26	5	40	40	317
2048	0	0	0	0	0	8	1	32	6	46	46	321
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	325	0	326	225	40	958	69	1,291	965	
NPV	0	1	113	0	113	66	15	341	12	434	321	

Discount Rate: 7.51 %  
 Benefit/Cost Ratio (Col(11) / Col(6)) : 3.84

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	8	0	8	0	15	54	0	0	54	(39)	(36)
2016	16	0	0	0	16	0	0	0	0	16	(22)
2017	16	0	0	0	16	0	0	0	0	16	(9)
2018	18	0	0	0	18	0	0	0	0	18	4
2019	19	0	0	0	19	0	0	0	0	19	17
2020	19	0	0	0	19	0	0	0	0	19	29
2021	20	0	0	0	20	0	0	0	0	20	41
2022	20	0	0	0	20	0	0	0	0	20	53
2023	21	0	0	0	21	0	0	0	0	21	64
2024	21	0	0	0	21	0	0	0	0	21	74
2025	21	0	8	0	29	69	0	0	69	(40)	56
2026	22	0	0	0	22	0	0	0	0	22	65
2027	22	0	0	0	22	0	0	0	0	22	74
2028	23	0	0	0	23	0	0	0	0	23	82
2029	23	0	0	0	23	0	0	0	0	23	90
2030	24	0	0	0	24	0	0	0	0	24	97
2031	24	0	0	0	24	0	0	0	0	24	104
2032	25	0	0	0	25	0	0	0	0	25	111
2033	27	0	0	0	27	0	0	0	0	27	118
2034	28	0	0	0	28	0	0	0	0	28	124
2035	29	0	8	0	36	88	0	0	88	(52)	113
2036	31	0	0	0	31	0	0	0	0	31	119
2037	32	0	0	0	32	0	0	0	0	32	125
2038	33	0	0	0	33	0	0	0	0	33	131
2039	34	0	0	0	34	0	0	0	0	34	137
2040	35	0	0	0	35	0	0	0	0	35	142
2041	36	0	0	0	36	0	0	0	0	36	147
2042	38	0	0	0	38	0	0	0	0	38	152
2043	40	0	0	0	40	0	0	0	0	40	157
2044	41	0	0	0	41	0	0	0	0	41	161
2045	43	0	8	0	50	113	0	0	113	(63)	155
2046	45	0	0	0	45	0	0	0	0	45	159
2047	47	0	0	0	47	0	0	0	0	47	164
2048	49	0	0	0	49	0	0	0	0	49	168
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	948	0	30	0	978	325	0	0	325	653	
NPV	268	0	13	0	280	113	0	0	113	168	

In Service of Gen Unit: 2019  
 Discount Rate: 7.51 %  
 Benefit/Cost Ratio ( Col(6) / Col(10) ) 2.49

RATE IMPACT TEST  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	8	7	0	15	8	0	0	0	8	(7)	(6)
2016	0	0	0	14	0	14	25	2	0	0	27	13	5
2017	0	0	0	14	0	14	21	2	0	0	23	8	12
2018	0	0	0	15	0	15	28	2	0	0	29	14	22
2019	0	0	0	17	0	17	48	2	0	0	49	33	45
2020	0	0	0	17	0	17	43	2	0	0	45	28	63
2021	0	0	0	17	0	17	41	1	0	0	42	25	78
2022	0	0	0	18	0	18	39	1	0	0	41	23	90
2023	0	0	0	18	0	18	39	1	0	1	41	23	102
2024	0	0	0	19	0	19	35	1	0	1	37	19	112
2025	0	0	8	19	0	27	42	1	0	1	45	18	120
2026	0	0	0	19	0	19	40	1	0	1	43	24	130
2027	0	0	0	19	0	19	38	1	0	1	40	21	138
2028	0	0	0	20	0	20	43	1	0	1	45	26	147
2029	0	0	0	20	0	20	34	1	0	1	37	17	153
2030	0	0	0	21	0	21	40	1	0	1	42	21	159
2031	0	0	0	21	0	21	40	1	0	2	43	22	166
2032	0	0	0	22	0	22	31	1	0	2	34	12	169
2033	0	0	0	24	0	24	41	1	0	2	44	21	174
2034	0	0	0	24	0	24	32	1	0	2	35	11	177
2035	0	0	8	25	0	33	29	1	0	2	33	(0)	177
2036	0	0	0	26	0	26	33	1	0	2	37	10	179
2037	0	0	0	27	0	27	34	1	0	3	38	10	181
2038	0	0	0	28	0	28	33	1	0	3	36	8	182
2039	0	0	0	29	0	29	31	1	0	3	35	6	183
2040	0	0	0	30	0	30	31	1	0	3	35	5	184
2041	0	0	0	31	0	31	33	1	0	4	37	6	185
2042	0	0	0	32	0	32	36	1	0	4	41	9	186
2043	0	0	0	34	0	34	35	1	0	4	40	6	187
2044	0	0	0	35	0	35	37	1	0	4	42	7	188
2045	0	1	8	37	0	45	36	1	0	5	41	(4)	187
2046	0	0	0	38	0	38	33	1	0	5	39	0	187
2047	0	0	0	40	0	40	34	1	0	5	40	(0)	187
2048	0	0	0	42	0	42	39	1	0	6	46	4	188
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	30	820	0	852	1,183	40	0	69	1,291	440	188
NPV	0	1	13	233	0	247	407	15	0	12	434	188	

Discount Rate 7.51 %  
 Benefit/Cost Ratio (Col(12) / Col(7)) : 1.76



INPUT DATA -- PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	70.71 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	92.98331 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	657,274.21 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
(11) UTILITY AFUDC RATE .....	6.34 %
(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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	0.00 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART 1 CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	15	0	15	12	4	150	0	150	
2016	0	0	0	0	24	8	0	0	0	
2017	0	0	0	0	25	8	0	0	0	
2018	0	0	0	0	28	8	0	0	0	
2019	0	0	0	0	31	9	0	0	0	
2020	0	0	0	0	32	10	0	0	0	
2021	0	15	0	15	32	10	174	0	174	
2022	0	0	0	0	32	10	0	0	0	
2023	0	0	0	0	34	8	0	0	0	
2024	0	0	0	0	35	8	0	0	0	
2025	0	0	0	0	36	8	0	0	0	
2026	0	0	0	0	38	8	0	0	0	
2027	0	15	0	15	39	8	201	0	201	
2028	0	0	0	0	40	8	0	0	0	
2029	0	0	0	0	41	8	0	0	0	
2030	0	0	0	0	43	8	0	0	0	
2031	0	0	0	0	44	8	0	0	0	
2032	0	0	0	0	47	8	0	0	0	
2033	0	15	0	15	51	8	233	0	233	
2034	0	0	0	0	54	8	0	0	0	
2035	0	0	0	0	56	8	0	0	0	
2036	0	0	0	0	61	8	0	0	0	
2037	0	0	0	0	63	8	0	0	0	
2038	0	0	0	0	66	8	0	0	0	
2039	1	15	0	15	69	8	271	0	271	
2040	0	0	0	0	72	9	0	0	0	
2041	0	0	0	0	75	9	0	0	0	
2042	0	0	0	0	79	9	0	0	0	
2043	0	0	0	0	84	9	0	0	0	
2044	0	0	0	0	89	9	0	0	0	
2045	1	15	0	15	93	9	314	0	314	
2046	0	0	0	0	98	9	0	0	0	
2047	0	0	0	0	104	9	0	0	0	
2048	0	0	0	0	109	9	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	3	87	0	90	1,838	283	1,342	0	1,342	
NPV	1	36	0	37	478	99	459	0	459	

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
YEAR												
2019	87	2	0	5	3	2	0	3	0	15	15	86
2020	84	2	0	5	2	1	0	3	1	15	14	88
2021	80	2	0	5	2	1	0	3	1	14	12	90
2022	76	2	0	5	2	1	0	3	1	14	11	92
2023	72	1	0	5	2	1	0	3	1	13	10	95
2024	68	1	0	4	2	1	0	3	1	13	9	97
2025	65	1	0	4	2	1	0	3	1	12	8	100
2026	61	1	0	4	2	1	0	3	0	12	7	102
2027	58	1	0	4	2	1	0	3	0	11	6	105
2028	55	1	0	3	2	1	0	3	0	11	6	107
2029	52	1	0	3	2	1	0	3	0	10	5	110
2030	48	1	0	3	2	1	0	3	0	10	4	113
2031	45	1	0	3	1	1	0	3	0	9	4	115
2032	42	1	0	3	1	1	0	3	0	9	3	118
2033	38	1	0	2	1	1	0	3	0	9	3	121
2034	35	1	0	2	1	1	0	3	0	8	3	124
2035	32	1	0	2	1	1	0	3	0	8	2	127
2036	29	1	0	2	1	1	0	3	0	7	2	131
2037	25	1	0	2	1	1	0	3	0	7	2	134
2038	22	0	0	1	1	1	0	3	0	6	2	137
2039	19	0	0	1	1	0	0	3	(0)	6	1	141
2040	16	0	0	1	2	0	0	3	(1)	5	1	144
2041	15	0	0	1	2	0	0	3	(1)	5	1	148
2042	13	0	0	1	2	0	0	3	(1)	5	1	151
2043	11	0	0	1	2	0	0	3	(1)	5	1	155
2044	9	0	0	1	1	0	0	3	(1)	4	1	159
2045	7	0	0	0	1	0	0	3	(1)	4	1	163
2046	5	0	0	0	1	0	0	3	(1)	4	1	167
2047	4	0	0	0	1	0	0	3	(1)	4	0	171
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	176

IN SERVICE COST (\$000)	86
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	6	3	5	1	4	0	0	0	1	0
2021	6.68%	6	15	3	9	3	8	1	4	0	0	0	1	1
2022	6.18%	5	20	3	11	3	11	1	4	0	0	0	1	2
2023	5.71%	5	25	3	14	3	14	1	4	0	0	0	1	3
2024	5.29%	4	29	3	17	3	16	1	4	0	0	0	1	4
2025	4.89%	4	34	3	20	3	19	1	4	0	0	0	1	4
2026	4.52%	4	37	3	23	3	22	0	4	0	0	0	0	5
2027	4.46%	4	41	3	26	3	24	0	4	0	0	0	0	5
2028	4.46%	4	45	3	29	3	27	0	4	0	0	0	0	6
2029	4.46%	4	49	3	31	3	30	0	4	0	0	0	0	6
2030	4.46%	4	52	3	34	3	33	0	4	0	0	0	0	6
2031	4.46%	4	56	3	37	3	35	0	4	0	0	0	0	7
2032	4.46%	4	60	3	40	3	38	0	4	0	0	0	0	7
2033	4.46%	4	64	3	43	3	41	0	4	0	0	0	0	8
2034	4.46%	4	68	3	46	3	43	0	4	0	0	0	0	8
2035	4.46%	4	71	3	49	3	46	0	4	0	0	0	0	9
2036	4.46%	4	75	3	51	3	49	0	4	0	0	0	0	9
2037	4.46%	4	79	3	54	3	52	0	4	0	0	0	0	9
2038	4.46%	4	83	3	57	3	54	0	4	0	0	0	0	10
2039	2.23%	2	85	3	60	3	57	(0)	4	0	0	0	(0)	9
2040	0.00%	0	85	3	63	3	60	(1)	4	0	0	0	(1)	8
2041	0.00%	0	85	3	66	3	62	(1)	4	0	0	0	(1)	7
2042	0.00%	0	85	3	69	3	65	(1)	4	0	0	0	(1)	6
2043	0.00%	0	85	3	72	3	68	(1)	4	0	0	0	(1)	5
2044	0.00%	0	85	3	74	3	71	(1)	4	0	0	0	(1)	4
2045	0.00%	0	85	3	77	3	73	(1)	4	0	0	0	(1)	3
2046	0.00%	0	85	3	80	3	76	(1)	4	0	0	0	(1)	2
2047	0.00%	0	85	3	83	3	79	(1)	4	0	0	0	(1)	1
2048	0.00%	0	85	3	86	3	81	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	83	3	(1)	87	84	86
2020	7.22%	6	1	80	6	0	84	80	82
2021	6.68%	6	1	77	9	1	80	76	78
2022	6.18%	5	1	74	11	2	76	72	74
2023	5.71%	5	1	72	14	3	72	68	70
2024	5.29%	4	1	69	17	4	68	65	67
2025	4.89%	4	1	66	20	4	65	61	63
2026	4.52%	4	0	63	23	5	61	58	60
2027	4.46%	4	0	60	26	5	58	55	56
2028	4.46%	4	0	57	29	6	55	52	53
2029	4.46%	4	0	54	31	6	52	48	50
2030	4.46%	4	0	51	34	6	48	45	47
2031	4.46%	4	0	49	37	7	45	42	43
2032	4.46%	4	0	46	40	7	42	38	40
2033	4.46%	4	0	43	43	8	38	35	37
2034	4.46%	4	0	40	46	8	35	32	34
2035	4.46%	4	0	37	49	9	32	29	30
2036	4.46%	4	0	34	51	9	29	25	27
2037	4.46%	4	0	31	54	9	25	22	24
2038	4.46%	4	0	29	57	10	22	19	21
2039	2.23%	2	(0)	26	60	9	19	16	18
2040	0.00%	0	(1)	23	63	8	16	15	15
2041	0.00%	0	(1)	20	66	7	15	13	14
2042	0.00%	0	(1)	17	69	6	13	11	12
2043	0.00%	0	(1)	14	72	5	11	9	10
2044	0.00%	0	(1)	11	74	4	9	7	8
2045	0.00%	0	(1)	9	77	3	7	5	6
2046	0.00%	0	(1)	6	80	2	5	4	5
2047	0.00%	0	(1)	3	83	1	4	2	3
2048	0.00%	0	(1)	(0)	86	0	2	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	15	6	0	18	23	16
2020	15	6	1	31	39	14
2021	14	6	1	32	40	13
2022	14	7	1	33	39	14
2023	13	7	1	34	40	15
2024	13	7	1	36	42	14
2025	12	7	1	37	43	14
2026	12	7	1	37	42	15
2027	11	7	1	38	43	14
2028	11	8	1	40	44	15
2029	10	8	1	42	46	14
2030	10	8	1	42	46	15
2031	9	8	1	44	49	14
2032	9	8	1	46	49	15
2033	9	9	1	48	52	14
2034	8	9	1	50	54	14
2035	8	9	1	52	55	14
2036	7	9	1	54	57	15
2037	7	10	1	56	59	14
2038	6	10	1	58	61	14
2039	6	10	1	60	62	15
2040	5	10	1	62	65	14
2041	5	11	1	64	67	14
2042	5	11	1	67	69	15
2043	5	11	1	70	72	15
2044	4	11	1	72	75	14
2045	4	12	1	75	77	15
2046	4	12	1	78	80	15
2047	4	12	1	80	82	15
2048	3	13	1	84	86	15
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	257	270	23	1,543	1,658	436
NPV	95	70	6	371	414	128

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME [REDACTED]

A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	28	0
2016	0	0	0	0	0	0	90	0
2017	0	0	0	0	0	0	76	0
2018	0	0	0	0	0	0	99	0
2019	0	0	0	0	0	0	141	0
2020	0	0	0	0	0	0	130	0
2021	0	0	0	0	0	0	121	0
2022	0	0	0	0	0	0	112	0
2023	0	0	0	0	0	0	113	0
2024	0	0	0	0	0	0	100	0
2025	0	0	0	0	0	0	125	0
2026	0	0	0	0	0	0	117	0
2027	0	0	0	0	0	0	110	0
2028	0	0	0	0	0	0	126	0
2029	0	0	0	0	0	0	96	0
2030	0	0	0	0	0	0	114	0
2031	0	0	0	0	0	0	119	0
2032	0	0	0	0	0	0	86	0
2033	0	0	0	0	0	0	122	0
2034	0	0	0	0	0	0	89	0
2035	0	0	0	0	0	0	78	0
2036	0	0	0	0	0	0	92	0
2037	0	0	0	0	0	0	96	0
2038	0	0	0	0	0	0	91	0
2039	0	0	0	0	0	0	84	0
2040	0	0	0	0	0	0	84	0
2041	0	0	0	0	0	0	90	0
2042	0	0	0	0	0	0	102	0
2043	0	0	0	0	0	0	98	0
2044	0	0	0	0	0	0	106	0
2045	0	0	0	0	0	0	100	0
2046	0	0	0	0	0	0	89	0
2047	0	0	0	0	0	0	92	0
2048	0	0	0	0	0	0	113	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	0	0	0	0	0	0	3,430	0
NPV	0	0	0	0	0	0	1,220	0

\* 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\_REQ  
 PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	150	0	150	0	0	28	0	28	(122)	(113)
2016	0	0	0	0	0	0	0	90	0	90	90	(35)
2017	0	0	0	0	0	0	0	76	0	76	76	25
2018	0	0	0	0	0	0	0	99	0	99	99	100
2019	0	0	0	0	0	16	0	141	0	157	157	209
2020	0	0	0	0	0	14	0	130	0	143	143	302
2021	0	0	174	0	174	13	0	121	0	134	(40)	278
2022	0	0	0	0	0	14	0	112	2	129	129	351
2023	0	0	0	0	0	15	0	113	4	131	131	419
2024	0	0	0	0	0	14	0	100	4	118	118	476
2025	0	0	0	0	0	14	0	125	4	144	144	541
2026	0	0	0	0	0	15	0	117	5	137	137	599
2027	0	0	201	0	202	14	0	110	6	130	(72)	571
2028	0	0	0	0	0	15	0	126	6	147	147	624
2029	0	0	0	0	0	14	0	96	7	117	117	663
2030	0	0	0	0	0	15	0	114	7	136	136	706
2031	0	0	0	0	0	14	0	119	8	141	141	747
2032	0	0	0	0	0	15	0	86	9	109	109	777
2033	0	0	233	0	234	14	0	122	10	146	(88)	755
2034	0	0	0	0	0	14	0	89	10	114	114	782
2035	0	0	0	0	0	14	0	78	11	104	104	804
2036	0	0	0	0	0	15	0	92	12	119	119	828
2037	0	0	0	0	0	14	0	96	13	123	123	852
2038	0	0	0	0	0	14	0	91	14	119	119	873
2039	0	1	271	0	271	15	0	84	15	115	(157)	847
2040	0	0	0	0	0	14	0	84	17	116	116	865
2041	0	0	0	0	0	14	0	90	18	123	123	882
2042	0	0	0	0	0	15	0	102	19	136	136	900
2043	0	0	0	0	0	15	0	98	21	133	133	916
2044	0	0	0	0	0	14	0	106	22	142	142	932
2045	0	1	314	0	315	15	0	100	24	139	(176)	914
2046	0	0	0	0	0	15	0	89	26	130	130	927
2047	0	0	0	0	0	15	0	92	27	135	135	939
2048	0	0	0	0	0	15	0	113	29	157	157	952
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	3	1,342	0	1,345	436	0	3,430	353	4,218	2,873	
NPV	0	1	459	0	460	128	0	1,220	64	1,412	952	

Discount Rate: 7.51 %  
 Benefit/Cost Ratio (Col(11) / Col(6)) : 3.07

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	18	0	15	0	33	150	0	0	150	(117)	(109)
2016	37	0	0	0	37	0	0	0	0	37	(77)
2017	38	0	0	0	38	0	0	0	0	38	(46)
2018	42	0	0	0	42	0	0	0	0	42	(14)
2019	47	0	0	0	47	0	0	0	0	47	18
2020	48	0	0	0	48	0	0	0	0	48	49
2021	49	0	15	0	64	174	0	0	174	(110)	(17)
2022	50	0	0	0	50	0	0	0	0	50	11
2023	50	0	0	0	50	0	0	0	0	50	37
2024	51	0	0	0	51	0	0	0	0	51	61
2025	51	0	0	0	51	0	0	0	0	51	85
2026	53	0	0	0	53	0	0	0	0	53	107
2027	54	0	15	0	69	201	0	0	201	(132)	55
2028	56	0	0	0	56	0	0	0	0	56	75
2029	58	0	0	0	58	0	0	0	0	58	95
2030	59	0	0	0	59	0	0	0	0	59	113
2031	61	0	0	0	61	0	0	0	0	61	131
2032	64	0	0	0	64	0	0	0	0	64	149
2033	70	0	15	0	84	233	0	0	233	(149)	111
2034	73	0	0	0	73	0	0	0	0	73	128
2035	76	0	0	0	76	0	0	0	0	76	145
2036	81	0	0	0	81	0	0	0	0	81	161
2037	85	0	0	0	85	0	0	0	0	85	177
2038	88	0	0	0	88	0	0	0	0	88	193
2039	92	0	15	0	106	271	0	0	271	(164)	166
2040	95	0	0	0	95	0	0	0	0	95	180
2041	99	0	0	0	99	0	0	0	0	99	194
2042	104	0	0	0	104	0	0	0	0	104	208
2043	110	0	0	0	110	0	0	0	0	110	221
2044	116	0	0	0	116	0	0	0	0	116	235
2045	121	0	15	0	136	314	0	0	314	(178)	216
2046	128	0	0	0	128	0	0	0	0	128	228
2047	134	0	0	0	134	0	0	0	0	134	241
2048	141	0	0	0	141	0	0	0	0	141	253
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	2,498	0	87	0	2,585	1,342	0	0	1,342	1,243	
NPV	676	0	36	0	711	459	0	0	459	253	

In Service of Gen Unit: 2019  
Discount Rate: 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.55

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	15	16	0	31	28	0	0	28	28	(2)	(2)
2016	0	0	0	32	0	32	90	0	0	90	90	58	48
2017	0	0	0	33	0	33	76	0	0	76	76	42	82
2018	0	0	0	37	0	37	99	0	0	99	99	63	129
2019	0	0	0	40	0	40	157	0	0	157	157	117	210
2020	0	0	0	41	0	41	143	0	0	143	143	102	276
2021	0	0	15	42	0	57	134	0	0	134	134	77	323
2022	0	0	0	43	0	43	126	0	2	129	129	86	371
2023	0	0	0	43	0	43	128	0	4	131	131	89	417
2024	0	0	0	44	0	44	114	0	4	118	118	74	453
2025	0	0	0	44	0	44	140	0	4	144	144	100	498
2026	0	0	0	45	0	45	132	0	5	137	137	92	537
2027	0	0	15	46	0	61	124	0	6	130	130	68	564
2028	0	0	0	48	0	48	141	0	6	147	147	99	600
2029	0	0	0	49	0	49	111	0	7	117	117	68	623
2030	0	0	0	51	0	51	129	0	7	136	136	86	650
2031	0	0	0	52	0	52	133	0	8	141	141	89	675
2032	0	0	0	55	0	55	100	0	9	109	109	54	690
2033	0	0	15	59	0	74	136	0	10	146	146	72	708
2034	0	0	0	62	0	62	104	0	10	114	114	52	721
2035	0	0	0	64	0	64	92	0	11	104	104	40	729
2036	0	0	0	69	0	69	107	0	12	119	119	50	739
2037	0	0	0	72	0	72	110	0	13	123	123	52	749
2038	0	0	0	75	0	75	105	0	14	119	119	44	757
2039	0	1	15	78	0	93	99	0	15	115	115	22	761
2040	0	0	0	80	0	80	99	0	17	116	116	35	766
2041	0	0	0	84	0	84	105	0	18	123	123	39	771
2042	0	0	0	88	0	88	117	0	19	136	136	49	778
2043	0	0	0	93	0	93	112	0	21	133	133	40	783
2044	0	0	0	98	0	98	120	0	22	142	142	45	788
2045	0	1	15	102	0	118	115	0	24	139	139	21	790
2046	0	0	0	107	0	107	104	0	26	130	130	23	792
2047	0	0	0	113	0	113	107	0	27	135	135	22	794
2048	0	0	0	118	0	118	128	0	29	157	157	39	798
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	3	87	2,121	0	2,211	3,865	0	0	353	4,218	2,007	
NPV	0	1	36	578	0	614	1,348	0	0	64	1,412	798	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.30

A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	128.57 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	169.05912 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	468,190.87 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE.....	6.34 %
* (12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
* (13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
* (14) UTILITY REBATE/INCENTIVE 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

**IV. AVOIDED GENERATOR AND T&D COSTS**

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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 .....	*** %



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	158	3	0	10	6	3	0	5	0	28	28	156
2020	153	3	0	10	4	3	0	5	2	27	25	160
2021	145	3	0	9	4	3	0	5	2	26	22	164
2022	138	3	0	9	4	2	0	5	2	25	20	168
2023	131	3	0	8	4	2	0	5	1	24	18	172
2024	124	3	0	8	4	2	0	5	1	23	16	177
2025	118	2	0	7	4	2	0	5	1	22	14	181
2026	112	2	0	7	4	2	0	5	1	21	13	185
2027	106	2	0	7	4	2	0	5	1	20	11	190
2028	100	2	0	6	3	2	0	5	1	20	10	195
2029	94	2	0	6	3	2	0	5	1	19	9	200
2030	88	2	0	5	3	2	0	5	1	18	8	205
2031	82	2	0	5	3	2	0	5	1	17	7	210
2032	76	2	0	5	2	2	0	5	1	16	6	215
2033	70	1	0	4	2	1	0	5	1	15	6	220
2034	64	1	0	4	2	1	0	5	1	15	5	226
2035	58	1	0	4	2	1	0	5	1	14	4	232
2036	52	1	0	3	1	1	0	5	1	13	4	237
2037	46	1	0	3	1	1	0	5	1	12	3	243
2038	40	1	0	3	1	1	0	5	1	11	3	249
2039	34	1	0	2	2	1	0	5	(1)	11	2	256
2040	30	1	0	2	3	1	0	5	(2)	10	2	262
2041	26	1	0	2	3	1	0	5	(2)	9	2	269
2042	23	0	0	1	3	1	0	5	(2)	9	2	275
2043	20	0	0	1	3	0	0	5	(2)	8	1	282
2044	16	0	0	1	3	0	0	5	(2)	8	1	289
2045	13	0	0	1	3	0	0	5	(2)	7	1	297
2046	10	0	0	1	2	0	0	5	(2)	7	1	304
2047	7	0	0	0	2	0	0	5	(2)	6	1	312
2048	3	0	0	0	2	(0)	0	5	(2)	6	1	319

IN SERVICE COST (\$000)	156
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	6	6	5	5	5	5	0	8	0	0	0	0	(2)
2020	7.22%	11	17	5	10	5	10	2	8	0	0	0	2	1
2021	6.68%	10	27	5	16	5	15	2	8	0	0	0	2	3
2022	6.18%	9	37	5	21	5	20	2	8	0	0	0	2	4
2023	5.71%	9	45	5	26	5	25	1	8	0	0	0	1	6
2024	5.29%	8	54	5	31	5	30	1	8	0	0	0	1	7
2025	4.89%	8	61	5	36	5	35	1	8	0	0	0	1	8
2026	4.52%	7	68	5	42	5	39	1	8	0	0	0	1	9
2027	4.46%	7	75	5	47	5	44	1	8	0	0	0	1	10
2028	4.46%	7	82	5	52	5	49	1	8	0	0	0	1	10
2029	4.46%	7	89	5	57	5	54	1	8	0	0	0	1	11
2030	4.46%	7	95	5	62	5	59	1	8	0	0	0	1	12
2031	4.46%	7	102	5	68	5	64	1	8	0	0	0	1	13
2032	4.46%	7	109	5	73	5	69	1	8	0	0	0	1	13
2033	4.46%	7	116	5	78	5	74	1	8	0	0	0	1	14
2034	4.46%	7	123	5	83	5	79	1	8	0	0	0	1	15
2035	4.46%	7	130	5	88	5	84	1	8	0	0	0	1	15
2036	4.46%	7	137	5	94	5	89	1	8	0	0	0	1	16
2037	4.46%	7	143	5	99	5	94	1	8	0	0	0	1	17
2038	4.46%	7	150	5	104	5	99	1	8	0	0	0	1	18
2039	2.23%	3	154	5	109	5	104	(1)	8	0	0	0	(1)	17
2040	0.00%	0	154	5	114	5	109	(2)	8	0	0	0	(2)	15
2041	0.00%	0	154	5	120	5	113	(2)	8	0	0	0	(2)	13
2042	0.00%	0	154	5	125	5	118	(2)	8	0	0	0	(2)	11
2043	0.00%	0	154	5	130	5	123	(2)	8	0	0	0	(2)	10
2044	0.00%	0	154	5	135	5	128	(2)	8	0	0	0	(2)	8
2045	0.00%	0	154	5	140	5	133	(2)	8	0	0	0	(2)	6
2046	0.00%	0	154	5	146	5	138	(2)	8	0	0	0	(2)	4
2047	0.00%	0	154	5	151	5	143	(2)	8	0	0	0	(2)	2
2048	0.00%	0	154	5	156	5	148	(2)	8	0	0	0	(2)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(2)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	8
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	6	0	151	5	(2)	158	153	155
2020	7.22%	11	2	146	10	1	153	145	149
2021	6.68%	10	2	140	16	3	145	138	141
2022	6.18%	9	2	135	21	4	138	131	134
2023	5.71%	9	1	130	26	6	131	124	128
2024	5.29%	8	1	125	31	7	124	118	121
2025	4.89%	8	1	120	36	8	118	112	115
2026	4.52%	7	1	114	42	9	112	106	109
2027	4.46%	7	1	109	47	10	106	100	103
2028	4.46%	7	1	104	52	10	100	94	97
2029	4.46%	7	1	99	57	11	94	88	91
2030	4.46%	7	1	94	62	12	88	82	85
2031	4.46%	7	1	88	68	13	82	76	79
2032	4.46%	7	1	83	73	13	76	70	73
2033	4.46%	7	1	78	78	14	70	64	67
2034	4.46%	7	1	73	83	15	64	58	61
2035	4.46%	7	1	68	88	15	58	52	55
2036	4.46%	7	1	62	94	16	52	46	49
2037	4.46%	7	1	57	99	17	46	40	43
2038	4.46%	7	1	52	104	18	40	34	37
2039	2.23%	3	(1)	47	109	17	34	30	32
2040	0.00%	0	(2)	42	114	15	30	26	28
2041	0.00%	0	(2)	36	120	13	26	23	25
2042	0.00%	0	(2)	31	125	11	23	20	21
2043	0.00%	0	(2)	26	130	10	20	16	18
2044	0.00%	0	(2)	21	135	8	16	13	15
2045	0.00%	0	(2)	16	140	6	13	10	12
2046	0.00%	0	(2)	10	146	4	10	7	8
2047	0.00%	0	(2)	5	151	2	7	3	5
2048	0.00%	0	(2)	(0)	156	0	3	0	2

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	7.12	0.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	28	11	1	32	42	29
2020	27	11	1	57	71	25
2021	26	12	1	58	72	24
2022	25	12	1	60	72	26
2023	24	12	1	62	73	27
2024	23	13	1	66	77	26
2025	22	13	1	68	78	26
2026	21	13	1	67	76	27
2027	20	14	1	70	79	26
2028	20	14	1	73	80	28
2029	19	14	1	76	84	26
2030	18	15	1	77	84	27
2031	17	15	1	81	88	26
2032	16	15	1	84	90	27
2033	15	16	1	88	95	26
2034	15	16	1	91	97	26
2035	14	17	1	94	100	26
2036	13	17	1	98	103	26
2037	12	17	2	102	107	26
2038	11	18	2	106	111	26
2039	11	18	2	109	113	27
2040	10	19	2	114	118	26
2041	9	19	2	117	121	26
2042	9	20	2	122	126	27
2043	8	20	2	126	130	26
2044	8	21	2	132	136	26
2045	7	21	2	137	141	27
2046	7	22	2	142	145	27
2047	6	22	2	146	150	27
2048	6	23	2	153	156	27
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	467	490	43	2,806	3,014	792
NPV	172	127	11	675	753	233



AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	5	7	2	0	1
2023	8	11	4	0	1
2024	9	12	4	0	1
2025	10	13	4	0	1
2026	10	14	5	0	2
2027	11	15	5	0	2
2028	12	16	6	0	2
2029	13	18	6	0	2
2030	15	20	7	0	2
2031	16	22	8	0	3
2032	18	24	8	0	3
2033	20	26	9	0	3
2034	22	29	10	0	3
2035	24	31	11	0	4
2036	26	34	12	0	4
2037	28	36	13	0	4
2038	30	39	14	0	5
2039	32	43	15	0	5
2040	35	46	16	0	5
2041	38	50	18	0	6
2042	41	54	19	0	6
2043	44	58	20	0	7
2044	47	62	22	0	7
2045	50	66	23	0	8
2046	54	71	25	0	8
2047	57	75	26	0	9
2048	61	80	28	0	9
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	738	968	342	0	113
NPV	133	174	62	0	21

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	236	0	236	0	0	22	0	22	(215)	(200)
2016	0	0	0	0	0	0	6	64	0	71	71	(139)
2017	0	0	0	0	0	0	6	54	0	60	60	(90)
2018	0	0	0	0	0	0	6	61	0	67	67	(40)
2019	0	0	0	0	0	29	6	89	0	124	124	46
2020	0	0	0	0	0	25	5	105	0	136	136	134
2021	0	0	0	0	0	24	5	97	0	126	126	210
2022	0	0	0	0	0	26	5	84	1	116	116	275
2023	0	0	0	0	0	27	5	74	1	107	107	331
2024	0	0	0	0	0	26	5	74	1	106	106	382
2025	0	0	302	0	303	26	5	94	1	126	(176)	303
2026	0	0	0	0	0	27	5	102	2	135	135	359
2027	0	0	0	0	0	26	4	89	2	121	121	407
2028	0	0	0	0	0	28	4	91	2	125	125	452
2029	0	0	0	0	0	26	4	68	2	100	100	486
2030	0	0	0	0	0	27	4	77	2	111	111	521
2031	0	0	0	0	0	26	4	90	3	122	122	556
2032	0	0	0	0	0	27	4	81	3	114	114	587
2033	0	0	0	0	0	26	4	84	3	116	116	617
2034	0	0	0	0	0	26	4	68	3	101	101	640
2035	0	0	387	0	387	26	4	61	4	94	(293)	576
2036	0	0	0	0	0	26	4	91	4	125	125	602
2037	0	0	0	0	0	26	4	94	4	128	128	626
2038	0	0	0	0	0	26	4	84	5	118	118	647
2039	0	0	0	0	0	27	4	69	5	105	105	664
2040	0	0	0	0	0	26	4	73	5	108	108	680
2041	0	0	0	0	0	26	4	79	6	115	115	696
2042	0	0	0	0	0	27	4	94	6	131	131	713
2043	0	0	0	0	0	26	4	86	7	123	123	728
2044	0	0	0	0	0	26	3	95	7	132	132	743
2045	0	1	495	0	496	27	3	85	8	123	(373)	704
2046	0	0	0	0	0	27	3	68	8	106	106	714
2047	0	0	0	0	0	27	3	70	9	109	109	724
2048	0	0	0	0	0	27	3	97	9	136	136	736
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	1,420	0	1,422	792	140	2,713	113	3,758	2,337	
NPV	0	1	493	0	493	233	54	922	21	1,229	736	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.49

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	22	0	26	0	49	236	0	0	236	(188)	(174)
2016	45	0	0	0	45	0	0	0	0	45	(136)
2017	46	0	0	0	46	0	0	0	0	46	(98)
2018	50	0	0	0	50	0	0	0	0	50	(61)
2019	53	0	0	0	53	0	0	0	0	53	(24)
2020	55	0	0	0	55	0	0	0	0	55	12
2021	56	0	0	0	56	0	0	0	0	56	46
2022	58	0	0	0	58	0	0	0	0	58	78
2023	59	0	0	0	59	0	0	0	0	59	109
2024	60	0	0	0	60	0	0	0	0	60	138
2025	60	0	26	0	86	302	0	0	302	(216)	41
2026	61	0	0	0	61	0	0	0	0	61	66
2027	62	0	0	0	62	0	0	0	0	62	90
2028	63	0	0	0	63	0	0	0	0	63	113
2029	65	0	0	0	65	0	0	0	0	65	135
2030	66	0	0	0	66	0	0	0	0	66	155
2031	67	0	0	0	67	0	0	0	0	67	175
2032	70	0	0	0	70	0	0	0	0	70	194
2033	75	0	0	0	75	0	0	0	0	75	213
2034	77	0	0	0	77	0	0	0	0	77	231
2035	79	0	26	0	106	387	0	0	387	(281)	170
2036	84	0	0	0	84	0	0	0	0	84	187
2037	87	0	0	0	87	0	0	0	0	87	203
2038	90	0	0	0	90	0	0	0	0	90	219
2039	92	0	0	0	92	0	0	0	0	92	234
2040	95	0	0	0	95	0	0	0	0	95	249
2041	98	0	0	0	98	0	0	0	0	98	263
2042	102	0	0	0	102	0	0	0	0	102	276
2043	107	0	0	0	107	0	0	0	0	107	289
2044	111	0	0	0	111	0	0	0	0	111	302
2045	116	0	26	0	142	495	0	0	495	(353)	264
2046	120	0	0	0	120	0	0	0	0	120	276
2047	125	0	0	0	125	0	0	0	0	125	288
2048	131	0	0	0	131	0	0	0	0	131	299
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	2,608	0	106	0	2,714	1,420	0	0	1,420	1,294	
NPV	746	0	45	0	792	493	0	0	493	299	

In Service of Gen Unit: 2019  
Discount Rate : 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.61

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	26	20	0	47	22	0	0	0	22	(25)	(23)
2016	0	0	0	40	0	40	64	6	0	0	71	30	3
2017	0	0	0	42	0	42	54	6	0	0	60	18	18
2018	0	0	0	44	0	44	61	6	0	0	67	23	35
2019	0	0	0	48	0	48	118	6	0	0	124	76	88
2020	0	0	0	49	0	49	131	5	0	0	136	87	144
2021	0	0	0	50	0	50	121	5	0	0	126	76	190
2022	0	0	0	52	0	52	110	5	0	1	116	64	225
2023	0	0	0	52	0	52	101	5	0	1	107	55	254
2024	0	0	0	53	0	53	100	5	0	1	106	53	280
2025	0	0	26	53	0	80	120	5	0	1	126	46	301
2026	0	0	0	54	0	54	129	5	0	2	135	82	335
2027	0	0	0	55	0	55	115	4	0	2	121	67	361
2028	0	0	0	56	0	56	119	4	0	2	125	69	386
2029	0	0	0	57	0	57	94	4	0	2	100	44	401
2030	0	0	0	58	0	58	104	4	0	2	111	53	417
2031	0	0	0	59	0	59	115	4	0	3	122	63	436
2032	0	0	0	62	0	62	107	4	0	3	114	52	450
2033	0	0	0	66	0	66	109	4	0	3	116	51	463
2034	0	0	0	68	0	68	94	4	0	3	101	33	470
2035	0	0	26	70	0	96	87	4	0	4	94	(2)	470
2036	0	0	0	73	0	73	117	4	0	4	125	51	480
2037	0	0	0	76	0	76	120	4	0	4	128	52	490
2038	0	0	0	78	0	78	110	4	0	5	118	40	497
2039	0	0	0	80	0	80	96	4	0	5	105	24	501
2040	0	0	0	83	0	83	99	4	0	5	108	25	505
2041	0	0	0	85	0	85	106	4	0	6	115	29	509
2042	0	0	0	88	0	88	121	4	0	6	131	43	515
2043	0	0	0	93	0	93	113	4	0	7	123	30	519
2044	0	0	0	96	0	96	121	3	0	7	132	35	523
2045	0	1	26	100	0	127	112	3	0	8	123	(4)	522
2046	0	0	0	104	0	104	95	3	0	8	106	2	522
2047	0	0	0	108	0	108	97	3	0	9	109	1	523
2048	0	0	0	112	0	112	124	3	0	9	136	24	525
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	106	2,282	0	2,390	3,505	140	0	113	3,758	1,369	
NPV	0	1	45	659	0	705	1,155	54	0	21	1,229	525	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.74



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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	17.50 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	23.01144 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	77,988.48 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

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(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	22	0	0	1	1	0	0	1	0	4	4	21
2020	21	0	0	1	1	0	0	1	0	4	3	22
2021	20	0	0	1	1	0	0	1	0	4	3	22
2022	19	0	0	1	1	0	0	1	0	3	3	23
2023	18	0	0	1	1	0	0	1	0	3	2	23
2024	17	0	0	1	1	0	0	1	0	3	2	24
2025	16	0	0	1	1	0	0	1	0	3	2	25
2026	15	0	0	1	1	0	0	1	0	3	2	25
2027	14	0	0	1	0	0	0	1	0	3	2	26
2028	14	0	0	1	0	0	0	1	0	3	1	27
2029	13	0	0	1	0	0	0	1	0	3	1	27
2030	12	0	0	1	0	0	0	1	0	2	1	28
2031	11	0	0	1	0	0	0	1	0	2	1	29
2032	10	0	0	1	0	0	0	1	0	2	1	29
2033	10	0	0	1	0	0	0	1	0	2	1	30
2034	9	0	0	1	0	0	0	1	0	2	1	31
2035	8	0	0	0	0	0	0	1	0	2	1	32
2036	7	0	0	0	0	0	0	1	0	2	1	32
2037	6	0	0	0	0	0	0	1	0	2	0	33
2038	5	0	0	0	0	0	0	1	0	2	0	34
2039	5	0	0	0	0	0	0	1	(0)	1	0	35
2040	4	0	0	0	0	0	0	1	(0)	1	0	36
2041	4	0	0	0	0	0	0	1	(0)	1	0	37
2042	3	0	0	0	0	0	0	1	(0)	1	0	37
2043	3	0	0	0	0	0	0	1	(0)	1	0	38
2044	2	0	0	0	0	0	0	1	(0)	1	0	39
2045	2	0	0	0	0	0	0	1	(0)	1	0	40
2046	1	0	0	0	0	0	0	1	(0)	1	0	41
2047	1	0	0	0	0	0	0	1	(0)	1	0	42
2048	0	0	0	0	0	(0)	0	1	(0)	1	0	43

IN SERVICE COST (\$000)	21
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	2	2	1	1	1	1	0	1	0	0	0	0	0
2021	6.68%	1	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	6	1	4	1	3	0	1	0	0	0	0	1
2024	5.29%	1	7	1	4	1	4	0	1	0	0	0	0	1
2025	4.89%	1	8	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	9	1	6	1	5	0	1	0	0	0	0	1
2027	4.46%	1	10	1	6	1	6	0	1	0	0	0	0	1
2028	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2029	4.46%	1	12	1	8	1	7	0	1	0	0	0	0	2
2030	4.46%	1	13	1	8	1	8	0	1	0	0	0	0	2
2031	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2032	4.46%	1	15	1	10	1	9	0	1	0	0	0	0	2
2033	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2034	4.46%	1	17	1	11	1	11	0	1	0	0	0	0	2
2035	4.46%	1	18	1	12	1	11	0	1	0	0	0	0	2
2036	4.46%	1	19	1	13	1	12	0	1	0	0	0	0	2
2037	4.46%	1	20	1	13	1	13	0	1	0	0	0	0	2
2038	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2039	2.23%	0	21	1	15	1	14	(0)	1	0	0	0	(0)	2
2040	0.00%	0	21	1	16	1	15	(0)	1	0	0	0	(0)	2
2041	0.00%	0	21	1	16	1	15	(0)	1	0	0	0	(0)	2
2042	0.00%	0	21	1	17	1	16	(0)	1	0	0	0	(0)	2
2043	0.00%	0	21	1	18	1	17	(0)	1	0	0	0	(0)	1
2044	0.00%	0	21	1	18	1	17	(0)	1	0	0	0	(0)	1
2045	0.00%	0	21	1	19	1	18	(0)	1	0	0	0	(0)	1
2046	0.00%	0	21	1	20	1	19	(0)	1	0	0	0	(0)	1
2047	0.00%	0	21	1	21	1	19	(0)	1	0	0	0	(0)	0
2048	0.00%	0	21	1	21	1	20	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	21	1	(0)	22	21	21
2020	7.22%	2	0	20	1	0	21	20	20
2021	6.68%	1	0	19	2	0	20	19	19
2022	6.18%	1	0	18	3	1	19	18	18
2023	5.71%	1	0	18	4	1	18	17	17
2024	5.29%	1	0	17	4	1	17	16	16
2025	4.89%	1	0	16	5	1	16	15	16
2026	4.52%	1	0	16	6	1	15	14	15
2027	4.46%	1	0	15	6	1	14	14	14
2028	4.46%	1	0	14	7	1	14	13	13
2029	4.46%	1	0	13	8	2	13	12	12
2030	4.46%	1	0	13	8	2	12	11	12
2031	4.46%	1	0	12	9	2	11	10	11
2032	4.46%	1	0	11	10	2	10	10	10
2033	4.46%	1	0	11	11	2	10	9	9
2034	4.46%	1	0	10	11	2	9	8	8
2035	4.46%	1	0	9	12	2	8	7	8
2036	4.46%	1	0	8	13	2	7	6	7
2037	4.46%	1	0	8	13	2	6	5	6
2038	4.46%	1	0	7	14	2	5	5	5
2039	2.23%	0	(0)	6	15	2	5	4	4
2040	0.00%	0	(0)	6	16	2	4	4	4
2041	0.00%	0	(0)	5	16	2	4	3	3
2042	0.00%	0	(0)	4	17	2	3	3	3
2043	0.00%	0	(0)	4	18	1	3	2	2
2044	0.00%	0	(0)	3	18	1	2	2	2
2045	0.00%	0	(0)	2	19	1	2	1	2
2046	0.00%	0	(0)	1	20	1	1	1	1
2047	0.00%	0	(0)	1	21	0	1	0	1
2048	0.00%	0	(0)	(0)	21	0	0	0	0

\* Column not specified in workbook

INPUT DATA – PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████ A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: [REDACTED] **A**

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	2	0	4	6	4
2020	4	2	0	8	10	3
2021	4	2	0	8	10	3
2022	3	2	0	8	10	4
2023	3	2	0	8	10	4
2024	3	2	0	9	10	4
2025	3	2	0	9	11	4
2026	3	2	0	9	10	4
2027	3	2	0	9	11	4
2028	3	2	0	10	11	4
2029	3	2	0	10	11	4
2030	2	2	0	11	11	4
2031	2	2	0	11	12	3
2032	2	2	0	11	12	4
2033	2	2	0	12	13	3
2034	2	2	0	12	13	4
2035	2	2	0	13	14	4
2036	2	2	0	13	14	4
2037	2	2	0	14	15	4
2038	2	2	0	14	15	3
2039	1	2	0	15	15	4
2040	1	3	0	15	16	4
2041	1	3	0	16	16	4
2042	1	3	0	17	17	4
2043	1	3	0	17	18	4
2044	1	3	0	18	19	4
2045	1	3	0	19	19	4
2046	1	3	0	19	20	4
2047	1	3	0	20	20	4
2048	1	3	0	21	21	4
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	64	67	6	382	410	108
NPV	23	17	1	92	102	32

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME : [REDACTED] A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	3	0
2016	1	0	1	0	0	0	12	0
2017	1	0	1	0	0	0	9	0
2018	1	0	1	0	0	0	11	0
2019	1	0	1	0	0	0	15	0
2020	1	0	1	0	0	0	14	0
2021	0	0	1	0	0	0	13	0
2022	0	0	1	0	0	0	13	0
2023	0	0	1	0	0	0	14	0
2024	0	0	1	0	0	0	12	0
2025	0	0	1	0	0	0	14	0
2026	0	0	1	0	0	0	12	0
2027	0	0	0	0	0	0	13	0
2028	0	0	0	0	0	0	12	0
2029	0	0	0	0	0	0	11	0
2030	0	0	0	0	0	0	11	0
2031	0	0	0	0	0	0	12	0
2032	0	0	0	0	0	0	9	0
2033	0	0	0	0	0	0	12	0
2034	0	0	0	0	0	0	9	0
2035	0	0	0	0	0	0	8	0
2036	0	0	0	0	0	0	10	0
2037	0	0	0	0	0	0	10	0
2038	0	0	0	0	0	0	10	0
2039	0	0	0	0	0	0	9	0
2040	0	0	0	0	0	0	9	0
2041	0	0	0	0	0	0	10	0
2042	0	0	0	0	0	0	11	0
2043	0	0	0	0	0	0	11	0
2044	0	0	0	0	0	0	11	0
2045	0	0	0	0	0	0	11	0
2046	0	0	0	0	0	0	10	0
2047	0	0	0	0	0	0	11	0
2048	0	0	0	0	0	0	13	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	11	4	16	1	2	4	376	0
NPV	5	1	6	1	1	1	136	0

\* 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\_REQ  
PROGRAM NAME: [REDACTED] **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	17	0	17	0	0	3	0	3	(14)	(13)
2016	0	0	0	0	0	0	1	12	0	13	13	(2)
2017	0	0	0	0	0	0	1	9	0	9	9	6
2018	0	0	0	0	0	0	1	11	0	12	12	15
2019	0	0	0	0	0	4	1	15	0	20	20	29
2020	0	0	0	0	0	3	1	14	0	18	18	41
2021	0	0	19	0	20	3	1	13	0	17	(2)	39
2022	0	0	0	0	0	4	1	13	0	18	18	49
2023	0	0	0	0	0	4	1	14	0	18	18	59
2024	0	0	0	0	0	4	1	12	0	16	16	67
2025	0	0	0	0	0	4	1	14	0	18	18	75
2026	0	0	0	0	0	4	1	12	0	16	16	82
2027	0	0	22	0	23	4	1	13	0	18	(5)	80
2028	0	0	0	0	0	4	1	12	0	17	17	86
2029	0	0	0	0	0	4	1	11	0	16	16	91
2030	0	0	0	0	0	4	1	11	1	16	16	96
2031	0	0	0	0	0	3	1	12	1	17	17	101
2032	0	0	0	0	0	4	1	9	1	14	14	105
2033	0	0	26	0	26	3	1	12	1	17	(10)	102
2034	0	0	0	0	0	4	1	9	1	14	14	106
2035	0	0	0	0	0	4	1	8	1	13	13	109
2036	0	0	0	0	0	4	1	10	1	15	15	112
2037	0	0	0	0	0	4	1	10	1	15	15	114
2038	0	0	0	0	0	3	0	10	1	15	15	117
2039	0	0	30	0	30	4	0	9	1	15	(16)	114
2040	0	0	0	0	0	4	0	9	1	15	15	117
2041	0	0	0	0	0	4	0	10	1	15	15	119
2042	0	0	0	0	0	4	0	11	1	17	17	121
2043	0	0	0	0	0	4	0	11	2	16	16	123
2044	0	0	0	0	0	4	0	11	2	17	17	125
2045	0	0	35	0	35	4	0	11	2	17	(18)	123
2046	0	0	0	0	0	4	0	10	2	16	16	125
2047	0	0	0	0	0	4	0	11	2	17	17	126
2048	0	0	0	0	0	4	0	13	2	19	19	128
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	149	0	151	108	19	376	26	529	378	
NPV	0	1	51	0	52	32	7	136	5	179	128	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.47

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	3	0	4	0	7	17	0	0	17	(10)	(9)
2016	7	0	0	0	7	0	0	0	0	7	(3)
2017	7	0	0	0	7	0	0	0	0	7	3
2018	8	0	0	0	8	0	0	0	0	8	9
2019	8	0	0	0	8	0	0	0	0	8	14
2020	8	0	0	0	8	0	0	0	0	8	20
2021	9	0	4	0	12	19	0	0	19	(7)	16
2022	9	0	0	0	9	0	0	0	0	9	21
2023	9	0	0	0	9	0	0	0	0	9	26
2024	9	0	0	0	9	0	0	0	0	9	30
2025	9	0	0	0	9	0	0	0	0	9	34
2026	10	0	0	0	10	0	0	0	0	10	38
2027	10	0	4	0	13	22	0	0	22	(9)	35
2028	10	0	0	0	10	0	0	0	0	10	38
2029	10	0	0	0	10	0	0	0	0	10	42
2030	10	0	0	0	10	0	0	0	0	10	45
2031	11	0	0	0	11	0	0	0	0	11	48
2032	11	0	0	0	11	0	0	0	0	11	51
2033	12	0	4	0	15	26	0	0	26	(11)	48
2034	12	0	0	0	12	0	0	0	0	12	51
2035	13	0	0	0	13	0	0	0	0	13	54
2036	13	0	0	0	13	0	0	0	0	13	57
2037	14	0	0	0	14	0	0	0	0	14	59
2038	14	0	0	0	14	0	0	0	0	14	62
2039	15	0	4	0	18	30	0	0	30	(12)	60
2040	15	0	0	0	15	0	0	0	0	15	62
2041	16	0	0	0	16	0	0	0	0	16	65
2042	16	0	0	0	16	0	0	0	0	16	67
2043	17	0	0	0	17	0	0	0	0	17	69
2044	18	0	0	0	18	0	0	0	0	18	71
2045	19	0	4	0	22	35	0	0	35	(13)	69
2046	19	0	0	0	19	0	0	0	0	19	71
2047	20	0	0	0	20	0	0	0	0	20	73
2048	21	0	0	0	21	0	0	0	0	21	75
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
NOM	413	0	22	0	435	149	0	0	149	286	
NPV	117	0	9	0	126	51	0	0	51	75	

In Service of Gen Unit: 2019  
Discount Rate : 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) **2.47**

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	4	3	0	7	3	0	0	0	3	(4)	(3)
2016	0	0	0	6	0	6	12	1	0	0	13	6	2
2017	0	0	0	6	0	6	9	1	0	0	9	3	5
2018	0	0	0	7	0	7	11	1	0	0	12	5	9
2019	0	0	0	7	0	7	19	1	0	0	20	12	17
2020	0	0	0	8	0	8	18	1	0	0	18	11	24
2021	0	0	4	8	0	12	17	1	0	0	17	6	28
2022	0	0	0	8	0	8	17	1	0	0	18	10	33
2023	0	0	0	8	0	8	18	1	0	0	18	10	39
2024	0	0	0	8	0	8	15	1	0	0	16	8	42
2025	0	0	0	8	0	8	17	1	0	0	18	10	47
2026	0	0	0	8	0	8	15	1	0	0	16	8	50
2027	0	0	4	9	0	12	17	1	0	0	18	6	53
2028	0	0	0	9	0	9	16	1	0	0	17	8	56
2029	0	0	0	9	0	9	15	1	0	0	16	7	58
2030	0	0	0	9	0	9	15	1	0	1	16	7	60
2031	0	0	0	9	0	9	16	1	0	1	17	7	62
2032	0	0	0	10	0	10	12	1	0	1	14	4	63
2033	0	0	4	10	0	14	16	1	0	1	17	3	64
2034	0	0	0	11	0	11	13	1	0	1	14	3	65
2035	0	0	0	11	0	11	12	1	0	1	13	2	65
2036	0	0	0	12	0	12	13	1	0	1	15	3	66
2037	0	0	0	12	0	12	14	1	0	1	15	3	66
2038	0	0	0	12	0	12	13	0	0	1	15	2	67
2039	0	0	4	13	0	17	13	0	0	1	15	(2)	66
2040	0	0	0	13	0	13	13	0	0	1	15	2	67
2041	0	0	0	14	0	14	13	0	0	1	15	2	67
2042	0	0	0	14	0	14	15	0	0	1	17	3	67
2043	0	0	0	15	0	15	14	0	0	2	16	2	67
2044	0	0	0	15	0	15	15	0	0	2	17	2	68
2045	0	0	4	16	0	20	15	0	0	2	17	(3)	67
2046	0	0	0	17	0	17	14	0	0	2	16	(0)	67
2047	0	0	0	17	0	17	15	0	0	2	17	(0)	67
2048	0	0	0	18	0	18	16	0	0	2	19	1	67
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	22	359	0	383	484	19	0	26	529	146	
NPV	0	1	9	103	0	112	168	7	0	5	179	67	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.60

A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	10.15 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	13.34137 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	45,215.28 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN. TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

INPUT DATA - PART I CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ

PROGRAM NAME: ██████████ A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	2	0	2	1	1	21	0	21	
2016	0	0	0	0	2	2	0	0	0	
2017	0	0	0	0	2	2	0	0	0	
2018	0	0	0	0	2	2	0	0	0	
2019	0	0	0	0	3	2	0	0	0	
2020	0	0	0	0	3	2	0	0	0	
2021	0	2	0	2	3	2	24	0	24	
2022	0	0	0	0	3	2	0	0	0	
2023	0	0	0	0	3	2	0	0	0	
2024	0	0	0	0	3	2	0	0	0	
2025	0	0	0	0	3	2	0	0	0	
2026	0	0	0	0	3	2	0	0	0	
2027	0	2	0	2	3	2	28	0	28	
2028	0	0	0	0	3	2	0	0	0	
2029	0	0	0	0	3	2	0	0	0	
2030	0	0	0	0	3	2	0	0	0	
2031	0	0	0	0	4	2	0	0	0	
2032	0	0	0	0	4	2	0	0	0	
2033	0	2	0	2	4	2	33	0	33	
2034	0	0	0	0	4	2	0	0	0	
2035	0	0	0	0	4	2	0	0	0	
2036	0	0	0	0	5	2	0	0	0	
2037	0	0	0	0	5	2	0	0	0	
2038	0	0	0	0	5	2	0	0	0	
2039	0	2	0	2	5	2	38	0	38	
2040	0	0	0	0	6	2	0	0	0	
2041	0	0	0	0	6	2	0	0	0	
2042	0	0	0	0	6	2	0	0	0	
2043	0	0	0	0	6	2	0	0	0	
2044	0	0	0	0	7	2	0	0	0	
2045	0	2	0	3	7	2	44	0	44	
2046	0	0	0	0	7	2	0	0	0	
2047	0	0	0	0	8	2	0	0	0	
2048	0	0	0	0	8	2	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
NOM	2	13	0	14	143	62	189	0	189	
NPV	1	5	0	6	38	21	64	0	64	

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

CALCULATION OF GEN K-FACTOR  
 PROGRAM METHOD SELECTED REV\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) BEG-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	12	0	0	1	0	0	0	0	0	2	2	2	12
2020	12	0	0	1	0	0	0	0	0	2	2	4	13
2021	11	0	0	1	0	0	0	0	0	2	2	6	13
2022	11	0	0	1	0	0	0	0	0	2	2	7	13
2023	10	0	0	1	0	0	0	0	0	2	1	9	14
2024	10	0	0	1	0	0	0	0	0	2	1	10	14
2025	9	0	0	1	0	0	0	0	0	2	1	11	14
2026	9	0	0	1	0	0	0	0	0	2	1	12	15
2027	8	0	0	1	0	0	0	0	0	2	1	13	15
2028	8	0	0	0	0	0	0	0	0	2	1	14	15
2029	7	0	0	0	0	0	0	0	0	1	1	15	16
2030	7	0	0	0	0	0	0	0	0	1	1	15	16
2031	6	0	0	0	0	0	0	0	0	1	1	16	17
2032	6	0	0	0	0	0	0	0	0	1	1	16	17
2033	6	0	0	0	0	0	0	0	0	1	0	17	17
2034	5	0	0	0	0	0	0	0	0	1	0	17	18
2035	5	0	0	0	0	0	0	0	0	1	0	18	18
2036	4	0	0	0	0	0	0	0	0	1	0	18	19
2037	4	0	0	0	0	0	0	0	0	1	0	18	19
2038	3	0	0	0	0	0	0	0	0	1	0	18	20
2039	3	0	0	0	0	0	0	0	(0)	1	0	19	20
2040	2	0	0	0	0	0	0	0	(0)	1	0	19	21
2041	2	0	0	0	0	0	0	0	(0)	1	0	19	21
2042	2	0	0	0	0	0	0	0	(0)	1	0	19	22
2043	2	0	0	0	0	0	0	0	(0)	1	0	19	22
2044	1	0	0	0	0	0	0	0	(0)	1	0	19	23
2045	1	0	0	0	0	0	0	0	(0)	1	0	19	23
2046	1	0	0	0	0	0	0	0	(0)	1	0	19	24
2047	1	0	0	0	0	0	0	0	(0)	-1	0	19	25
2048	0	0	0	0	0	(0)	0	0	(0)	0	0	20	25

IN SERVICE COST (\$000)	12
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	0	0	0	0	0	0	0	1	0	0	0	0	(0)
2020	7.22%	1	1	0	1	0	1	0	1	0	0	0	0	0
2021	6.68%	1	2	0	1	0	1	0	1	0	0	0	0	0
2022	6.18%	1	3	0	2	0	2	0	1	0	0	0	0	0
2023	5.71%	1	4	0	2	0	2	0	1	0	0	0	0	0
2024	5.29%	1	4	0	2	0	2	0	1	0	0	0	0	1
2025	4.89%	1	5	0	3	0	3	0	1	0	0	0	0	1
2026	4.52%	1	5	0	3	0	3	0	1	0	0	0	0	1
2027	4.46%	1	6	0	4	0	4	0	1	0	0	0	0	1
2028	4.46%	1	6	0	4	0	4	0	1	0	0	0	0	1
2029	4.46%	1	7	0	5	0	4	0	1	0	0	0	0	1
2030	4.46%	1	8	0	5	0	5	0	1	0	0	0	0	1
2031	4.46%	1	8	0	5	0	5	0	1	0	0	0	0	1
2032	4.46%	1	9	0	6	0	5	0	1	0	0	0	0	1
2033	4.46%	1	9	0	6	0	6	0	1	0	0	0	0	1
2034	4.46%	1	10	0	7	0	6	0	1	0	0	0	0	1
2035	4.46%	1	10	0	7	0	7	0	1	0	0	0	0	1
2036	4.46%	1	11	0	7	0	7	0	1	0	0	0	0	1
2037	4.46%	1	11	0	8	0	7	0	1	0	0	0	0	1
2038	4.46%	1	12	0	8	0	8	0	1	0	0	0	0	1
2039	2.23%	0	12	0	9	0	8	(0)	1	0	0	0	(0)	1
2040	0.00%	0	12	0	9	0	9	(0)	1	0	0	0	(0)	1
2041	0.00%	0	12	0	9	0	9	(0)	1	0	0	0	(0)	1
2042	0.00%	0	12	0	10	0	9	(0)	1	0	0	0	(0)	1
2043	0.00%	0	12	0	10	0	10	(0)	1	0	0	0	(0)	1
2044	0.00%	0	12	0	11	0	10	(0)	1	0	0	0	(0)	1
2045	0.00%	0	12	0	11	0	11	(0)	1	0	0	0	(0)	0
2046	0.00%	0	12	0	11	0	11	(0)	1	0	0	0	(0)	0
2047	0.00%	0	12	0	12	0	11	(0)	1	0	0	0	(0)	0
2048	0.00%	0	12	0	12	0	12	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	0	0	12	0	(0)	12	12	12
2020	7.22%	1	0	11	1	0	12	11	12
2021	6.68%	1	0	11	1	0	11	11	11
2022	6.18%	1	0	11	2	0	11	10	11
2023	5.71%	1	0	10	2	0	10	10	10
2024	5.29%	1	0	10	2	1	10	9	10
2025	4.89%	1	0	9	3	1	9	9	9
2026	4.52%	1	0	9	3	1	9	8	9
2027	4.46%	1	0	9	4	1	8	8	8
2028	4.46%	1	0	8	4	1	8	7	8
2029	4.46%	1	0	8	5	1	7	7	7
2030	4.46%	1	0	7	5	1	7	6	7
2031	4.46%	1	0	7	5	1	6	6	6
2032	4.46%	1	0	7	6	1	6	6	6
2033	4.46%	1	0	6	6	1	6	5	5
2034	4.46%	1	0	6	7	1	5	5	5
2035	4.46%	1	0	5	7	1	5	4	4
2036	4.46%	1	0	5	7	1	4	4	4
2037	4.46%	1	0	5	8	1	4	3	3
2038	4.46%	1	0	4	8	1	3	3	3
2039	2.23%	0	(0)	4	9	1	3	2	3
2040	0.00%	0	(0)	3	9	1	2	2	2
2041	0.00%	0	(0)	3	9	1	2	2	2
2042	0.00%	0	(0)	2	10	1	2	2	2
2043	0.00%	0	(0)	2	10	1	2	1	1
2044	0.00%	0	(0)	2	11	1	1	1	1
2045	0.00%	0	(0)	1	11	0	1	1	1
2046	0.00%	0	(0)	1	11	0	1	1	1
2047	0.00%	0	(0)	0	12	0	1	0	0
2048	0.00%	0	(0)	(0)	12	0	0	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████ A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.10	4.53	0.00	1.00	1.00
2016	1	1	4.92	11.88	5.02	0.00	1.00	1.00
2017	1	1	4.27	9.26	4.33	0.00	1.00	1.00
2018	1	1	5.27	13.39	5.35	0.00	1.00	1.00
2019	1	1	5.38	14.85	5.46	5.05	1.00	1.00
2020	1	1	5.65	14.17	5.73	5.04	1.00	1.00
2021	1	1	5.65	13.92	5.73	5.11	1.00	1.00
2022	1	1	5.60	13.97	5.67	5.07	1.00	1.00
2023	1	1	5.60	12.60	5.67	5.17	1.00	1.00
2024	1	1	5.81	12.22	5.88	5.46	1.00	1.00
2025	1	1	5.98	13.12	6.05	5.61	1.00	1.00
2026	1	1	5.73	10.77	5.79	5.73	1.00	1.00
2027	1	1	6.01	13.04	6.09	6.01	1.00	1.00
2028	1	1	6.07	11.21	6.15	6.10	1.00	1.00
2029	1	1	6.28	10.94	6.36	6.40	1.00	1.00
2030	1	1	6.34	10.60	6.41	6.40	1.00	1.00
2031	1	1	6.57	11.39	6.63	6.72	1.00	1.00
2032	1	1	6.62	9.45	6.67	6.79	1.00	1.00
2033	1	1	6.97	11.59	7.01	7.12	1.00	1.00
2034	1	1	7.05	9.87	7.09	7.32	1.00	1.00
2035	1	1	7.19	9.46	7.23	7.51	1.00	1.00
2036	1	1	7.47	10.30	7.51	7.70	1.00	1.00
2037	1	1	7.68	10.79	7.72	8.03	1.00	1.00
2038	1	1	7.94	10.77	7.98	8.32	1.00	1.00
2039	1	1	8.12	10.50	8.16	8.48	1.00	1.00
2040	1	1	8.35	10.78	8.38	8.85	1.00	1.00
2041	1	1	8.67	11.26	8.70	9.11	1.00	1.00
2042	1	1	8.99	12.15	9.03	9.45	1.00	1.00
2043	1	1	9.27	12.18	9.31	9.80	1.00	1.00
2044	1	1	9.60	12.81	9.64	10.24	1.00	1.00
2045	1	1	9.94	12.82	9.99	10.56	1.00	1.00
2046	1	1	10.25	12.54	10.29	10.91	1.00	1.00
2047	1	1	10.57	13.13	10.61	11.25	1.00	1.00
2048	1	1	11.00	14.36	11.05	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ██████████ **A**

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	2	1	0	3	3	2
2020	2	1	0	4	6	2
2021	2	1	0	5	6	2
2022	2	1	0	5	6	2
2023	2	1	0	5	6	2
2024	2	1	0	5	6	2
2025	2	1	0	5	6	2
2026	2	1	0	5	6	2
2027	2	1	0	6	6	2
2028	2	1	0	6	6	2
2029	1	1	0	6	7	2
2030	1	1	0	6	7	2
2031	1	1	0	6	7	2
2032	1	1	0	7	7	2
2033	1	1	0	7	7	2
2034	1	1	0	7	8	2
2035	1	1	0	7	8	2
2036	1	1	0	8	8	2
2037	1	1	0	8	8	2
2038	1	1	0	8	9	2
2039	1	1	0	9	9	2
2040	1	1	0	9	9	2
2041	1	2	0	9	10	2
2042	1	2	0	10	10	2
2043	1	2	0	10	10	2
2044	1	2	0	10	11	2
2045	1	2	0	11	11	2
2046	1	2	0	11	11	2
2047	1	2	0	12	12	2
2048	0	2	0	12	12	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	37	39	3	221	238	62
NPV	14	10	1	53	59	18



AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	1	0	0	0
2023	1	1	0	0	0
2024	1	1	0	0	0
2025	1	1	0	0	0
2026	1	1	0	0	0
2027	1	1	1	0	0
2028	1	1	1	0	0
2029	1	1	1	0	0
2030	1	2	1	0	0
2031	1	2	1	0	0
2032	1	2	1	0	0
2033	2	2	1	0	0
2034	2	2	1	0	0
2035	2	2	1	0	0
2036	2	3	1	0	1
2037	2	3	1	0	1
2038	2	3	1	0	1
2039	3	3	1	0	1
2040	3	4	2	0	1
2041	3	4	2	0	1
2042	3	4	2	0	1
2043	3	5	2	0	1
2044	4	5	2	0	1
2045	4	5	2	0	1
2046	4	6	2	0	1
2047	5	6	3	0	1
2048	5	6	3	0	1
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	58	76	33	0	15
NPV	10	14	6	0	3



PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	2	0	2	0	4	21	0	0	21	(17)	(16)
2016	4	0	0	0	4	0	0	0	0	4	(12)
2017	4	0	0	0	4	0	0	0	0	4	(9)
2018	5	0	0	0	5	0	0	0	0	5	(5)
2019	5	0	0	0	5	0	0	0	0	5	(2)
2020	5	0	0	0	5	0	0	0	0	5	2
2021	5	0	2	0	7	24	0	0	24	(17)	(9)
2022	5	0	0	0	5	0	0	0	0	5	(5)
2023	5	0	0	0	5	0	0	0	0	5	(3)
2024	6	0	0	0	6	0	0	0	0	6	0
2025	6	0	0	0	6	0	0	0	0	6	3
2026	6	0	0	0	6	0	0	0	0	6	5
2027	6	0	2	0	8	28	0	0	28	(20)	(3)
2028	6	0	0	0	6	0	0	0	0	6	(1)
2029	6	0	0	0	6	0	0	0	0	6	1
2030	6	0	0	0	6	0	0	0	0	6	3
2031	6	0	0	0	6	0	0	0	0	6	5
2032	7	0	0	0	7	0	0	0	0	7	7
2033	7	0	2	0	9	33	0	0	33	(24)	1
2034	7	0	0	0	7	0	0	0	0	7	3
2035	8	0	0	0	8	0	0	0	0	8	4
2036	8	0	0	0	8	0	0	0	0	8	6
2037	8	0	0	0	8	0	0	0	0	8	8
2038	9	0	0	0	9	0	0	0	0	9	9
2039	9	0	2	0	11	38	0	0	38	(27)	5
2040	9	0	0	0	9	0	0	0	0	9	6
2041	10	0	0	0	10	0	0	0	0	10	8
2042	10	0	0	0	10	0	0	0	0	10	9
2043	10	0	0	0	10	0	0	0	0	10	10
2044	11	0	0	0	11	0	0	0	0	11	11
2045	11	0	2	0	13	44	0	0	44	(31)	8
2046	12	0	0	0	12	0	0	0	0	12	9
2047	12	0	0	0	12	0	0	0	0	12	10
2048	13	0	0	0	13	0	0	0	0	13	11
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	251	0	13	0	263	189	0	0	189	75	
NPV	71	0	5	0	76	64	0	0	64	11	

In Service of Gen Unit: 2019  
Discount Rate : 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.18





**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	58.39 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	76.77273 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	841,784.78 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE.....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART I CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: \_\_\_\_\_ A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	11	0	11	18	4	160	0	160	
2016	0	0	0	0	36	8	0	0	0	
2017	0	0	0	0	37	9	0	0	0	
2018	0	0	0	0	41	9	0	0	0	
2019	0	0	0	0	45	9	0	0	0	
2020	0	0	0	0	46	10	0	0	0	
2021	0	0	0	0	46	10	0	0	0	
2022	0	0	0	0	47	11	0	0	0	
2023	0	0	0	0	50	10	0	0	0	
2024	0	0	0	0	52	10	0	0	0	
2025	0	0	0	0	53	9	0	0	0	
2026	0	0	0	0	55	9	0	0	0	
2027	0	0	0	0	56	9	0	0	0	
2028	0	11	0	12	58	9	221	0	221	
2029	0	0	0	0	60	9	0	0	0	
2030	0	0	0	0	62	9	0	0	0	
2031	0	0	0	0	64	9	0	0	0	
2032	0	0	0	0	67	10	0	0	0	
2033	0	0	0	0	73	10	0	0	0	
2034	0	0	0	0	76	10	0	0	0	
2035	0	0	0	0	79	10	0	0	0	
2036	0	0	0	0	85	10	0	0	0	
2037	0	0	0	0	89	10	0	0	0	
2038	0	0	0	0	93	10	0	0	0	
2039	0	0	0	0	96	10	0	0	0	
2040	0	0	0	0	100	10	0	0	0	
2041	1	11	0	12	104	11	304	0	304	
2042	0	0	0	0	109	11	0	0	0	
2043	0	0	0	0	116	11	0	0	0	
2044	0	0	0	0	122	11	0	0	0	
2045	0	0	0	0	128	11	0	0	0	
2046	0	0	0	0	135	11	0	0	0	
2047	0	0	0	0	142	11	0	0	0	
2048	0	0	0	0	149	11	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
NOM	1	33	0	35	2,590	331	685	0	685	
NPV	1	16	0	16	686	111	272	0	272	

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
YEAR												
2019	72	1	0	4	3	1	0	2	0	13	13	71
2020	69	1	0	4	2	1	0	2	1	12	11	73
2021	66	1	0	4	2	1	0	2	1	12	10	74
2022	63	1	0	4	2	1	0	2	1	11	9	76
2023	59	1	0	4	2	1	0	2	1	11	8	78
2024	56	1	0	4	2	1	0	2	1	10	7	80
2025	53	1	0	3	2	1	0	2	0	10	6	82
2026	51	1	0	3	2	1	0	2	0	10	6	84
2027	48	1	0	3	2	1	0	2	0	9	5	86
2028	45	1	0	3	2	1	0	2	0	9	5	89
2029	43	1	0	3	1	1	0	2	0	9	4	91
2030	40	1	0	2	1	1	0	2	0	8	4	93
2031	37	1	0	2	1	1	0	2	0	8	3	95
2032	34	1	0	2	1	1	0	2	0	7	3	98
2033	32	1	0	2	1	1	0	2	0	7	3	100
2034	29	1	0	2	1	1	0	2	0	7	2	103
2035	26	1	0	2	1	1	0	2	0	6	2	105
2036	24	0	0	1	1	1	0	2	0	6	2	108
2037	21	0	0	1	1	0	0	2	0	6	2	111
2038	18	0	0	1	0	0	0	2	0	5	1	113
2039	16	0	0	1	1	0	0	2	(0)	5	1	116
2040	13	0	0	1	1	0	0	2	(1)	4	1	119
2041	12	0	0	1	1	0	0	2	(1)	4	1	122
2042	10	0	0	1	1	0	0	2	(1)	4	1	125
2043	9	0	0	1	1	0	0	2	(1)	4	1	128
2044	7	0	0	0	1	0	0	2	(1)	4	1	131
2045	6	0	0	0	1	0	0	2	(1)	3	1	135
2046	4	0	0	0	1	0	0	2	(1)	3	0	138
2047	3	0	0	0	1	0	0	2	(1)	3	0	141
2048	1	0	0	0	1	0	0	2	(1)	3	0	145

IN SERVICE COST (\$000)	71
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	4	1	4	0	0	0	1	0
2021	6.68%	5	12	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	4	17	2	9	2	9	1	4	0	0	0	1	2
2023	5.71%	4	21	2	12	2	11	1	4	0	0	0	1	3
2024	5.29%	4	24	2	14	2	13	1	4	0	0	0	1	3
2025	4.89%	3	28	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	31	2	19	2	18	0	4	0	0	0	0	4
2027	4.46%	3	34	2	21	2	20	0	4	0	0	0	0	4
2028	4.46%	3	37	2	24	2	22	0	4	0	0	0	0	5
2029	4.46%	3	40	2	26	2	25	0	4	0	0	0	0	5
2030	4.46%	3	43	2	28	2	27	0	4	0	0	0	0	5
2031	4.46%	3	46	2	31	2	29	0	4	0	0	0	0	6
2032	4.46%	3	50	2	33	2	31	0	4	0	0	0	0	6
2033	4.46%	3	53	2	35	2	34	0	4	0	0	0	0	6
2034	4.46%	3	56	2	38	2	36	0	4	0	0	0	0	7
2035	4.46%	3	59	2	40	2	38	0	4	0	0	0	0	7
2036	4.46%	3	62	2	43	2	40	0	4	0	0	0	0	7
2037	4.46%	3	65	2	45	2	43	0	4	0	0	0	0	8
2038	4.46%	3	68	2	47	2	45	0	4	0	0	0	0	8
2039	2.23%	2	70	2	50	2	47	(0)	4	0	0	0	(0)	8
2040	0.00%	0	70	2	52	2	49	(1)	4	0	0	0	(1)	7
2041	0.00%	0	70	2	54	2	52	(1)	4	0	0	0	(1)	6
2042	0.00%	0	70	2	57	2	54	(1)	4	0	0	0	(1)	5
2043	0.00%	0	70	2	59	2	56	(1)	4	0	0	0	(1)	4
2044	0.00%	0	70	2	61	2	58	(1)	4	0	0	0	(1)	3
2045	0.00%	0	70	2	64	2	60	(1)	4	0	0	0	(1)	3
2046	0.00%	0	70	2	66	2	63	(1)	4	0	0	0	(1)	2
2047	0.00%	0	70	2	69	2	65	(1)	4	0	0	0	(1)	1
2048	0.00%	0	70	2	71	2	67	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION

PROGRAM METHOD SELECTED: REV\_REQ

PROGRAM NAME: ██████████ A

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	69	2	(1)	72	69	71
2020	7.22%	5	1	66	5	0	69	66	68
2021	6.68%	5	1	64	7	1	66	63	64
2022	6.18%	4	1	61	9	2	63	59	61
2023	5.71%	4	1	59	12	3	59	56	58
2024	5.29%	4	1	57	14	3	56	53	55
2025	4.89%	3	0	54	17	4	53	51	52
2026	4.52%	3	0	52	19	4	51	48	49
2027	4.46%	3	0	50	21	4	48	45	47
2028	4.46%	3	0	47	24	5	45	43	44
2029	4.46%	3	0	45	26	5	43	40	41
2030	4.46%	3	0	43	28	5	40	37	39
2031	4.46%	3	0	40	31	6	37	34	36
2032	4.46%	3	0	38	33	6	34	32	33
2033	4.46%	3	0	35	35	6	32	29	30
2034	4.46%	3	0	33	38	7	29	26	28
2035	4.46%	3	0	31	40	7	26	24	25
2036	4.46%	3	0	28	43	7	24	21	22
2037	4.46%	3	0	26	45	8	21	18	20
2038	4.46%	3	0	24	47	8	18	16	17
2039	2.23%	2	(0)	21	50	8	16	13	15
2040	0.00%	0	(1)	19	52	7	13	12	13
2041	0.00%	0	(1)	17	54	6	12	10	11
2042	0.00%	0	(1)	14	57	5	10	9	10
2043	0.00%	0	(1)	12	59	4	9	7	8
2044	0.00%	0	(1)	9	61	3	7	6	7
2045	0.00%	0	(1)	7	64	3	6	4	5
2046	0.00%	0	(1)	5	66	2	4	3	4
2047	0.00%	0	(1)	2	69	1	3	1	2
2048	0.00%	0	(1)	0	71	0	1	0	1

\* Column not specified in workbook



AVOIDED GENERATING BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ████████████████████████████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	14	19	13
2020	12	5	0	26	32	11
2021	12	5	0	26	33	11
2022	11	5	1	27	33	12
2023	11	6	1	28	33	12
2024	10	6	1	30	35	12
2025	10	6	1	31	36	12
2026	10	6	1	31	35	12
2027	9	6	1	32	36	12
2028	9	6	1	33	36	13
2029	9	6	1	34	38	12
2030	8	7	1	35	38	12
2031	8	7	1	37	40	12
2032	7	7	1	38	41	12
2033	7	7	1	40	43	12
2034	7	7	1	41	44	12
2035	6	8	1	43	45	12
2036	6	8	1	44	47	12
2037	6	8	1	46	49	12
2038	5	8	1	48	50	12
2039	5	8	1	50	51	12
2040	4	9	1	52	53	12
2041	4	9	1	53	55	12
2042	4	9	1	56	57	12
2043	4	9	1	57	59	12
2044	4	9	1	60	62	12
2045	3	10	1	62	64	12
2046	3	10	1	64	66	12
2047	3	10	1	66	68	12
2048	3	10	1	69	71	12
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	212	223	19	1,274	1,369	360
NPV	78	58	5	307	342	106





AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	2	3	4	0	4
2023	4	5	6	0	5
2024	4	5	7	0	6
2025	4	6	8	0	6
2026	5	6	9	0	7
2027	5	7	9	0	8
2028	6	7	10	0	9
2029	6	8	11	0	10
2030	7	9	13	0	10
2031	7	10	14	0	12
2032	8	11	15	0	13
2033	9	12	17	0	14
2034	10	13	18	0	15
2035	11	14	20	0	16
2036	12	15	21	0	18
2037	13	17	23	0	19
2038	14	18	25	0	21
2039	15	19	27	0	22
2040	16	21	29	0	24
2041	17	23	31	0	26
2042	19	24	34	0	28
2043	20	26	36	0	30
2044	21	28	39	0	32
2045	23	30	42	0	35
2046	24	32	45	0	37
2047	26	34	48	0	39
2048	28	36	51	0	42
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	335	439	613	0	509
NPV	60	79	110	0	92

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	160	0	160	0	0	35	0	35	(126)	(117)
2016	0	0	0	0	0	0	3	127	0	130	130	(4)
2017	0	0	0	0	0	0	3	94	0	97	97	74
2018	0	0	0	0	0	0	3	124	0	126	126	168
2019	0	0	0	0	0	13	3	160	0	176	176	291
2020	0	0	0	0	0	11	2	154	0	168	168	399
2021	0	0	0	0	0	11	2	143	0	156	156	494
2022	0	0	0	0	0	12	2	142	4	160	160	583
2023	0	0	0	0	0	12	2	150	5	170	170	672
2024	0	0	0	0	0	12	2	128	6	147	147	743
2025	0	0	0	0	0	12	2	149	6	170	170	820
2026	0	0	0	0	0	12	2	127	7	149	149	882
2027	0	0	0	0	0	12	2	144	8	166	166	947
2028	0	0	221	0	221	13	2	132	9	155	(66)	923
2029	0	0	0	0	0	12	2	119	10	143	143	971
2030	0	0	0	0	0	12	2	119	10	144	144	1,016
2031	0	0	0	0	0	12	2	130	12	155	155	1,061
2032	0	0	0	0	0	12	2	94	13	121	121	1,094
2033	0	0	0	0	0	12	2	130	14	157	157	1,134
2034	0	0	0	0	0	12	2	100	15	128	128	1,164
2035	0	0	0	0	0	12	2	91	16	121	121	1,190
2036	0	0	0	0	0	12	2	104	18	135	135	1,218
2037	0	0	0	0	0	12	2	108	19	141	141	1,244
2038	0	0	0	0	0	12	2	105	21	139	139	1,269
2039	0	0	0	0	0	12	2	100	22	136	136	1,291
2040	0	0	0	0	0	12	2	101	24	139	139	1,312
2041	0	1	304	0	305	12	2	107	26	146	(158)	1,290
2042	0	0	0	0	0	12	2	119	28	161	161	1,311
2043	0	0	0	0	0	12	2	116	30	160	160	1,330
2044	0	0	0	0	0	12	2	123	32	169	169	1,350
2045	0	0	0	0	0	12	2	120	35	169	169	1,367
2046	0	0	0	0	0	12	2	112	37	163	163	1,383
2047	0	0	0	0	0	12	1	119	39	173	173	1,399
2048	0	0	0	0	0	12	1	135	42	191	191	1,416
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	685	0	686	360	64	4,061	509	4,993	4,308	
NPV	0	1	272	0	272	106	24	1,466	92	1,688	1,416	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 6.20

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: \_\_\_\_\_

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	25	0	11	0	36	160	0	0	160	(124)	(115)
2016	52	0	0	0	52	0	0	0	0	52	(70)
2017	53	0	0	0	53	0	0	0	0	53	(27)
2018	59	0	0	0	59	0	0	0	0	59	17
2019	64	0	0	0	64	0	0	0	0	64	61
2020	65	0	0	0	65	0	0	0	0	65	103
2021	66	0	0	0	66	0	0	0	0	66	143
2022	68	0	0	0	68	0	0	0	0	68	181
2023	70	0	0	0	70	0	0	0	0	70	218
2024	72	0	0	0	72	0	0	0	0	72	252
2025	73	0	0	0	73	0	0	0	0	73	285
2026	75	0	0	0	75	0	0	0	0	75	317
2027	77	0	0	0	77	0	0	0	0	77	347
2028	79	0	11	0	90	221	0	0	221	(130)	300
2029	81	0	0	0	81	0	0	0	0	81	327
2030	84	0	0	0	84	0	0	0	0	84	353
2031	86	0	0	0	86	0	0	0	0	86	379
2032	90	0	0	0	90	0	0	0	0	90	403
2033	98	0	0	0	98	0	0	0	0	98	428
2034	102	0	0	0	102	0	0	0	0	102	452
2035	105	0	0	0	105	0	0	0	0	105	475
2036	113	0	0	0	113	0	0	0	0	113	498
2037	117	0	0	0	117	0	0	0	0	117	520
2038	122	0	0	0	122	0	0	0	0	122	541
2039	127	0	0	0	127	0	0	0	0	127	562
2040	131	0	0	0	131	0	0	0	0	131	582
2041	136	0	11	0	147	304	0	0	304	(157)	560
2042	142	0	0	0	142	0	0	0	0	142	578
2043	151	0	0	0	151	0	0	0	0	151	597
2044	158	0	0	0	158	0	0	0	0	158	615
2045	165	0	0	0	165	0	0	0	0	165	632
2046	173	0	0	0	173	0	0	0	0	173	649
2047	182	0	0	0	182	0	0	0	0	182	666
2048	190	0	0	0	190	0	0	0	0	190	682
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	3,452	0	33	0	3,485	685	0	0	685	2,800	
NPV	938	0	16	0	954	272	0	0	272	682	

In Service of Gen Unit: 2019  
 Discount Rate: 7.51 %  
 Benefit/Cost Ratio ( Col(6) / Col(10) ) 3.51

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	11	22	0	33	35	0	0	0	35	2	2
2016	0	0	0	44	0	44	127	3	0	0	130	86	76
2017	0	0	0	46	0	46	94	3	0	0	97	51	117
2018	0	0	0	50	0	50	124	3	0	0	126	76	174
2019	0	0	0	55	0	55	173	3	0	0	176	121	258
2020	0	0	0	55	0	55	165	2	0	0	168	113	331
2021	0	0	0	56	0	56	154	2	0	0	156	100	391
2022	0	0	0	58	0	58	154	2	0	4	160	102	448
2023	0	0	0	60	0	60	162	2	0	5	170	110	505
2024	0	0	0	61	0	61	139	2	0	6	147	86	547
2025	0	0	0	62	0	62	161	2	0	6	170	108	596
2026	0	0	0	64	0	64	139	2	0	7	149	85	631
2027	0	0	0	66	0	66	156	2	0	8	166	100	670
2028	0	0	11	67	0	79	145	2	0	9	155	76	698
2029	0	0	0	69	0	69	131	2	0	10	143	74	723
2030	0	0	0	71	0	71	131	2	0	10	144	73	746
2031	0	0	0	73	0	73	142	2	0	12	155	82	770
2032	0	0	0	77	0	77	106	2	0	13	121	44	782
2033	0	0	0	83	0	83	141	2	0	14	157	74	800
2034	0	0	0	86	0	86	111	2	0	15	128	42	810
2035	0	0	0	89	0	89	103	2	0	16	121	32	817
2036	0	0	0	95	0	95	116	2	0	18	135	40	825
2037	0	0	0	99	0	99	120	2	0	19	141	42	833
2038	0	0	0	103	0	103	116	2	0	21	139	36	839
2039	0	0	0	107	0	107	112	2	0	22	136	29	844
2040	0	0	0	110	0	110	113	2	0	24	139	29	848
2041	0	1	11	115	0	127	119	2	0	26	146	20	851
2042	0	0	0	120	0	120	131	2	0	28	161	41	857
2043	0	0	0	127	0	127	128	2	0	30	160	33	861
2044	0	0	0	133	0	133	135	2	0	32	169	36	865
2045	0	0	0	139	0	139	132	2	0	35	169	30	868
2046	0	0	0	146	0	146	124	2	0	37	163	17	870
2047	0	0	0	153	0	153	132	1	0	39	173	20	871
2048	0	0	0	160	0	160	148	1	0	42	191	31	874
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	33	2,921	0	2,956	4,421	64	0	509	4,993	2,038	
NPV	0	1	16	797	0	814	1,572	24	0	92	1,688	874	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.07

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	30.05 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	39.51261 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	207,246.70 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER .....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D .....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART 1 CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

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YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	6	0	6	4	2	62	0	62	
2016	0	0	0	0	9	5	0	0	0	
2017	0	0	0	0	9	5	0	0	0	
2018	0	0	0	0	11	5	0	0	0	
2019	0	0	0	0	11	5	0	0	0	
2020	0	0	0	0	12	5	0	0	0	
2021	0	0	0	0	12	6	0	0	0	
2022	0	0	0	0	12	6	0	0	0	
2023	0	0	0	0	13	5	0	0	0	
2024	0	0	0	0	13	5	0	0	0	
2025	0	0	0	0	13	5	0	0	0	
2026	0	0	0	0	14	5	0	0	0	
2027	0	0	0	0	14	5	0	0	0	
2028	0	0	0	0	15	5	0	0	0	
2029	0	0	0	0	15	5	0	0	0	
2030	0	0	0	0	16	5	0	0	0	
2031	0	6	0	7	16	5	92	0	92	
2032	0	0	0	0	17	5	0	0	0	
2033	0	0	0	0	18	5	0	0	0	
2034	0	0	0	0	19	6	0	0	0	
2035	0	0	0	0	20	6	0	0	0	
2036	0	0	0	0	22	6	0	0	0	
2037	0	0	0	0	22	6	0	0	0	
2038	0	0	0	0	23	6	0	0	0	
2039	0	0	0	0	24	6	0	0	0	
2040	0	0	0	0	25	6	0	0	0	
2041	0	0	0	0	26	6	0	0	0	
2042	0	0	0	0	28	6	0	0	0	
2043	0	0	0	0	29	6	0	0	0	
2044	0	0	0	0	31	6	0	0	0	
2045	0	0	0	0	32	6	0	0	0	
2046	0	0	0	0	34	6	0	0	0	
2047	1	6	0	7	36	6	136	0	136	
2048	0	0	0	0	38	6	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	1	19	0	20	656	184	289	0	289	
NPV	0	8	0	9	174	62	97	0	97	

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

CALCULATION OF GEN K-FACTOR  
 PROGRAM METHOD SELECTED REV\_REQ  
 PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	37	1	0	2	1	1	0	1	0	6	6	36
2020	36	1	0	2	1	1	0	1	1	6	6	37
2021	34	1	0	2	1	1	0	1	0	6	5	38
2022	32	1	0	2	1	1	0	1	0	6	5	39
2023	31	1	0	2	1	1	0	1	0	6	4	40
2024	29	1	0	2	1	1	0	1	0	5	4	41
2025	28	1	0	2	1	1	0	1	0	5	3	42
2026	26	1	0	2	1	0	0	1	0	5	3	43
2027	25	1	0	2	1	0	0	1	0	5	3	44
2028	23	0	0	1	1	0	0	1	0	5	2	46
2029	22	0	0	1	1	0	0	1	0	4	2	47
2030	21	0	0	1	1	0	0	1	0	4	2	48
2031	19	0	0	1	1	0	0	1	0	4	2	49
2032	18	0	0	1	1	0	0	1	0	4	1	50
2033	16	0	0	1	1	0	0	1	0	4	1	52
2034	15	0	0	1	0	0	0	1	0	3	1	53
2035	14	0	0	1	0	0	0	1	0	3	1	54
2036	12	0	0	1	0	0	0	1	0	3	1	55
2037	11	0	0	1	0	0	0	1	0	3	1	57
2038	9	0	0	1	0	0	0	1	0	3	1	58
2039	8	0	0	1	0	0	0	1	(0)	2	1	60
2040	7	0	0	0	1	0	0	1	(0)	2	1	61
2041	6	0	0	0	1	0	0	1	(0)	2	0	63
2042	5	0	0	0	1	0	0	1	(0)	2	0	64
2043	5	0	0	0	1	0	0	1	(0)	2	0	66
2044	4	0	0	0	1	0	0	1	(0)	2	0	68
2045	3	0	0	0	1	0	0	1	(0)	2	0	69
2046	2	0	0	0	1	0	0	1	(0)	2	0	71
2047	2	0	0	0	1	0	0	1	(0)	2	0	73
2048	1	0	0	0	1	0	0	1	(0)	1	0	75

IN SERVICE COST (\$000)	36
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05 %
P/S	0%	0.00 %
C/S	60%	10.50 %

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	1	1	1	1	1	1	0	2	0	0	0	0	(0)
2020	7.22%	3	4	1	2	1	2	1	2	0	0	0	1	0
2021	6.68%	2	6	1	4	1	3	0	2	0	0	0	0	1
2022	6.18%	2	9	1	5	1	5	0	2	0	0	0	0	1
2023	5.71%	2	11	1	6	1	6	0	2	0	0	0	0	1
2024	5.29%	2	13	1	7	1	7	0	2	0	0	0	0	2
2025	4.89%	2	14	1	9	1	8	0	2	0	0	0	0	2
2026	4.52%	2	16	1	10	1	9	0	2	0	0	0	0	2
2027	4.46%	2	17	1	11	1	10	0	2	0	0	0	0	2
2028	4.46%	2	19	1	12	1	12	0	2	0	0	0	0	2
2029	4.46%	2	21	1	13	1	13	0	2	0	0	0	0	3
2030	4.46%	2	22	1	15	1	14	0	2	0	0	0	0	3
2031	4.46%	2	24	1	16	1	15	0	2	0	0	0	0	3
2032	4.46%	2	25	1	17	1	16	0	2	0	0	0	0	3
2033	4.46%	2	27	1	18	1	17	0	2	0	0	0	0	3
2034	4.46%	2	29	1	19	1	18	0	2	0	0	0	0	3
2035	4.46%	2	30	1	21	1	20	0	2	0	0	0	0	4
2036	4.46%	2	32	1	22	1	21	0	2	0	0	0	0	4
2037	4.46%	2	34	1	23	1	22	0	2	0	0	0	0	4
2038	4.46%	2	35	1	24	1	23	0	2	0	0	0	0	4
2039	2.23%	1	36	1	26	1	24	(0)	2	0	0	0	(0)	4
2040	0.00%	0	36	1	27	1	25	(0)	2	0	0	0	(0)	4
2041	0.00%	0	36	1	28	1	27	(0)	2	0	0	0	(0)	3
2042	0.00%	0	36	1	29	1	28	(0)	2	0	0	0	(0)	3
2043	0.00%	0	36	1	30	1	29	(0)	2	0	0	0	(0)	2
2044	0.00%	0	36	1	32	1	30	(0)	2	0	0	0	(0)	2
2045	0.00%	0	36	1	33	1	31	(0)	2	0	0	0	(0)	1
2046	0.00%	0	36	1	34	1	32	(0)	2	0	0	0	(0)	1
2047	0.00%	0	36	1	35	1	33	(0)	2	0	0	0	(0)	0
2048	0.00%	0	36	1	36	1	35	(0)	2	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

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(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	35	1	(0)	37	36	36
2020	7.22%	3	1	34	2	0	36	34	35
2021	6.68%	2	0	33	4	1	34	32	33
2022	6.18%	2	0	32	5	1	32	31	31
2023	5.71%	2	0	30	6	1	31	29	30
2024	5.29%	2	0	29	7	2	29	28	28
2025	4.89%	2	0	28	9	2	28	26	27
2026	4.52%	2	0	27	10	2	26	25	25
2027	4.46%	2	0	26	11	2	25	23	24
2028	4.46%	2	0	24	12	2	23	22	23
2029	4.46%	2	0	23	13	3	22	21	21
2030	4.46%	2	0	22	15	3	21	19	20
2031	4.46%	2	0	21	16	3	19	18	18
2032	4.46%	2	0	19	17	3	18	16	17
2033	4.46%	2	0	18	18	3	16	15	16
2034	4.46%	2	0	17	19	3	15	14	14
2035	4.46%	2	0	16	21	4	14	12	13
2036	4.46%	2	0	15	22	4	12	11	11
2037	4.46%	2	0	13	23	4	11	9	10
2038	4.46%	2	0	12	24	4	9	8	9
2039	2.23%	1	(0)	11	26	4	8	7	7
2040	0.00%	0	(0)	10	27	4	7	6	7
2041	0.00%	0	(0)	9	28	3	6	5	6
2042	0.00%	0	(0)	7	29	3	5	5	5
2043	0.00%	0	(0)	6	30	2	5	4	4
2044	0.00%	0	(0)	5	32	2	4	3	3
2045	0.00%	0	(0)	4	33	1	3	2	3
2046	0.00%	0	(0)	2	34	1	2	2	2
2047	0.00%	0	(0)	1	35	0	2	1	1
2048	0.00%	0	(0)	0	36	0	1	0	0

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	6	3	0	7	10	7
2020	6	3	0	13	17	6
2021	6	3	0	14	17	6
2022	6	3	0	14	17	6
2023	6	3	0	15	17	6
2024	5	3	0	15	18	6
2025	5	3	0	16	18	6
2026	5	3	0	16	18	6
2027	5	3	0	16	18	6
2028	5	3	0	17	19	6
2029	4	3	0	18	20	6
2030	4	3	0	18	20	6
2031	4	4	0	19	21	6
2032	4	4	0	20	21	6
2033	4	4	0	20	22	6
2034	3	4	0	21	23	6
2035	3	4	0	22	23	6
2036	3	4	0	23	24	6
2037	3	4	0	24	25	6
2038	3	4	0	25	26	6
2039	2	4	0	26	26	6
2040	2	4	0	27	28	6
2041	2	4	0	27	28	6
2042	2	5	0	29	29	6
2043	2	5	0	30	30	6
2044	2	5	0	31	32	6
2045	2	5	0	32	33	6
2046	2	5	0	33	34	6
2047	2	5	0	34	35	6
2048	1	5	0	36	36	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	109	115	10	656	704	185
NPV	40	30	3	158	176	54

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME ██████████

A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	9	0
2016	1	0	1	0	0	0	31	0
2017	1	0	1	0	0	0	23	0
2018	1	0	1	0	0	0	30	0
2019	1	0	1	0	0	0	39	0
2020	1	0	1	0	0	0	38	0
2021	1	0	1	0	0	0	35	0
2022	1	0	1	0	0	0	35	0
2023	1	0	1	0	0	0	37	0
2024	1	0	1	0	0	0	31	0
2025	1	0	1	0	0	0	37	0
2026	1	0	1	0	0	0	31	0
2027	1	0	1	0	0	0	36	0
2028	1	0	1	0	0	0	32	0
2029	1	0	1	0	0	0	29	0
2030	1	0	1	0	0	0	29	0
2031	1	0	1	0	0	0	32	0
2032	1	0	1	0	0	0	23	0
2033	1	0	1	0	0	0	32	0
2034	0	0	1	0	0	0	25	0
2035	0	0	1	0	0	0	22	0
2036	0	0	1	0	0	0	25	0
2037	0	0	1	0	0	0	27	0
2038	0	0	1	0	0	0	26	0
2039	0	0	1	0	0	0	25	0
2040	0	0	1	0	0	0	25	0
2041	0	0	1	0	0	0	26	0
2042	0	0	1	0	0	0	29	0
2043	0	0	1	0	0	0	29	0
2044	0	0	1	0	0	0	30	0
2045	0	0	1	0	0	0	30	0
2046	0	0	1	0	0	0	28	0
2047	0	0	1	0	0	0	29	0
2048	0	0	1	0	0	0	33	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	19	7	27	2	4	6	1,000	0
NPV	8	2	10	1	1	2	361	0

\* 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\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	62	0	62	0	0	9	0	9	(53)	(50)
2016	0	0	0	0	0	0	1	31	0	33	33	(21)
2017	0	0	0	0	0	0	1	23	0	24	24	(2)
2018	0	0	0	0	0	0	1	30	0	32	32	22
2019	0	0	0	0	0	7	1	39	0	48	48	55
2020	0	0	0	0	0	6	1	38	0	45	45	85
2021	0	0	0	0	0	6	1	35	0	42	42	110
2022	0	0	0	0	0	6	1	35	1	43	43	134
2023	0	0	0	0	0	6	1	37	1	45	45	158
2024	0	0	0	0	0	6	1	31	1	40	40	177
2025	0	0	0	0	0	6	1	37	1	45	45	197
2026	0	0	0	0	0	6	1	31	1	40	40	214
2027	0	0	0	0	0	6	1	36	2	44	44	231
2028	0	0	0	0	0	6	1	32	2	42	42	246
2029	0	0	0	0	0	6	1	29	2	38	38	259
2030	0	0	0	0	0	6	1	29	2	39	39	271
2031	0	0	92	0	92	6	1	32	2	41	(51)	256
2032	0	0	0	0	0	6	1	23	2	33	33	265
2033	0	0	0	0	0	6	1	32	3	42	42	276
2034	0	0	0	0	0	6	1	25	3	34	34	284
2035	0	0	0	0	0	6	1	22	3	32	32	291
2036	0	0	0	0	0	6	1	25	3	36	36	298
2037	0	0	0	0	0	6	1	27	4	37	37	305
2038	0	0	0	0	0	6	1	26	4	37	37	312
2039	0	0	0	0	0	6	1	25	4	36	36	318
2040	0	0	0	0	0	6	1	25	5	37	37	323
2041	0	0	0	0	0	6	1	26	5	38	38	329
2042	0	0	0	0	0	6	1	29	5	42	42	334
2043	0	0	0	0	0	6	1	29	6	41	41	339
2044	0	0	0	0	0	6	1	30	6	43	43	344
2045	0	0	0	0	0	6	1	30	7	43	43	349
2046	0	0	0	0	0	6	1	28	7	42	42	353
2047	0	1	136	0	137	6	1	29	8	44	(93)	344
2048	0	0	0	0	0	6	1	33	8	48	48	348
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	289	0	291	185	33	1,000	97	1,315	1,025	
NPV	0	0	97	0	97	54	13	361	18	445	348	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 4.59

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	8	0	6	0	14	62	0	0	62	(48)	(45)
2016	16	0	0	0	16	0	0	0	0	16	(31)
2017	16	0	0	0	16	0	0	0	0	16	(18)
2018	18	0	0	0	18	0	0	0	0	18	(5)
2019	19	0	0	0	19	0	0	0	0	19	8
2020	19	0	0	0	19	0	0	0	0	19	21
2021	20	0	0	0	20	0	0	0	0	20	33
2022	20	0	0	0	20	0	0	0	0	20	44
2023	21	0	0	0	21	0	0	0	0	21	55
2024	21	0	0	0	21	0	0	0	0	21	65
2025	21	0	0	0	21	0	0	0	0	21	75
2026	22	0	0	0	22	0	0	0	0	22	84
2027	22	0	0	0	22	0	0	0	0	22	93
2028	23	0	0	0	23	0	0	0	0	23	101
2029	23	0	0	0	23	0	0	0	0	23	109
2030	24	0	0	0	24	0	0	0	0	24	117
2031	25	0	6	0	31	92	0	0	92	(61)	99
2032	26	0	0	0	26	0	0	0	0	26	106
2033	28	0	0	0	28	0	0	0	0	28	113
2034	29	0	0	0	29	0	0	0	0	29	120
2035	30	0	0	0	30	0	0	0	0	30	126
2036	32	0	0	0	32	0	0	0	0	32	133
2037	33	0	0	0	33	0	0	0	0	33	139
2038	34	0	0	0	34	0	0	0	0	34	145
2039	35	0	0	0	35	0	0	0	0	35	150
2040	36	0	0	0	36	0	0	0	0	36	156
2041	38	0	0	0	38	0	0	0	0	38	161
2042	39	0	0	0	39	0	0	0	0	39	167
2043	41	0	0	0	41	0	0	0	0	41	172
2044	43	0	0	0	43	0	0	0	0	43	177
2045	45	0	0	0	45	0	0	0	0	45	181
2046	47	0	0	0	47	0	0	0	0	47	186
2047	49	0	6	0	56	136	0	0	136	(80)	179
2048	52	0	0	0	52	0	0	0	0	52	183
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	975	0	19	0	994	289	0	0	289	704	
NPV	271	0	8	0	280	97	0	0	97	183	

In Service of Gen Unit: 2019  
 Discount Rate : 7.51 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) **2.89**





INPUT DATA -- PART I CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	149.00 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	195.92597 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	1,384,948.15 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

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 .....	7.51 %
* (11) UTILITY AFUDC RATE .....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	0.00 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	183	4	0	11	7	3	0	6	0	32	32	181
2020	177	4	0	11	4	3	0	6	3	31	29	185
2021	168	3	0	11	4	3	0	6	2	30	26	190
2022	160	3	0	10	4	3	0	6	2	29	23	195
2023	152	3	0	9	4	3	0	6	2	28	21	200
2024	144	3	0	9	4	3	0	6	1	27	18	205
2025	137	3	0	9	4	3	0	6	1	26	17	210
2026	129	3	0	8	4	2	0	6	1	25	15	215
2027	122	2	0	8	4	2	0	6	1	24	13	220
2028	116	2	0	7	4	2	0	6	1	23	12	226
2029	109	2	0	7	4	2	0	6	1	22	11	232
2030	102	2	0	6	3	2	0	6	1	21	9	237
2031	95	2	0	6	3	2	0	6	1	20	8	243
2032	88	2	0	6	3	2	0	6	1	19	7	249
2033	81	2	0	5	3	2	0	6	1	18	7	256
2034	74	2	0	5	2	2	0	6	1	17	6	262
2035	67	1	0	4	2	1	0	6	1	16	5	268
2036	60	1	0	4	2	1	0	6	1	15	4	275
2037	54	1	0	3	1	1	0	6	1	14	4	282
2038	47	1	0	3	1	1	0	6	1	13	3	289
2039	40	1	0	2	2	1	0	6	(1)	12	3	296
2040	34	1	0	2	4	1	0	6	(2)	11	3	304
2041	31	1	0	2	4	1	0	6	(2)	11	2	311
2042	27	1	0	2	3	1	0	6	(2)	10	2	319
2043	23	0	0	1	3	1	0	6	(2)	10	2	327
2044	19	0	0	1	3	0	0	6	(2)	9	2	335
2045	15	0	0	1	3	0	0	6	(2)	9	1	344
2046	11	0	0	1	3	0	0	6	(2)	8	1	352
2047	8	0	0	0	3	0	0	6	(2)	7	1	361
2048	4	0	0	0	3	(0)	0	6	(2)	7	1	370

IN SERVICE COST (\$000)	181
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05%
P/S	0%	0.00%
C/S	60%	10.50%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	7	7	6	6	6	6	0	9	0	0	0	0	(2)
2020	7.22%	13	20	6	12	6	11	3	9	0	0	0	3	1
2021	6.68%	12	31	6	18	6	17	2	9	0	0	0	2	3
2022	6.18%	11	42	6	24	6	23	2	9	0	0	0	2	5
2023	5.71%	10	53	6	30	6	29	2	9	0	0	0	2	7
2024	5.29%	9	62	6	36	6	34	1	9	0	0	0	2	8
2025	4.89%	9	71	6	42	6	40	1	9	0	0	0	1	9
2026	4.52%	8	79	6	48	6	46	1	9	0	0	0	1	10
2027	4.46%	8	87	6	54	6	51	1	9	0	0	0	1	11
2028	4.46%	8	95	6	60	6	57	1	9	0	0	0	1	12
2029	4.46%	8	103	6	66	6	63	1	9	0	0	0	1	13
2030	4.46%	8	111	6	72	6	69	1	9	0	0	0	1	14
2031	4.46%	8	118	6	78	6	74	1	9	0	0	0	1	15
2032	4.46%	8	126	6	84	6	80	1	9	0	0	0	1	15
2033	4.46%	8	134	6	90	6	86	1	9	0	0	0	1	16
2034	4.46%	8	142	6	96	6	91	1	9	0	0	0	1	17
2035	4.46%	8	150	6	102	6	97	1	9	0	0	0	1	18
2036	4.46%	8	158	6	109	6	103	1	9	0	0	0	1	19
2037	4.46%	8	166	6	115	6	109	1	9	0	0	0	1	20
2038	4.46%	8	174	6	121	6	114	1	9	0	0	0	1	21
2039	2.23%	4	178	6	127	6	120	(1)	9	0	0	0	(1)	20
2040	0.00%	0	178	6	133	6	126	(2)	9	0	0	0	(2)	18
2041	0.00%	0	178	6	139	6	131	(2)	9	0	0	0	(2)	15
2042	0.00%	0	178	6	145	6	137	(2)	9	0	0	0	(2)	13
2043	0.00%	0	178	6	151	6	143	(2)	9	0	0	0	(2)	11
2044	0.00%	0	178	6	157	6	149	(2)	9	0	0	0	(2)	9
2045	0.00%	0	178	6	163	6	154	(2)	9	0	0	0	(2)	7
2046	0.00%	0	178	6	169	6	160	(2)	9	0	0	0	(2)	4
2047	0.00%	0	178	6	175	6	166	(2)	9	0	0	0	(2)	2
2048	0.00%	0	178	6	181	6	172	(2)	9	0	0	0	(2)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(3)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	9
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEFTAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	7	0	175	6	(2)	183	177	180
2020	7.22%	13	3	169	12	1	177	168	173
2021	6.68%	12	2	163	18	3	168	160	164
2022	6.18%	11	2	157	24	5	160	152	156
2023	5.71%	10	2	151	30	7	152	144	148
2024	5.29%	9	1	145	36	8	144	137	140
2025	4.89%	9	1	139	42	9	137	129	133
2026	4.52%	8	1	133	48	10	129	122	126
2027	4.46%	8	1	127	54	11	122	116	119
2028	4.46%	8	1	121	60	12	116	109	112
2029	4.46%	8	1	115	66	13	109	102	105
2030	4.46%	8	1	109	72	14	102	95	98
2031	4.46%	8	1	102	78	15	95	88	91
2032	4.46%	8	1	96	84	15	88	81	85
2033	4.46%	8	1	90	90	16	81	74	78
2034	4.46%	8	1	84	96	17	74	67	71
2035	4.46%	8	1	78	102	18	67	60	64
2036	4.46%	8	1	72	109	19	60	54	57
2037	4.46%	8	1	66	115	20	54	47	50
2038	4.46%	8	1	60	121	21	47	40	43
2039	2.23%	4	(1)	54	127	20	40	34	37
2040	0.00%	0	(2)	48	133	18	34	31	32
2041	0.00%	0	(2)	42	139	15	31	27	29
2042	0.00%	0	(2)	36	145	13	27	23	25
2043	0.00%	0	(2)	30	151	11	23	19	21
2044	0.00%	0	(2)	24	157	9	19	15	17
2045	0.00%	0	(2)	18	163	7	15	11	13
2046	0.00%	0	(2)	12	169	4	11	8	10
2047	0.00%	0	(2)	6	175	2	8	4	6
2048	0.00%	0	(2)	(0)	181	0	4	0	2

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	32	13	1	37	48	34
2020	31	13	1	66	82	29
2021	30	14	1	67	84	28
2022	29	14	1	69	83	30
2023	28	14	1	72	85	31
2024	27	15	1	76	89	30
2025	26	15	1	79	91	30
2026	25	15	1	78	88	31
2027	24	16	1	81	92	30
2028	23	16	1	85	93	32
2029	22	17	1	88	97	30
2030	21	17	1	89	97	31
2031	20	17	1	93	102	30
2032	19	18	2	97	104	31
2033	18	18	2	102	110	30
2034	17	19	2	106	113	30
2035	16	19	2	109	116	31
2036	15	20	2	113	119	31
2037	14	20	2	118	124	30
2038	13	21	2	122	128	30
2039	12	21	2	127	131	31
2040	11	22	2	132	137	30
2041	11	22	2	136	140	30
2042	10	23	2	142	146	31
2043	10	23	2	146	151	31
2044	9	24	2	153	158	30
2045	9	25	2	158	163	31
2046	8	25	2	164	168	31
2047	7	26	2	169	173	31
2048	7	26	2	177	181	32
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	541	568	49	3,252	3,493	918
NPV	200	147	13	783	872	270





AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	1	0	1
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	6	8	7	0	5
2023	10	12	11	0	8
2024	10	14	12	0	9
2025	11	15	13	0	10
2026	12	16	14	0	11
2027	13	17	16	0	12
2028	14	19	17	0	13
2029	16	20	19	0	14
2030	17	23	21	0	15
2031	19	25	23	0	17
2032	21	28	25	0	18
2033	23	30	28	0	20
2034	25	33	30	0	22
2035	27	36	32	0	24
2036	30	39	35	0	26
2037	32	42	38	0	28
2038	35	46	41	0	30
2039	38	49	44	0	33
2040	41	53	48	0	35
2041	44	58	52	0	38
2042	47	62	56	0	41
2043	51	67	60	0	44
2044	55	72	64	0	47
2045	58	77	69	0	51
2046	62	82	73	0	54
2047	66	87	78	0	58
2048	71	93	83	0	61
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	856	1,121	1,013	0	747
NPV	154	201	183	0	136

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	530	0	531	0	0	64	0	64	(466)	(434)
2016	0	0	0	0	0	0	0	190	1	191	191	(268)
2017	0	0	0	0	0	0	0	160	0	160	160	(140)
2018	0	0	0	0	0	0	0	181	0	181	181	(4)
2019	0	0	0	0	0	34	0	262	0	296	296	202
2020	0	0	0	0	0	29	0	312	0	341	341	423
2021	0	0	0	0	0	28	0	287	0	315	315	613
2022	0	0	0	0	0	30	0	248	5	284	284	772
2023	0	0	0	0	0	31	0	220	8	259	259	907
2024	0	0	0	0	0	30	0	219	9	258	258	1,032
2025	0	0	0	0	0	30	0	278	10	318	318	1,175
2026	0	0	0	0	0	31	0	302	11	344	344	1,319
2027	0	0	0	0	0	30	0	264	12	306	306	1,439
2028	0	0	0	0	0	32	0	269	13	314	314	1,553
2029	0	0	0	0	0	30	0	200	14	245	245	1,635
2030	0	1	768	0	768	31	0	228	15	275	(493)	1,480
2031	0	0	0	0	0	30	0	265	17	312	312	1,571
2032	0	0	0	0	0	31	0	239	18	288	288	1,650
2033	0	0	0	0	0	30	0	247	20	298	298	1,725
2034	0	0	0	0	0	30	0	200	22	252	252	1,784
2035	0	0	0	0	0	31	0	180	24	234	234	1,835
2036	0	0	0	0	0	31	0	268	26	324	324	1,901
2037	0	0	0	0	0	30	0	277	28	335	335	1,964
2038	0	0	0	0	0	30	0	250	30	310	310	2,019
2039	0	0	0	0	0	31	0	205	33	269	269	2,063
2040	0	0	0	0	0	30	0	215	35	281	281	2,105
2041	0	0	0	0	0	30	0	234	38	303	303	2,148
2042	0	0	0	0	0	31	0	278	41	351	351	2,194
2043	0	0	0	0	0	31	0	255	44	330	330	2,235
2044	0	0	0	0	0	30	0	281	47	359	359	2,276
2045	0	1	1,112	0	1,113	31	0	253	51	334	(779)	2,193
2046	0	0	0	0	0	31	0	200	54	285	285	2,221
2047	0	0	0	0	0	31	0	207	58	296	296	2,248
2048	0	0	0	0	0	32	0	286	61	379	379	2,281
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
<b>NOM</b>	0	2	2,409	0	2,412	918	0	8,026	747	9,691	7,279	
<b>NPV</b>	0	1	852	0	852	270	0	2,728	136	3,133	2,281	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.68

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	34	0	31	0	64	530	0	0	530	(466)	(433)
2016	69	0	0	0	69	0	0	0	0	69	(374)
2017	71	0	0	0	71	0	0	0	0	71	(316)
2018	79	0	0	0	79	0	0	0	0	79	(257)
2019	88	0	0	0	88	0	0	0	0	88	(196)
2020	91	0	0	0	91	0	0	0	0	91	(137)
2021	93	0	0	0	93	0	0	0	0	93	(81)
2022	93	0	0	0	93	0	0	0	0	93	(29)
2023	92	0	0	0	92	0	0	0	0	92	19
2024	95	0	0	0	95	0	0	0	0	95	65
2025	96	0	0	0	96	0	0	0	0	96	108
2026	99	0	0	0	99	0	0	0	0	99	150
2027	102	0	0	0	102	0	0	0	0	102	189
2028	105	0	0	0	105	0	0	0	0	105	227
2029	108	0	0	0	108	0	0	0	0	108	264
2030	112	0	31	0	143	768	0	0	768	(625)	68
2031	116	0	0	0	116	0	0	0	0	116	101
2032	122	0	0	0	122	0	0	0	0	122	135
2033	133	0	0	0	133	0	0	0	0	133	168
2034	139	0	0	0	139	0	0	0	0	139	201
2035	144	0	0	0	144	0	0	0	0	144	232
2036	156	0	0	0	156	0	0	0	0	156	264
2037	162	0	0	0	162	0	0	0	0	162	294
2038	170	0	0	0	170	0	0	0	0	170	324
2039	177	0	0	0	177	0	0	0	0	177	353
2040	183	0	0	0	183	0	0	0	0	183	381
2041	192	0	0	0	192	0	0	0	0	192	408
2042	201	0	0	0	201	0	0	0	0	201	435
2043	215	0	0	0	215	0	0	0	0	215	461
2044	226	0	0	0	226	0	0	0	0	226	487
2045	237	0	31	0	268	1,112	0	0	1,112	(844)	397
2046	249	0	0	0	249	0	0	0	0	249	422
2047	262	0	0	0	262	0	0	0	0	262	446
2048	276	0	0	0	276	0	0	0	0	276	470
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	4,786	0	92	0	4,878	2,409	0	0	2,409	2,469	
NPV	1,280	0	41	0	1,321	852	0	0	852	470	

In Service of Gen Unit: 2019  
Discount Rate: 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10) ) 1.55

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	31	29	0	60	64	0	0	0	64	4	4
2016	0	0	0	59	0	59	190	0	0	1	191	132	118
2017	0	0	0	61	0	61	160	0	0	0	160	99	198
2018	0	0	0	67	0	67	181	0	0	0	181	114	283
2019	0	0	0	75	0	75	296	0	0	0	296	221	437
2020	0	0	0	78	0	78	341	0	0	0	341	263	608
2021	0	0	0	80	0	80	315	0	0	0	315	235	749
2022	0	0	0	80	0	80	279	0	0	5	284	204	864
2023	0	0	0	78	0	78	251	0	0	8	259	181	958
2024	0	0	0	80	0	80	249	0	0	9	258	178	1,044
2025	0	0	0	81	0	81	308	0	0	10	318	237	1,151
2026	0	0	0	83	0	83	333	0	0	11	344	261	1,260
2027	0	0	0	86	0	86	294	0	0	12	306	220	1,346
2028	0	0	0	88	0	88	302	0	0	13	314	226	1,428
2029	0	0	0	91	0	91	231	0	0	14	245	154	1,480
2030	0	1	31	94	0	126	260	0	0	15	275	149	1,480
2031	0	0	0	97	0	97	295	0	0	17	312	215	1,527
2032	0	0	0	103	0	103	270	0	0	18	288	185	1,590
2033	0	0	0	112	0	112	277	0	0	20	298	186	1,640
2034	0	0	0	116	0	116	230	0	0	22	252	136	1,687
2035	0	0	0	121	0	121	210	0	0	24	234	113	1,719
2036	0	0	0	131	0	131	299	0	0	26	324	194	1,744
2037	0	0	0	136	0	136	307	0	0	28	335	199	1,783
2038	0	0	0	142	0	142	280	0	0	30	310	168	1,821
2039	0	0	0	148	0	148	236	0	0	33	269	120	1,850
2040	0	0	0	154	0	154	245	0	0	35	281	127	1,870
2041	0	0	0	161	0	161	265	0	0	38	303	142	1,889
2042	0	0	0	168	0	168	310	0	0	41	351	182	1,909
2043	0	0	0	180	0	180	285	0	0	44	330	150	1,933
2044	0	0	0	189	0	189	311	0	0	47	359	170	1,951
2045	0	1	31	198	0	230	283	0	0	51	334	104	1,971
2046	0	0	0	208	0	208	231	0	0	54	285	77	1,982
2047	0	0	0	219	0	219	238	0	0	58	296	77	1,989
2048	0	0	0	231	0	231	317	0	0	61	379	148	1,996
	0	0	0	0	0	0	0	0	0	0	0	0	2,009
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	2	92	4,024	0	4,118	8,944	0	0	747	9,691	5,573	
NPV	0	1	41	1,082	0	1,124	2,997	0	0	136	3,133	2,009	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.79

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	586.50 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	771.21194 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	3,523,079.38 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

**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 .....	7.54 %
* (11) UTILITY AFUDC RATE.....	6.50 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA -- PART 1 CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	1	121	0	122	69	41	750	0	0	750
2015	0	0	0	0	127	81	0	0	0	0
2016	0	0	0	0	130	81	0	0	0	0
2017	0	0	0	0	134	85	0	0	0	0
2018	0	0	0	0	151	86	0	0	0	0
2019	0	0	0	0	166	93	0	0	0	0
2020	0	0	0	0	170	98	0	0	0	0
2021	0	0	0	0	172	104	0	0	0	0
2022	0	0	0	0	175	106	0	0	0	0
2023	0	0	0	0	184	91	0	0	0	0
2024	1	121	0	122	190	91	960	0	0	960
2025	0	0	0	0	195	87	0	0	0	0
2026	0	0	0	0	202	85	0	0	0	0
2027	0	0	0	0	208	85	0	0	0	0
2028	0	0	0	0	215	85	0	0	0	0
2029	0	0	0	0	222	86	0	0	0	0
2030	0	0	0	0	230	86	0	0	0	0
2031	0	0	0	0	237	86	0	0	0	0
2032	0	0	0	0	251	88	0	0	0	0
2033	0	0	0	0	274	90	0	0	0	0
2034	2	121	0	122	286	91	1,229	0	0	1,229
2035	0	0	0	0	298	91	0	0	0	0
2036	0	0	0	0	323	92	0	0	0	0
2037	0	0	0	0	336	93	0	0	0	0
2038	0	0	0	0	352	94	0	0	0	0
2039	0	0	0	0	367	94	0	0	0	0
2040	0	0	0	0	381	95	0	0	0	0
2041	0	0	0	0	399	96	0	0	0	0
2042	0	0	0	0	419	96	0	0	0	0
2043	0	0	0	0	447	97	0	0	0	0
2044	2	121	0	123	470	98	1,573	0	0	1,573
2045	0	0	0	0	494	99	0	0	0	0
2046	0	0	0	0	520	100	0	0	0	0
2047	0	0	0	0	548	101	0	0	0	0
2048	0	0	0	0	577	102	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	6	483	0	489	9,917	3,173	4,512	0	0	4,512
NPV	2	221	0	223	2,676	1,136	1,680	0	0	1,680

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

CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████

A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	723	15	0	45	28	13	0	24	1	126	126	713
2020	698	14	0	44	17	12	0	24	11	123	114	731
2021	663	14	0	42	17	12	0	24	9	118	102	749
2022	630	13	0	39	18	11	0	24	8	114	91	768
2023	598	12	0	37	18	11	0	24	7	109	82	787
2024	568	12	0	36	17	10	0	24	6	105	73	807
2025	538	11	0	34	17	10	0	24	5	101	65	827
2026	510	11	0	32	17	10	0	24	4	97	58	848
2027	483	10	0	30	16	9	0	24	3	93	52	869
2028	456	9	0	29	15	9	0	24	3	90	47	891
2029	428	9	0	27	14	8	0	24	3	86	42	913
2030	401	8	0	25	13	8	0	24	3	82	37	936
2031	374	8	0	23	12	7	1	24	3	78	33	959
2032	347	7	0	22	11	7	1	24	3	75	29	983
2033	320	7	0	20	10	6	1	24	3	71	26	1,008
2034	293	6	0	18	9	6	1	24	3	67	23	1,033
2035	266	6	0	17	8	6	1	24	3	63	20	1,059
2036	238	5	0	15	7	5	1	24	3	60	17	1,085
2037	211	4	0	13	6	5	1	24	3	56	15	1,112
2038	184	4	0	12	5	4	1	24	3	52	13	1,140
2039	157	3	0	10	10	4	1	24	(3)	48	11	1,169
2040	136	3	0	8	15	3	1	24	(9)	45	10	1,198
2041	121	3	0	8	14	3	1	24	(9)	43	9	1,228
2042	106	2	0	7	14	3	1	24	(9)	41	8	1,259
2043	91	2	0	6	13	2	1	24	(9)	39	7	1,290
2044	75	2	0	5	12	2	1	24	(9)	36	6	1,322
2045	60	1	0	4	12	1	1	24	(9)	34	5	1,355
2046	45	1	0	3	11	1	1	24	(9)	32	4	1,389
2047	30	1	0	2	11	0	1	24	(9)	29	4	1,424
2048	15	0	0	1	10	(0)	1	24	(9)	27	3	1,460

IN SERVICE COST (\$000)	713
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	26	26	24	24	23	23	1	38	0	0	0	1	(9)
2020	7.22%	51	77	24	48	23	45	11	38	0	0	0	11	2
2021	6.68%	47	124	24	71	23	68	9	38	0	0	0	9	12
2022	6.18%	43	167	24	95	23	90	8	38	0	0	0	8	20
2023	5.71%	40	207	24	119	23	113	7	38	0	0	0	7	26
2024	5.29%	37	244	24	143	23	135	6	38	0	0	0	6	32
2025	4.89%	34	279	24	166	23	158	5	38	0	0	0	5	37
2026	4.52%	32	310	24	190	23	180	4	38	0	0	0	4	40
2027	4.46%	31	342	24	214	23	203	3	38	0	0	0	3	44
2028	4.46%	31	373	24	238	23	225	3	38	0	0	0	3	47
2029	4.46%	31	404	24	262	23	248	3	38	0	0	0	3	50
2030	4.46%	31	436	24	285	23	270	3	38	0	0	0	3	54
2031	4.46%	31	467	24	309	23	293	3	38	0	0	0	3	57
2032	4.46%	31	498	24	333	23	315	3	38	0	0	0	3	61
2033	4.46%	31	529	24	357	23	338	3	38	0	0	0	3	64
2034	4.46%	31	561	24	380	23	360	3	38	0	0	0	3	67
2035	4.46%	31	592	24	404	23	383	3	38	0	0	0	3	71
2036	4.46%	31	623	24	428	23	405	3	38	0	0	0	3	74
2037	4.46%	31	655	24	452	23	428	3	38	0	0	0	3	77
2038	4.46%	31	686	24	475	23	450	3	38	0	0	0	3	81
2039	2.23%	16	702	24	499	23	473	(3)	38	0	0	0	(3)	78
2040	0.00%	0	702	24	523	23	496	(9)	38	0	0	0	(9)	70
2041	0.00%	0	702	24	547	23	518	(9)	38	0	0	0	(9)	61
2042	0.00%	0	702	24	571	23	541	(9)	38	0	0	0	(9)	52
2043	0.00%	0	702	24	594	23	563	(9)	38	0	0	0	(9)	43
2044	0.00%	0	702	24	618	23	586	(9)	38	0	0	0	(9)	35
2045	0.00%	0	702	24	642	23	608	(9)	38	0	0	0	(9)	26
2046	0.00%	0	702	24	666	23	631	(9)	38	0	0	0	(9)	17
2047	0.00%	0	702	24	689	23	653	(9)	38	0	0	0	(9)	9
2048	0.00%	0	702	24	713	23	676	(9)	38	0	0	0	(9)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(10)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	38
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	26	1	689	24	(9)	723	698	711
2020	7.22%	51	11	666	48	2	698	663	681
2021	6.68%	47	9	642	71	12	663	630	647
2022	6.18%	43	8	618	95	20	630	598	614
2023	5.71%	40	7	594	119	26	598	568	583
2024	5.29%	37	6	571	143	32	568	538	553
2025	4.89%	34	5	547	166	37	538	510	524
2026	4.52%	32	4	523	190	40	510	483	496
2027	4.46%	31	3	499	214	44	483	456	469
2028	4.46%	31	3	475	238	47	456	428	442
2029	4.46%	31	3	452	262	50	428	401	415
2030	4.46%	31	3	428	285	54	401	374	388
2031	4.46%	31	3	404	309	57	374	347	361
2032	4.46%	31	3	380	333	61	347	320	333
2033	4.46%	31	3	357	357	64	320	293	306
2034	4.46%	31	3	333	380	67	293	266	279
2035	4.46%	31	3	309	404	71	266	238	252
2036	4.46%	31	3	285	428	74	238	211	225
2037	4.46%	31	3	262	452	77	211	184	198
2038	4.46%	31	3	238	475	81	184	157	170
2039	2.23%	16	(3)	214	499	78	157	136	146
2040	0.00%	0	(9)	190	523	70	136	121	128
2041	0.00%	0	(9)	166	547	61	121	106	113
2042	0.00%	0	(9)	143	571	52	106	91	98
2043	0.00%	0	(9)	119	594	43	91	75	83
2044	0.00%	0	(9)	95	618	35	75	60	68
2045	0.00%	0	(9)	71	642	26	60	45	53
2046	0.00%	0	(9)	48	666	17	45	30	38
2047	0.00%	0	(9)	24	689	9	30	15	23
2048	0.00%	0	(9)	(0)	713	0	15	0	8

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: ██████████

A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	126	51	3	145	190	135
2020	123	52	5	260	325	115
2021	118	53	5	264	330	111
2022	114	55	5	272	327	119
2023	109	56	5	285	333	123
2024	105	58	5	301	351	118
2025	101	59	5	310	357	119
2026	97	61	5	308	348	123
2027	93	62	5	318	360	118
2028	90	64	5	334	365	127
2029	86	65	6	345	382	120
2030	82	67	6	352	383	123
2031	78	68	6	368	403	117
2032	75	70	6	381	410	122
2033	71	72	6	400	432	117
2034	67	74	6	415	444	118
2035	63	76	7	430	455	120
2036	60	77	7	446	469	121
2037	56	79	7	463	487	118
2038	52	81	7	482	505	117
2039	48	83	7	499	515	123
2040	45	86	7	518	537	119
2041	43	88	8	534	553	120
2042	41	90	8	558	573	123
2043	39	92	8	577	595	121
2044	36	94	8	601	622	118
2045	34	97	8	624	641	121
2046	32	99	9	647	662	124
2047	29	102	9	667	683	124
2048	27	104	9	696	712	125
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	2,140	2,235	194	12,800	13,749	3,621
NPV	787	577	50	3,070	3,422	1,061



AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	3	0	3
2015	0	0	2	0	2
2016	0	0	2	0	2
2017	0	0	0	0	0
2018	0	0	1	0	1
2019	0	0	1	0	1
2020	0	0	1	0	1
2021	0	0	1	0	1
2022	25	33	19	0	11
2023	37	49	27	0	16
2024	41	54	31	0	18
2025	45	59	33	0	20
2026	47	62	36	0	22
2027	51	67	40	0	24
2028	56	73	44	0	26
2029	61	81	49	0	29
2030	68	89	53	0	32
2031	75	98	59	0	35
2032	83	109	64	0	38
2033	91	120	70	0	42
2034	99	130	76	0	45
2035	108	141	82	0	49
2036	117	154	89	0	53
2037	127	166	97	0	58
2038	137	180	105	0	62
2039	148	194	113	0	67
2040	160	210	122	0	72
2041	173	227	132	0	78
2042	186	244	142	0	84
2043	200	262	153	0	90
2044	215	282	164	0	97
2045	230	302	175	0	104
2046	246	322	187	0	111
2047	262	343	199	0	118
2048	279	365	212	0	126
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	3,369	4,414	2,581	0	1,535
NPV	602	789	468	0	281

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	1	750	0	751	0	0	138	3	141	(610)	(610)
2015	0	0	0	0	0	0	27	325	2	354	354	(281)
2016	0	0	0	0	0	0	26	484	2	512	512	161
2017	0	0	0	0	0	0	25	406	0	431	431	508
2018	0	0	0	0	0	0	24	461	1	486	486	871
2019	0	0	0	0	0	135	24	666	1	826	826	1,445
2020	0	0	0	0	0	115	23	793	1	932	932	2,048
2021	0	0	0	0	0	111	23	730	1	864	864	2,568
2022	0	0	0	0	0	119	22	632	11	784	784	3,006
2023	0	0	0	0	0	123	21	560	16	720	720	3,380
2024	0	1	960	0	961	118	21	558	18	714	(247)	3,261
2025	0	0	0	0	0	119	20	708	20	866	866	3,650
2026	0	0	0	0	0	123	20	769	22	933	933	4,041
2027	0	0	0	0	0	118	19	672	24	834	834	4,365
2028	0	0	0	0	0	127	19	685	26	857	857	4,675
2029	0	0	0	0	0	120	18	510	29	677	677	4,903
2030	0	0	0	0	0	123	18	581	32	753	753	5,138
2031	0	0	0	0	0	117	17	674	35	844	844	5,384
2032	0	0	0	0	0	122	17	607	38	784	784	5,596
2033	0	0	0	0	0	117	17	630	42	806	806	5,799
2034	0	2	1,229	0	1,231	118	17	509	45	690	(541)	5,672
2035	0	0	0	0	0	120	17	457	49	643	643	5,812
2036	0	0	0	0	0	121	16	682	53	872	872	5,988
2037	0	0	0	0	0	118	16	705	58	897	897	6,157
2038	0	0	0	0	0	117	16	636	62	831	831	6,302
2039	0	0	0	0	0	123	16	521	67	727	727	6,421
2040	0	0	0	0	0	119	16	547	72	754	754	6,535
2041	0	0	0	0	0	120	16	596	78	810	810	6,649
2042	0	0	0	0	0	123	16	708	84	931	931	6,770
2043	0	0	0	0	0	121	16	648	90	875	875	6,877
2044	0	2	1,573	0	1,575	118	15	716	97	946	(629)	6,806
2045	0	0	0	0	0	121	15	643	104	882	882	6,898
2046	0	0	0	0	0	124	15	508	111	758	758	6,973
2047	0	0	0	0	0	124	15	526	118	783	783	7,044
2048	0	0	0	0	0	125	15	727	126	992	992	7,128
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	6	4,512	0	4,518	3,621	636	20,717	1,535	26,509	21,990	
NPV	0	2	1,680	0	1,682	1,061	257	7,211	281	8,809	7,128	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 5.24

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	124	0	121	0	245	750	0	0	750	(505)	(505)
2015	234	0	0	0	234	0	0	0	0	234	(288)
2016	238	0	0	0	238	0	0	0	0	238	(82)
2017	247	0	0	0	247	0	0	0	0	247	116
2018	268	0	0	0	268	0	0	0	0	268	316
2019	293	0	0	0	293	0	0	0	0	293	520
2020	303	0	0	0	303	0	0	0	0	303	716
2021	311	0	0	0	311	0	0	0	0	311	903
2022	317	0	0	0	317	0	0	0	0	317	1,080
2023	313	0	0	0	313	0	0	0	0	313	1,243
2024	320	0	121	0	440	960	0	0	960	(520)	991
2025	321	0	0	0	321	0	0	0	0	321	1,136
2026	328	0	0	0	328	0	0	0	0	328	1,273
2027	335	0	0	0	335	0	0	0	0	335	1,403
2028	344	0	0	0	344	0	0	0	0	344	1,528
2029	353	0	0	0	353	0	0	0	0	353	1,646
2030	362	0	0	0	362	0	0	0	0	362	1,760
2031	372	0	0	0	372	0	0	0	0	372	1,868
2032	390	0	0	0	390	0	0	0	0	390	1,974
2033	420	0	0	0	420	0	0	0	0	420	2,079
2034	436	0	121	0	557	1,229	0	0	1,229	(672)	1,922
2035	450	0	0	0	450	0	0	0	0	450	2,020
2036	481	0	0	0	481	0	0	0	0	481	2,117
2037	499	0	0	0	499	0	0	0	0	499	2,211
2038	518	0	0	0	518	0	0	0	0	518	2,301
2039	537	0	0	0	537	0	0	0	0	537	2,389
2040	554	0	0	0	554	0	0	0	0	554	2,473
2041	577	0	0	0	577	0	0	0	0	577	2,554
2042	601	0	0	0	601	0	0	0	0	601	2,632
2043	636	0	0	0	636	0	0	0	0	636	2,709
2044	664	0	121	0	785	1,573	0	0	1,573	(788)	2,620
2045	695	0	0	0	695	0	0	0	0	695	2,693
2046	727	0	0	0	727	0	0	0	0	727	2,765
2047	761	0	0	0	761	0	0	0	0	761	2,834
2048	796	0	0	0	796	0	0	0	0	796	2,901
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	15,121	0	483	0	15,605	4,512	0	0	4,512	11,092	
NPV	4,359	0	221	0	4,581	1,680	0	0	1,680	2,901	

In Service of Gen Unit: 2019  
Discount Rate: 7.54 %  
Benefit/Cost Ratio ( Col(6) / Col(10) ) 2.73

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	1	121	110	0	232	138	0	0	3	141	(91)	(91)
2015	0	0	0	208	0	208	325	27	0	2	354	146	45
2016	0	0	0	211	0	211	484	26	0	2	512	301	304
2017	0	0	0	219	0	219	406	25	0	0	431	212	475
2018	0	0	0	237	0	237	461	24	0	1	486	249	661
2019	0	0	0	259	0	259	801	24	0	1	826	567	1,055
2020	0	0	0	268	0	268	908	23	0	1	932	664	1,485
2021	0	0	0	276	0	276	840	23	0	1	864	588	1,838
2022	0	0	0	281	0	281	751	22	0	11	784	503	2,120
2023	0	0	0	275	0	275	683	21	0	16	720	445	2,351
2024	0	1	121	281	0	403	675	21	0	18	714	311	2,502
2025	0	0	0	281	0	281	827	20	0	20	866	585	2,765
2026	0	0	0	286	0	286	892	20	0	22	933	647	3,035
2027	0	0	0	293	0	293	790	19	0	24	834	541	3,246
2028	0	0	0	300	0	300	812	19	0	26	857	557	3,447
2029	0	0	0	308	0	308	630	18	0	29	677	370	3,572
2030	0	0	0	315	0	315	704	18	0	32	753	438	3,709
2031	0	0	0	324	0	324	792	17	0	35	844	521	3,860
2032	0	0	0	339	0	339	729	17	0	38	784	446	3,981
2033	0	0	0	363	0	363	747	17	0	42	806	442	4,092
2034	0	2	121	377	0	500	628	17	0	45	690	190	4,136
2035	0	0	0	389	0	389	577	17	0	49	643	254	4,191
2036	0	0	0	415	0	415	803	16	0	53	872	457	4,284
2037	0	0	0	430	0	430	823	16	0	58	897	468	4,372
2038	0	0	0	446	0	446	753	16	0	62	831	385	4,439
2039	0	0	0	462	0	462	644	16	0	67	727	265	4,482
2040	0	0	0	476	0	476	666	16	0	72	754	278	4,524
2041	0	0	0	495	0	495	716	16	0	78	810	315	4,569
2042	0	0	0	515	0	515	831	16	0	84	931	416	4,623
2043	0	0	0	544	0	544	769	16	0	90	875	331	4,663
2044	0	2	121	568	0	691	834	15	0	97	946	255	4,692
2045	0	0	0	593	0	593	764	15	0	104	882	289	4,722
2046	0	0	0	620	0	620	632	15	0	111	758	138	4,736
2047	0	0	0	648	0	648	650	15	0	118	783	134	4,748
2048	0	0	0	678	0	678	851	15	0	126	992	313	4,775
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	6	483	13,090	0	13,579	24,338	636	0	1,535	26,509	12,929	
NPV	0	2	221	3,811	0	4,035	8,272	257	0	281	8,809	4,775	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.18



I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER .....	75.33 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	99.05438 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	869,521.73 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

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 .....	7.54 %
* (11) UTILITY AFUDC RATE.....	6.50 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

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







DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████████████████████████████ A

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) DEFERRED TAX \$(000)	(5) END OF YEAR NET PLANT IN SERVICE \$(000)	(5a)* ACCUMULATED DEPRECIATION \$(000)	(5b)* ACCUMULATED DEF TAXES \$(000)	(6) BEGINNING YEAR RATE BASE \$(000)	(7) ENDING OF YEAR RATE BASE \$(000)	(8) MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	89	3	(1)	93	90	91
2020	7.22%	7	1	85	6	0	90	85	87
2021	6.68%	6	1	82	9	2	85	81	83
2022	6.18%	6	1	79	12	3	81	77	79
2023	5.71%	5	1	76	15	3	77	73	75
2024	5.29%	5	1	73	18	4	73	69	71
2025	4.89%	4	1	70	21	5	69	66	67
2026	4.52%	4	0	67	24	5	66	62	64
2027	4.46%	4	0	64	27	6	62	59	60
2028	4.46%	4	0	61	31	6	59	55	57
2029	4.46%	4	0	58	34	6	55	52	53
2030	4.46%	4	0	55	37	7	52	48	50
2031	4.46%	4	0	52	40	7	48	45	46
2032	4.46%	4	0	49	43	8	45	41	43
2033	4.46%	4	0	46	46	8	41	38	39
2034	4.46%	4	0	43	49	9	38	34	36
2035	4.46%	4	0	40	52	9	34	31	32
2036	4.46%	4	0	37	55	10	31	27	29
2037	4.46%	4	0	34	58	10	27	24	25
2038	4.46%	4	0	31	61	10	24	20	22
2039	2.23%	2	(0)	27	64	10	20	17	19
2040	0.00%	0	(1)	24	67	9	17	15	16
2041	0.00%	0	(1)	21	70	8	15	14	15
2042	0.00%	0	(1)	18	73	7	14	12	13
2043	0.00%	0	(1)	15	76	6	12	10	11
2044	0.00%	0	(1)	12	79	4	10	8	9
2045	0.00%	0	(1)	9	82	3	8	6	7
2046	0.00%	0	(1)	6	85	2	6	4	5
2047	0.00%	0	(1)	3	89	1	4	2	3
2048	0.00%	0	(1)	0	92	0	2	0	1

\* Column not specified in workbook

INPUT DATA – PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: ██████████

A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	16	7	0	19	24	17
2020	16	7	1	33	42	15
2021	15	7	1	34	42	14
2022	15	7	1	35	42	15
2023	14	7	1	37	43	16
2024	13	7	1	39	45	15
2025	13	8	1	40	46	15
2026	12	8	1	40	45	16
2027	12	8	1	41	46	15
2028	12	8	1	43	47	16
2029	11	8	1	44	49	15
2030	11	9	1	45	49	16
2031	10	9	1	47	52	15
2032	10	9	1	49	53	16
2033	9	9	1	51	55	15
2034	9	9	1	53	57	15
2035	8	10	1	55	58	15
2036	8	10	1	57	60	16
2037	7	10	1	60	63	15
2038	7	10	1	62	65	15
2039	6	11	1	64	66	16
2040	6	11	1	67	69	15
2041	6	11	1	69	71	15
2042	5	12	1	72	74	16
2043	5	12	1	74	76	15
2044	5	12	1	77	80	15
2045	4	12	1	80	82	16
2046	4	13	1	83	85	16
2047	4	13	1	86	88	16
2048	3	13	1	89	91	16
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	275	287	25	1,644	1,766	465
NPV	101	74	6	394	440	136







TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	146	0	146	0	0	34	0	34	(112)	(112)
2015	0	0	0	0	0	0	3	74	1	78	78	(40)
2016	0	0	0	0	0	0	3	119	0	122	122	66
2017	0	0	0	0	0	0	3	100	0	103	103	149
2018	0	0	0	0	0	0	3	131	0	135	135	250
2019	0	0	0	0	0	17	3	187	0	207	207	394
2020	0	0	0	0	0	15	3	171	0	189	189	516
2021	0	0	0	0	0	14	3	160	0	177	177	623
2022	0	0	0	0	0	15	3	148	4	170	170	718
2023	0	0	0	0	0	16	3	150	5	173	173	808
2024	0	0	187	0	187	15	3	132	6	155	(32)	792
2025	0	0	0	0	0	15	3	166	6	190	190	878
2026	0	0	0	0	0	16	3	155	7	181	181	953
2027	0	0	0	0	0	15	2	146	8	171	171	1,020
2028	0	0	0	0	0	16	2	166	8	193	193	1,090
2029	0	0	0	0	0	15	2	128	9	155	155	1,142
2030	0	0	0	0	0	16	2	151	10	179	179	1,198
2031	0	0	0	0	0	15	2	157	11	186	186	1,252
2032	0	0	0	0	0	16	2	113	12	143	143	1,291
2033	0	0	0	0	0	15	2	162	14	193	193	1,339
2034	0	0	240	0	240	15	2	118	15	150	(89)	1,318
2035	0	0	0	0	0	15	2	103	16	137	137	1,348
2036	0	0	0	0	0	16	2	122	17	157	157	1,380
2037	0	0	0	0	0	15	2	127	19	163	163	1,410
2038	0	0	0	0	0	15	2	120	20	157	157	1,438
2039	0	0	0	0	0	16	2	112	22	151	151	1,462
2040	0	0	0	0	0	15	2	112	24	153	153	1,485
2041	0	0	0	0	0	15	2	119	26	162	162	1,508
2042	0	0	0	0	0	16	2	135	28	180	180	1,532
2043	0	0	0	0	0	15	2	130	30	177	177	1,553
2044	0	1	307	0	307	15	2	140	32	189	(119)	1,540
2045	0	0	0	0	0	16	2	133	34	184	184	1,559
2046	0	0	0	0	0	16	2	118	36	172	172	1,576
2047	0	0	0	0	0	16	2	122	39	179	179	1,592
2048	0	0	0	0	0	16	2	149	41	208	208	1,610
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	880	0	881	465	82	4,608	501	5,655	4,774	
NPV	0	1	327	0	328	136	33	1,678	91	1,938	1,610	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 5.91





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**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	67.51 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	88,771.56 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	614,615.04 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

**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 .....	7.51 %
* (11) UTILITY AFUDC RATE.....	6.34 %
* (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 .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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

\* INPUT DATA - PART 1 CONTINUED  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ **A**

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	0	0	0	0	0	0	0	0	
2015	0	14	0	14	12	6	197	0	197	
2016	0	0	0	0	26	12	0	0	0	
2017	0	0	0	0	26	12	0	0	0	
2018	0	0	0	0	29	13	0	0	0	
2019	0	0	0	0	32	13	0	0	0	
2020	0	0	0	0	33	14	0	0	0	
2021	0	0	0	0	33	14	0	0	0	
2022	0	0	0	0	34	15	0	0	0	
2023	0	0	0	0	36	15	0	0	0	
2024	0	0	0	0	37	15	0	0	0	
2025	0	14	0	14	38	14	252	0	252	
2026	0	0	0	0	39	14	0	0	0	
2027	0	0	0	0	40	14	0	0	0	
2028	0	0	0	0	41	14	0	0	0	
2029	0	0	0	0	43	14	0	0	0	
2030	0	0	0	0	44	14	0	0	0	
2031	0	0	0	0	45	14	0	0	0	
2032	0	0	0	0	48	15	0	0	0	
2033	0	0	0	0	52	15	0	0	0	
2034	0	0	0	0	54	15	0	0	0	
2035	0	14	0	14	57	15	322	0	322	
2036	0	0	0	0	61	16	0	0	0	
2037	0	0	0	0	64	16	0	0	0	
2038	0	0	0	0	67	16	0	0	0	
2039	0	0	0	0	69	16	0	0	0	
2040	0	0	0	0	72	16	0	0	0	
2041	0	0	0	0	75	16	0	0	0	
2042	0	0	0	0	79	16	0	0	0	
2043	0	0	0	0	84	17	0	0	0	
2044	0	0	0	0	88	17	0	0	0	
2045	0	14	0	14	93	17	412	0	412	
2046	0	0	0	0	97	17	0	0	0	
2047	0	0	0	0	103	17	0	0	0	
2048	0	0	0	0	108	17	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	1	56	0	57	1,858	503	1,183	0	1,183	
NPV	0	24	0	24	490	166	410	0	410	

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

CALCULATION OF GEN K-FACTOR  
 PROGRAM METHOD SELECTED REV\_REQ  
 PROGRAM NAME: ██████████ A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	83	2	0	5	3	1	0	3	0	14	14	82
2020	80	2	0	5	2	1	0	3	1	14	13	84
2021	76	2	0	5	2	1	0	3	1	14	12	86
2022	72	1	0	5	2	1	0	3	1	13	10	88
2023	69	1	0	4	2	1	0	3	1	13	9	90
2024	65	1	0	4	2	1	0	3	1	12	8	93
2025	62	1	0	4	2	1	0	3	1	12	7	95
2026	59	1	0	4	2	1	0	3	0	11	7	97
2027	55	1	0	3	2	1	0	3	0	11	6	100
2028	52	1	0	3	2	1	0	3	0	10	5	102
2029	49	1	0	3	2	1	0	3	0	10	5	105
2030	46	1	0	3	2	1	0	3	0	9	4	108
2031	43	1	0	3	1	1	0	3	0	9	4	110
2032	40	1	0	2	1	1	0	3	0	9	3	113
2033	37	1	0	2	1	1	0	3	0	8	3	116
2034	34	1	0	2	1	1	0	3	0	8	3	119
2035	30	1	0	2	1	1	0	3	0	7	2	122
2036	27	1	0	2	1	1	0	3	0	7	2	125
2037	24	0	0	2	1	1	0	3	0	6	2	128
2038	21	0	0	1	1	0	0	3	0	6	2	131
2039	18	0	0	1	1	0	0	3	(0)	6	1	134
2040	16	0	0	1	2	0	0	3	(1)	5	1	138
2041	14	0	0	1	2	0	0	3	(1)	5	1	141
2042	12	0	0	1	2	0	0	3	(1)	5	1	145
2043	10	0	0	1	1	0	0	3	(1)	4	1	148
2044	9	0	0	1	1	0	0	3	(1)	4	1	152
2045	7	0	0	0	1	0	0	3	(1)	4	1	156
2046	5	0	0	0	1	0	0	3	(1)	4	1	160
2047	3	0	0	0	1	0	0	3	(1)	3	0	164
2048	2	0	0	0	1	0	0	3	(1)	3	0	168

IN SERVICE COST (\$000)	82
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	5	3	5	1	4	0	0	0	1	0
2021	6.68%	5	14	3	8	3	8	1	4	0	0	0	1	1
2022	6.18%	5	19	3	11	3	10	1	4	0	0	0	1	2
2023	5.71%	5	24	3	14	3	13	1	4	0	0	0	1	3
2024	5.29%	4	28	3	16	3	16	1	4	0	0	0	1	4
2025	4.89%	4	32	3	19	3	18	1	4	0	0	0	1	4
2026	4.52%	4	36	3	22	3	21	0	4	0	0	0	0	5
2027	4.46%	4	39	3	25	3	23	0	4	0	0	0	0	5
2028	4.46%	4	43	3	27	3	26	0	4	0	0	0	0	5
2029	4.46%	4	46	3	30	3	28	0	4	0	0	0	0	6
2030	4.46%	4	50	3	33	3	31	0	4	0	0	0	0	6
2031	4.46%	4	54	3	36	3	34	0	4	0	0	0	0	7
2032	4.46%	4	57	3	38	3	36	0	4	0	0	0	0	7
2033	4.46%	4	61	3	41	3	39	0	4	0	0	0	0	7
2034	4.46%	4	64	3	44	3	41	0	4	0	0	0	0	8
2035	4.46%	4	68	3	46	3	44	0	4	0	0	0	0	8
2036	4.46%	4	72	3	49	3	47	0	4	0	0	0	0	9
2037	4.46%	4	75	3	52	3	49	0	4	0	0	0	0	9
2038	4.46%	4	79	3	55	3	52	0	4	0	0	0	0	9
2039	2.23%	2	81	3	57	3	54	(0)	4	0	0	0	(0)	9
2040	0.00%	0	81	3	60	3	57	(1)	4	0	0	0	(1)	8
2041	0.00%	0	81	3	63	3	60	(1)	4	0	0	0	(1)	7
2042	0.00%	0	81	3	66	3	62	(1)	4	0	0	0	(1)	6
2043	0.00%	0	81	3	68	3	65	(1)	4	0	0	0	(1)	5
2044	0.00%	0	81	3	71	3	67	(1)	4	0	0	0	(1)	4
2045	0.00%	0	81	3	74	3	70	(1)	4	0	0	0	(1)	3
2046	0.00%	0	81	3	76	3	73	(1)	4	0	0	0	(1)	2
2047	0.00%	0	81	3	79	3	75	(1)	4	0	0	0	(1)	1
2048	0.00%	0	81	3	82	3	78	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5) END OF YEAR NET PLANT IN SERVICE	(5a)* ACCUMULATED DEPRECIATION	(5b)* ACCUMULATED DEF TAXES	(6) BEGINNING YEAR RATE BASE	(7) ENDING OF YEAR RATE BASE	(8) MID-YEAR RATE BASE
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2019	3.75%	3	0	79	3	(1)	83	80	82
2020	7.22%	6	1	76	5	0	80	76	78
2021	6.68%	5	1	74	8	1	76	72	74
2022	6.18%	5	1	71	11	2	72	69	71
2023	5.71%	5	1	68	14	3	69	65	67
2024	5.29%	4	1	66	16	4	65	62	64
2025	4.89%	4	1	63	19	4	62	59	60
2026	4.52%	4	0	60	22	5	59	55	57
2027	4.46%	4	0	57	25	5	55	52	54
2028	4.46%	4	0	55	27	5	52	49	51
2029	4.46%	4	0	52	30	6	49	46	48
2030	4.46%	4	0	49	33	6	46	43	45
2031	4.46%	4	0	46	36	7	43	40	41
2032	4.46%	4	0	44	38	7	40	37	38
2033	4.46%	4	0	41	41	7	37	34	35
2034	4.46%	4	0	38	44	8	34	30	32
2035	4.46%	4	0	36	46	8	30	27	29
2036	4.46%	4	0	33	49	9	27	24	26
2037	4.46%	4	0	30	52	9	24	21	23
2038	4.46%	4	0	27	55	9	21	18	20
2039	2.23%	2	(0)	25	57	9	18	16	17
2040	0.00%	0	(1)	22	60	8	16	14	15
2041	0.00%	0	(1)	19	63	7	14	12	13
2042	0.00%	0	(1)	16	66	6	12	10	11
2043	0.00%	0	(1)	14	68	5	10	9	10
2044	0.00%	0	(1)	11	71	4	9	7	8
2045	0.00%	0	(1)	8	74	3	7	5	6
2046	0.00%	0	(1)	5	76	2	5	3	4
2047	0.00%	0	(1)	3	79	1	3	2	3
2048	0.00%	0	(1)	0	82	0	2	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED : REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	14	6	0	17	22	15
2020	14	6	1	30	37	13
2021	14	6	1	30	38	13
2022	13	6	1	31	38	14
2023	13	6	1	33	38	14
2024	12	7	1	35	40	14
2025	12	7	1	36	41	14
2026	11	7	1	35	40	14
2027	11	7	1	37	41	14
2028	10	7	1	38	42	15
2029	10	8	1	40	44	14
2030	9	8	1	41	44	14
2031	9	8	1	42	46	13
2032	9	8	1	44	47	14
2033	8	8	1	46	50	13
2034	8	8	1	48	51	14
2035	7	9	1	49	52	14
2036	7	9	1	51	54	14
2037	6	9	1	53	56	14
2038	6	9	1	55	58	13
2039	6	10	1	57	59	14
2040	5	10	1	60	62	14
2041	5	10	1	62	64	14
2042	5	10	1	64	66	14
2043	4	11	1	66	68	14
2044	4	11	1	69	72	14
2045	4	11	1	72	74	14
2046	4	11	1	74	76	14
2047	3	12	1	77	79	14
2048	3	12	1	80	82	14
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	245	257	22	1,473	1,583	416
NPV	90	67	6	355	395	122

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	26	0
2016	2	0	3	0	0	0	84	0
2017	2	0	3	0	0	0	71	0
2018	2	0	3	0	0	0	93	0
2019	2	0	2	0	0	0	132	0
2020	2	0	2	0	0	0	121	0
2021	2	0	2	0	0	0	113	0
2022	2	0	2	0	0	0	105	0
2023	2	0	2	0	0	0	106	0
2024	2	0	2	0	0	0	93	0
2025	2	0	2	0	0	0	117	0
2026	2	0	2	0	0	0	110	0
2027	1	0	2	0	0	0	103	0
2028	1	0	2	0	0	0	117	0
2029	1	0	2	0	0	0	90	0
2030	1	0	2	0	0	0	107	0
2031	1	0	2	0	0	0	111	0
2032	1	0	2	0	0	0	80	0
2033	1	1	2	0	0	0	114	0
2034	1	1	2	0	0	0	84	0
2035	1	1	2	0	0	0	73	0
2036	1	1	2	0	0	0	86	0
2037	1	1	2	0	0	0	90	0
2038	1	1	2	0	0	0	85	0
2039	1	1	2	0	0	0	79	0
2040	1	1	1	0	0	0	79	0
2041	1	1	1	0	0	0	84	0
2042	1	1	1	0	0	0	96	0
2043	1	1	1	0	0	0	92	0
2044	1	1	1	0	0	0	99	0
2045	1	1	1	0	0	0	94	0
2046	1	1	1	0	0	0	83	0
2047	1	1	1	0	0	0	86	0
2048	1	1	1	0	0	0	106	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	43	17	60	5	8	14	3,207	0
NPV	18	5	23	2	2	5	1,141	0

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

A VOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████

A

YEAR	(2) A VOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	3	4	3	0	2
2023	4	6	5	0	3
2024	5	6	5	0	4
2025	5	7	6	0	4
2026	5	7	6	0	5
2027	6	8	7	0	5
2028	6	8	8	0	6
2029	7	9	8	0	6
2030	8	10	9	0	7
2031	9	11	10	0	7
2032	10	12	11	0	8
2033	11	14	12	0	9
2034	11	15	13	0	10
2035	12	16	14	0	11
2036	13	18	16	0	11
2037	15	19	17	0	12
2038	16	21	18	0	13
2039	17	22	20	0	14
2040	18	24	21	0	16
2041	20	26	23	0	17
2042	21	28	25	0	18
2043	23	30	27	0	19
2044	25	32	29	0	21
2045	26	35	31	0	22
2046	28	37	33	0	24
2047	30	39	35	0	25
2048	32	42	37	0	27
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	388	508	448	0	328
NPV	70	91	81	0	59

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	197	0	197	0	0	26	0	26	(170)	(159)
2016	0	0	0	0	0	0	3	84	0	87	87	(83)
2017	0	0	0	0	0	0	3	71	0	74	74	(24)
2018	0	0	0	0	0	0	3	93	0	96	96	48
2019	0	0	0	0	0	15	3	132	0	150	150	153
2020	0	0	0	0	0	13	3	121	0	137	137	242
2021	0	0	0	0	0	13	3	113	0	129	129	319
2022	0	0	0	0	0	14	3	105	2	124	124	388
2023	0	0	0	0	0	14	3	106	3	126	126	454
2024	0	0	0	0	0	14	3	93	4	113	113	509
2025	0	0	252	0	252	14	2	117	4	137	(115)	457
2026	0	0	0	0	0	14	2	110	5	131	131	512
2027	0	0	0	0	0	14	2	103	5	124	124	560
2028	0	0	0	0	0	15	2	117	6	140	140	611
2029	0	0	0	0	0	14	2	90	6	112	112	649
2030	0	0	0	0	0	14	2	107	7	130	130	689
2031	0	0	0	0	0	13	2	111	7	134	134	729
2032	0	0	0	0	0	14	2	80	8	104	104	757
2033	0	0	0	0	0	13	2	114	9	139	139	792
2034	0	0	0	0	0	14	2	84	10	109	109	817
2035	0	0	322	0	323	14	2	73	11	99	(223)	769
2036	0	0	0	0	0	14	2	86	11	113	113	792
2037	0	0	0	0	0	14	2	90	12	118	118	814
2038	0	0	0	0	0	13	2	85	13	113	113	834
2039	0	0	0	0	0	14	2	79	14	109	109	852
2040	0	0	0	0	0	14	2	79	16	110	110	868
2041	0	0	0	0	0	14	2	84	17	117	117	885
2042	0	0	0	0	0	14	2	96	18	130	130	902
2043	0	0	0	0	0	14	2	92	19	127	127	918
2044	0	0	0	0	0	14	2	99	21	135	135	933
2045	0	0	412	0	413	14	2	94	22	132	(281)	903
2046	0	0	0	0	0	14	2	83	24	123	123	915
2047	0	0	0	0	0	14	2	86	25	128	128	927
2048	0	0	0	0	0	14	2	106	27	149	149	940
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	1,183	0	1,184	416	74	3,207	328	4,024	2,840	
NPV	0	0	410	0	411	122	28	1,141	59	1,350	940	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.29

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME ██████████ A

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	21	0	14	0	35	197	0	0	197	(162)	(150)
2016	43	0	0	0	43	0	0	0	0	43	(113)
2017	44	0	0	0	44	0	0	0	0	44	(78)
2018	48	0	0	0	48	0	0	0	0	48	(42)
2019	52	0	0	0	52	0	0	0	0	52	(5)
2020	53	0	0	0	53	0	0	0	0	53	29
2021	54	0	0	0	54	0	0	0	0	54	61
2022	56	0	0	0	56	0	0	0	0	56	93
2023	58	0	0	0	58	0	0	0	0	58	123
2024	59	0	0	0	59	0	0	0	0	59	151
2025	60	0	14	0	73	252	0	0	252	(178)	71
2026	61	0	0	0	61	0	0	0	0	61	96
2027	62	0	0	0	62	0	0	0	0	62	121
2028	64	0	0	0	64	0	0	0	0	64	144
2029	66	0	0	0	66	0	0	0	0	66	166
2030	67	0	0	0	67	0	0	0	0	67	187
2031	69	0	0	0	69	0	0	0	0	69	208
2032	72	0	0	0	72	0	0	0	0	72	227
2033	78	0	0	0	78	0	0	0	0	78	247
2034	81	0	0	0	81	0	0	0	0	81	266
2035	84	0	14	0	98	322	0	0	322	(225)	217
2036	89	0	0	0	89	0	0	0	0	89	235
2037	93	0	0	0	93	0	0	0	0	93	252
2038	96	0	0	0	96	0	0	0	0	96	269
2039	100	0	0	0	100	0	0	0	0	100	286
2040	103	0	0	0	103	0	0	0	0	103	301
2041	107	0	0	0	107	0	0	0	0	107	316
2042	111	0	0	0	111	0	0	0	0	111	331
2043	118	0	0	0	118	0	0	0	0	118	345
2044	123	0	0	0	123	0	0	0	0	123	359
2045	129	0	14	0	142	412	0	0	412	(270)	331
2046	134	0	0	0	134	0	0	0	0	134	344
2047	141	0	0	0	141	0	0	0	0	141	357
2048	147	0	0	0	147	0	0	0	0	147	369
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	2,742	0	56	0	2,797	1,183	0	0	1,183	1,614	
NPV	756	0	24	0	780	410	0	0	410	369	

In Service of Gen Unit: 2019  
Discount Rate : 7.51 %  
Benefit/Cost Ratio ( Col(6) / Col(10)) 1.90

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) OTHER COSTS \$(000)	(7) TOTAL COSTS \$(000)	(8) AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	(9) AVOIDED T&D BENEFITS \$(000)	(10) REVENUE GAINS \$(000)	(11) OTHER BENEFITS \$(000)	(12) TOTAL BENEFITS \$(000)	(13) NET BENEFITS \$(000)	(14) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	14	18	0	33	26	0	0	0	26	(6)	(6)
2016	0	0	0	38	0	38	84	3	0	0	87	50	37
2017	0	0	0	39	0	39	71	3	0	0	74	35	65
2018	0	0	0	42	0	42	93	3	0	0	96	54	106
2019	0	0	0	46	0	46	147	3	0	0	150	105	178
2020	0	0	0	46	0	46	134	3	0	0	137	91	237
2021	0	0	0	47	0	47	126	3	0	0	129	81	286
2022	0	0	0	49	0	49	119	3	0	2	124	75	328
2023	0	0	0	50	0	50	120	3	0	3	126	75	367
2024	0	0	0	51	0	51	107	3	0	4	113	62	397
2025	0	0	14	52	0	66	131	2	0	4	137	71	429
2026	0	0	0	53	0	53	124	2	0	5	131	78	462
2027	0	0	0	54	0	54	116	2	0	5	124	70	489
2028	0	0	0	55	0	55	132	2	0	6	140	84	520
2029	0	0	0	57	0	57	104	2	0	6	112	55	539
2030	0	0	0	58	0	58	121	2	0	7	130	71	561
2031	0	0	0	60	0	60	124	2	0	7	134	74	583
2032	0	0	0	63	0	63	94	2	0	8	104	42	594
2033	0	0	0	67	0	67	128	2	0	9	139	71	612
2034	0	0	0	70	0	70	97	2	0	10	109	39	621
2035	0	0	14	72	0	86	87	2	0	11	99	13	624
2036	0	0	0	77	0	77	100	2	0	11	113	37	631
2037	0	0	0	79	0	79	103	2	0	12	118	38	639
2038	0	0	0	82	0	82	98	2	0	13	113	31	644
2039	0	0	0	85	0	85	93	2	0	14	109	24	648
2040	0	0	0	88	0	88	93	2	0	16	110	22	651
2041	0	0	0	91	0	91	98	2	0	17	117	25	655
2042	0	0	0	95	0	95	110	2	0	18	130	34	659
2043	0	0	0	100	0	100	105	2	0	19	127	26	663
2044	0	0	0	105	0	105	112	2	0	21	135	30	666
2045	0	0	14	110	0	124	108	2	0	22	132	8	667
2046	0	0	0	114	0	114	98	2	0	24	123	9	668
2047	0	0	0	120	0	120	101	2	0	25	128	8	669
2048	0	0	0	125	0	125	120	2	0	27	149	24	671
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	56	2,361	0	2,418	3,623	74	0	328	4,024	1,606	
NPV	0	0	24	656	0	680	1,263	28	0	59	1,350	671	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.99



**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	315.05 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	414.27165 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	2,868,204.24 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58529
(5) K FACTOR FOR T & D.....	1.56178

**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 .....	7.51 %
(11) UTILITY AFUDC RATE.....	6.34 %
(12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(14) UTILITY REBATE/INCENTIVE 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

**IV. AVOIDED GENERATOR AND T&D COSTS**

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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 .....	*** %



CALCULATION OF GEN K-FACTOR  
PROGRAM METHOD SELECTED REV\_REQ  
PROGRAM NAME: ██████████ **A**

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	388	8	0	24	15	7	0	13	68	68	68	382
2020	374	8	0	23	9	6	0	13	66	61	129	392
2021	356	7	0	22	9	6	0	13	63	55	183	402
2022	338	7	0	21	9	6	0	13	61	49	232	412
2023	321	7	0	20	9	6	0	13	4	58	276	422
2024	304	6	0	19	9	6	0	13	3	56	315	433
2025	289	6	0	18	9	5	0	13	2	54	350	443
2026	273	6	0	17	9	5	0	13	2	52	381	455
2027	259	5	0	16	9	5	0	13	2	50	409	466
2028	244	5	0	15	8	5	0	13	2	48	434	478
2029	230	5	0	14	8	4	0	13	2	46	456	489
2030	215	4	0	13	7	4	0	13	2	44	476	502
2031	201	4	0	13	6	4	0	13	2	42	494	514
2032	186	4	0	12	6	4	0	13	2	40	509	527
2033	171	3	0	11	5	3	0	13	2	38	523	540
2034	157	3	0	10	5	3	0	13	2	36	535	554
2035	142	3	0	9	4	3	0	13	2	34	546	568
2036	128	3	0	8	4	3	0	13	2	32	555	582
2037	113	2	0	7	3	3	0	13	2	30	563	596
2038	99	2	0	6	2	2	0	13	2	28	570	611
2039	84	2	0	5	5	2	0	13	(1)	26	576	627
2040	73	1	0	5	8	2	0	13	(5)	24	582	642
2041	65	1	0	4	8	2	0	13	(5)	23	586	658
2042	57	1	0	4	7	1	0	13	(5)	22	590	675
2043	48	1	0	3	7	1	0	13	(5)	21	594	692
2044	40	1	0	3	7	1	0	13	(5)	19	597	709
2045	32	1	0	2	6	1	0	13	(5)	18	600	727
2046	24	0	0	2	6	0	0	13	(5)	17	602	745
2047	16	0	0	1	6	0	0	13	(5)	16	604	763
2048	8	0	0	1	5	0	0	13	(5)	15	606	783

IN SERVICE COST (\$000)	382
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	14	14	13	13	12	12	1	20	0	0	0	1	(5)
2020	7.22%	27	41	13	25	12	24	6	20	0	0	0	6	1
2021	6.68%	25	66	13	38	12	36	5	20	0	0	0	5	6
2022	6.18%	23	90	13	51	12	48	4	20	0	0	0	4	11
2023	5.71%	22	111	13	64	12	60	4	20	0	0	0	4	14
2024	5.29%	20	131	13	76	12	73	3	20	0	0	0	3	17
2025	4.89%	18	150	13	89	12	85	2	20	0	0	0	2	20
2026	4.52%	17	167	13	102	12	97	2	20	0	0	0	2	22
2027	4.46%	17	183	13	115	12	109	2	20	0	0	0	2	23
2028	4.46%	17	200	13	127	12	121	2	20	0	0	0	2	25
2029	4.46%	17	217	13	140	12	133	2	20	0	0	0	2	27
2030	4.46%	17	234	13	153	12	145	2	20	0	0	0	2	29
2031	4.46%	17	251	13	166	12	157	2	20	0	0	0	2	31
2032	4.46%	17	267	13	178	12	169	2	20	0	0	0	2	33
2033	4.46%	17	284	13	191	12	181	2	20	0	0	0	2	34
2034	4.46%	17	301	13	204	12	193	2	20	0	0	0	2	36
2035	4.46%	17	318	13	217	12	206	2	20	0	0	0	2	38
2036	4.46%	17	335	13	229	12	218	2	20	0	0	0	2	40
2037	4.46%	17	351	13	242	12	230	2	20	0	0	0	2	42
2038	4.46%	17	368	13	255	12	242	2	20	0	0	0	2	43
2039	2.23%	8	376	13	268	12	254	(1)	20	0	0	0	(1)	42
2040	0.00%	0	376	13	280	12	266	(5)	20	0	0	0	(5)	37
2041	0.00%	0	376	13	293	12	278	(5)	20	0	0	0	(5)	33
2042	0.00%	0	376	13	306	12	290	(5)	20	0	0	0	(5)	28
2043	0.00%	0	376	13	319	12	302	(5)	20	0	0	0	(5)	23
2044	0.00%	0	376	13	331	12	314	(5)	20	0	0	0	(5)	19
2045	0.00%	0	376	13	344	12	326	(5)	20	0	0	0	(5)	14
2046	0.00%	0	376	13	357	12	338	(5)	20	0	0	0	(5)	9
2047	0.00%	0	376	13	370	12	351	(5)	20	0	0	0	(5)	5
2048	0.00%	0	376	13	382	12	363	(5)	20	0	0	0	(5)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(5)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	20
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	14	1	370	13	(5)	388	374	381
2020	7.22%	27	6	357	25	1	374	356	365
2021	6.68%	25	5	344	38	6	356	338	347
2022	6.18%	23	4	331	51	11	338	321	329
2023	5.71%	22	4	319	64	14	321	304	313
2024	5.29%	20	3	306	76	17	304	289	297
2025	4.89%	18	2	293	89	20	289	273	281
2026	4.52%	17	2	280	102	22	273	259	266
2027	4.46%	17	2	268	115	23	259	244	252
2028	4.46%	17	2	255	127	25	244	230	237
2029	4.46%	17	2	242	140	27	230	215	222
2030	4.46%	17	2	229	153	29	215	201	208
2031	4.46%	17	2	217	166	31	201	186	193
2032	4.46%	17	2	204	178	33	186	171	179
2033	4.46%	17	2	191	191	34	171	157	164
2034	4.46%	17	2	178	204	36	157	142	150
2035	4.46%	17	2	166	217	38	142	128	135
2036	4.46%	17	2	153	229	40	128	113	120
2037	4.46%	17	2	140	242	42	113	99	106
2038	4.46%	17	2	127	255	43	99	84	91
2039	2.23%	8	(1)	115	268	42	84	73	78
2040	0.00%	0	(5)	102	280	37	73	65	69
2041	0.00%	0	(5)	89	293	33	65	57	61
2042	0.00%	0	(5)	76	306	28	57	48	53
2043	0.00%	0	(5)	64	319	23	48	40	44
2044	0.00%	0	(5)	51	331	19	40	32	36
2045	0.00%	0	(5)	38	344	14	32	24	28
2046	0.00%	0	(5)	25	357	9	24	16	20
2047	0.00%	0	(5)	13	370	5	16	8	12
2048	0.00%	0	(5)	0	382	0	8	0	4

\* Column not specified in workbook

INPUT DATA - PART 2  
PROGRAM METHOD SELECTED : REV\_REQ  
PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ██████████

A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	68	27	1	78	102	72
2020	66	28	3	140	174	61
2021	63	29	3	142	177	59
2022	61	29	3	146	175	64
2023	58	30	3	153	179	66
2024	56	31	3	162	189	63
2025	54	32	3	167	192	64
2026	52	33	3	165	187	66
2027	50	33	3	171	194	63
2028	48	34	3	179	196	68
2029	46	35	3	185	205	64
2030	44	36	3	189	206	66
2031	42	37	3	198	217	63
2032	40	38	3	205	220	66
2033	38	39	3	215	232	63
2034	36	40	3	223	239	63
2035	34	41	4	231	244	65
2036	32	42	4	239	252	65
2037	30	43	4	249	262	63
2038	28	44	4	259	271	63
2039	26	45	4	268	277	66
2040	24	46	4	278	289	64
2041	23	47	4	287	297	64
2042	22	48	4	300	308	66
2043	21	49	4	310	319	65
2044	19	51	4	323	334	63
2045	18	52	5	335	345	65
2046	17	53	5	348	356	67
2047	16	55	5	358	367	67
2048	15	56	5	374	382	67
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	1,145	1,201	104	6,876	7,386	1,940
NPV	422	311	27	1,655	1,844	570

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME : ██████████ **A**

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	132	0
2016	11	2	12	1	1	2	394	0
2017	11	2	12	1	1	2	331	0
2018	10	2	12	1	1	2	375	0
2019	10	2	11	1	1	2	542	0
2020	9	2	11	1	1	2	646	0
2021	9	2	11	1	1	2	594	0
2022	9	2	10	1	1	2	514	0
2023	8	2	10	1	1	2	456	0
2024	8	2	10	1	1	2	454	0
2025	8	2	10	1	1	2	576	0
2026	7	2	9	1	1	2	626	0
2027	7	2	9	1	1	2	547	0
2028	7	2	9	1	1	2	558	0
2029	6	2	8	1	1	2	415	0
2030	6	2	8	1	1	2	473	0
2031	6	2	8	1	1	2	549	0
2032	5	2	8	1	1	2	494	0
2033	5	2	8	1	1	2	513	0
2034	5	2	8	1	1	2	415	0
2035	5	2	7	1	1	2	372	0
2036	5	3	7	1	1	2	555	0
2037	5	3	7	1	1	2	574	0
2038	5	3	7	1	1	2	517	0
2039	4	3	7	0	1	2	424	0
2040	4	3	7	0	1	2	445	0
2041	4	3	7	0	1	2	485	0
2042	4	3	7	0	1	2	577	0
2043	4	3	7	0	2	2	528	0
2044	4	3	7	0	2	2	583	0
2045	3	3	7	0	2	2	523	0
2046	3	3	6	0	2	2	414	0
2047	3	3	6	0	2	2	429	0
2048	3	3	6	0	2	2	591	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	202	77	279	25	39	64	16,621	0
NPV	86	23	109	11	11	23	5,649	0

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



AVOIDED GENERATING EMISSION IMPACT  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED]

A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	1	0	1
2016	0	0	1	0	1
2017	0	0	0	0	0
2018	0	0	1	0	1
2019	0	0	1	0	1
2020	0	0	1	0	1
2021	0	0	1	0	1
2022	13	18	15	0	11
2023	20	26	22	0	16
2024	22	29	25	0	18
2025	24	32	27	0	20
2026	25	33	30	0	22
2027	27	36	33	0	24
2028	30	39	35	0	26
2029	33	43	40	0	29
2030	37	48	43	0	32
2031	40	53	48	0	35
2032	45	58	52	0	38
2033	49	64	57	0	42
2034	53	70	62	0	45
2035	58	76	67	0	49
2036	63	83	72	0	53
2037	68	89	79	0	58
2038	74	97	85	0	62
2039	80	104	92	0	67
2040	86	113	99	0	73
2041	93	122	107	0	78
2042	100	131	116	0	84
2043	108	141	124	0	91
2044	116	151	133	0	97
2045	124	162	143	0	104
2046	132	173	152	0	111
2047	141	184	162	0	118
2048	150	196	173	0	126
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	1,809	2,371	2,098	0	1,536
NPV	325	426	380	0	279

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	941	0	941	0	0	132	1	133	(808)	(752)
2016	0	0	0	0	0	0	15	394	1	410	410	(397)
2017	0	0	0	0	0	0	14	331	0	345	345	(119)
2018	0	0	0	0	0	0	14	375	1	389	389	172
2019	0	0	0	0	0	72	14	542	1	629	629	610
2020	0	0	0	0	0	61	13	646	1	721	721	1,077
2021	0	0	0	0	0	59	13	594	1	667	667	1,478
2022	0	0	0	0	0	64	12	514	11	602	602	1,815
2023	0	0	0	0	0	66	12	456	16	550	550	2,102
2024	0	0	0	0	0	63	12	454	18	547	547	2,367
2025	0	1	1,204	0	1,205	64	12	576	20	671	(534)	2,126
2026	0	0	0	0	0	66	11	626	22	725	725	2,430
2027	0	0	0	0	0	63	11	547	24	645	645	2,682
2028	0	0	0	0	0	68	11	558	26	663	663	2,922
2029	0	0	0	0	0	64	10	415	29	519	519	3,097
2030	0	0	0	0	0	66	10	473	32	580	580	3,279
2031	0	0	0	0	0	63	10	549	35	657	657	3,471
2032	0	0	0	0	0	66	10	494	38	607	607	3,636
2033	0	0	0	0	0	63	9	513	42	627	627	3,794
2034	0	0	0	0	0	63	9	415	45	533	533	3,919
2035	0	1	1,541	0	1,542	65	9	372	49	495	(1,047)	3,690
2036	0	0	0	0	0	65	9	555	53	682	682	3,829
2037	0	0	0	0	0	63	9	574	58	704	704	3,962
2038	0	0	0	0	0	63	9	517	62	652	652	4,077
2039	0	0	0	0	0	66	9	424	67	566	566	4,169
2040	0	0	0	0	0	64	9	445	73	591	591	4,259
2041	0	0	0	0	0	64	9	485	78	637	637	4,349
2042	0	0	0	0	0	66	9	577	84	736	736	4,446
2043	0	0	0	0	0	65	9	528	91	692	692	4,531
2044	0	0	0	0	0	63	9	583	97	752	752	4,616
2045	0	2	1,973	0	1,975	65	8	523	104	701	(1,273)	4,481
2046	0	0	0	0	0	67	8	414	111	600	600	4,540
2047	0	0	0	0	0	67	8	429	118	622	622	4,597
2048	0	0	0	0	0	67	8	591	126	793	793	4,665
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	5	5,658	0	5,663	1,940	343	16,621	1,536	20,441	14,778	
NPV	0	2	1,963	0	1,965	570	132	5,649	279	6,630	4,665	

Discount Rate: 7.51 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.37

PARTICIPANT COSTS AND BENEFITS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	94	0	65	0	159	941	0	0	941	(782)	(727)
2016	192	0	0	0	192	0	0	0	0	192	(561)
2017	199	0	0	0	199	0	0	0	0	199	(401)
2018	217	0	0	0	217	0	0	0	0	217	(239)
2019	236	0	0	0	236	0	0	0	0	236	(75)
2020	240	0	0	0	240	0	0	0	0	240	81
2021	245	0	0	0	245	0	0	0	0	245	228
2022	252	0	0	0	252	0	0	0	0	252	369
2023	257	0	0	0	257	0	0	0	0	257	503
2024	263	0	0	0	263	0	0	0	0	263	631
2025	266	0	65	0	331	1,204	0	0	1,204	(873)	237
2026	272	0	0	0	272	0	0	0	0	272	351
2027	279	0	0	0	279	0	0	0	0	279	460
2028	286	0	0	0	286	0	0	0	0	286	564
2029	294	0	0	0	294	0	0	0	0	294	663
2030	302	0	0	0	302	0	0	0	0	302	758
2031	310	0	0	0	310	0	0	0	0	310	849
2032	326	0	0	0	326	0	0	0	0	326	937
2033	351	0	0	0	351	0	0	0	0	351	1,026
2034	365	0	0	0	365	0	0	0	0	365	1,111
2035	377	0	65	0	442	1,541	0	0	1,541	(1,099)	871
2036	403	0	0	0	403	0	0	0	0	403	953
2037	418	0	0	0	418	0	0	0	0	418	1,032
2038	434	0	0	0	434	0	0	0	0	434	1,109
2039	451	0	0	0	451	0	0	0	0	451	1,182
2040	466	0	0	0	466	0	0	0	0	466	1,253
2041	485	0	0	0	485	0	0	0	0	485	1,322
2042	505	0	0	0	505	0	0	0	0	505	1,388
2043	535	0	0	0	535	0	0	0	0	535	1,454
2044	559	0	0	0	559	0	0	0	0	559	1,517
2045	585	0	65	0	650	1,973	0	0	1,973	(1,323)	1,377
2046	612	0	0	0	612	0	0	0	0	612	1,437
2047	641	0	0	0	641	0	0	0	0	641	1,496
2048	672	0	0	0	672	0	0	0	0	672	1,553
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	12,390	0	260	0	12,649	5,658	0	0	5,658	6,991	
NPV	3,406	0	111	0	3,516	1,963	0	0	1,963	1,553	

In Service of Gen Unit: 2019  
 Discount Rate: 7.51 %  
 Benefit/Cost Ratio ( Col(6) / Col(10) ) 1.79

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	65	83	0	149	132	0	0	1	133	(16)	(14)
2016	0	0	0	170	0	170	394	15	0	1	410	240	194
2017	0	0	0	175	0	175	331	14	0	0	345	170	330
2018	0	0	0	190	0	190	375	14	0	1	389	199	479
2019	0	0	0	207	0	207	615	14	0	1	629	422	773
2020	0	0	0	211	0	211	707	13	0	1	721	510	1,104
2021	0	0	0	215	0	215	653	13	0	1	667	452	1,376
2022	0	0	0	222	0	222	578	12	0	11	602	380	1,589
2023	0	0	0	226	0	226	522	12	0	16	550	324	1,758
2024	0	0	0	230	0	230	517	12	0	18	547	316	1,911
2025	0	1	65	233	0	299	640	12	0	20	671	373	2,079
2026	0	0	0	238	0	238	692	11	0	22	725	487	2,283
2027	0	0	0	243	0	243	610	11	0	24	645	402	2,440
2028	0	0	0	249	0	249	626	11	0	26	663	413	2,590
2029	0	0	0	256	0	256	479	10	0	29	519	263	2,679
2030	0	0	0	263	0	263	539	10	0	32	580	318	2,778
2031	0	0	0	270	0	270	612	10	0	35	657	387	2,891
2032	0	0	0	282	0	282	560	10	0	38	607	325	2,980
2033	0	0	0	304	0	304	575	9	0	42	627	323	3,061
2034	0	0	0	315	0	315	478	9	0	45	533	218	3,112
2035	0	1	65	326	0	392	437	9	0	49	495	103	3,135
2036	0	0	0	348	0	348	620	9	0	53	682	334	3,203
2037	0	0	0	360	0	360	638	9	0	58	704	344	3,268
2038	0	0	0	374	0	374	580	9	0	62	652	278	3,317
2039	0	0	0	387	0	387	490	9	0	67	566	179	3,346
2040	0	0	0	400	0	400	509	9	0	73	591	191	3,375
2041	0	0	0	416	0	416	550	9	0	78	637	221	3,406
2042	0	0	0	433	0	433	643	9	0	84	736	303	3,446
2043	0	0	0	457	0	457	593	9	0	91	692	235	3,475
2044	0	0	0	478	0	478	646	9	0	97	752	274	3,506
2045	0	2	65	499	0	566	588	8	0	104	701	135	3,520
2046	0	0	0	522	0	522	480	8	0	111	600	78	3,528
2047	0	0	0	546	0	546	495	8	0	118	622	75	3,535
2048	0	0	0	572	0	572	659	8	0	126	793	221	3,554
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	5	260	10,697	0	10,962	18,562	343	0	1,536	20,441	9,480	
NPV	0	2	111	2,964	0	3,076	6,219	132	0	279	6,630	3,554	

Discount Rate 7.51 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.16

INPUT DATA -- PART 1 CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

**I. PROGRAM DEMAND SAVINGS & LINE LOSSES**

(1) CUSTOMER kW REDUCTION AT METER .....	67.10 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER .....	88.22586 kW
(3) kW LINE LOSS PERCENTAGE .....	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER .....	472,273.86 kWh
(5) kWh LINE LOSS PERCENTAGE .....	5.76 %
(6) GROUP LINE LOSS MULTIPLIER.....	1.00
(7) CUSTOMER kWh INCREASE AT METER .....	0.00 kWh

**II. ECONOMIC LIFE & K FACTORS**

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM .....	35 YEARS
(2) GENERATOR ECONOMIC LIFE .....	30 YEARS
(3) T&D ECONOMIC LIFE .....	35 YEARS
(4) K FACTOR FOR GENERATION .....	1.58642
(5) K FACTOR FOR T & D.....	1.55920

**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 .....	7.54 %
(11) UTILITY AFUDC RATE.....	6.50 %
(12) UTILITY NON RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(13) UTILITY RECURRING REBATE/INCENTIVE .....	*** \$/CUST
(14) UTILITY REBATE/INCENTIVE 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

**IV. AVOIDED GENERATOR AND T&D COSTS**

(1) BASE YEAR .....	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT .....	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D .....	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST .....	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST .....	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST .....	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE .....	3.00 %**
(8) GENERATOR FIXED O & M COST .....	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE .....	2.50 %**
(10) TRANSMISSION FIXED O & M COST .....	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST .....	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE .....	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS .....	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE .....	2.50 %**
(15) GENERATOR CAPACITY FACTOR .....	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST .....	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE .....	4.65 %**

**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 .....	*** %

\* INPUT DATA - PART 1 CONTINUED  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ████████ A

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2014	0	14	0	14	10	5	174	0	0	174
2015	0	0	0	0	20	11	0	0	0	0
2016	0	0	0	0	19	11	0	0	0	0
2017	0	0	0	0	20	11	0	0	0	0
2018	0	0	0	0	21	11	0	0	0	0
2019	0	0	0	0	23	12	0	0	0	0
2020	0	0	0	0	25	12	0	0	0	0
2021	0	0	0	0	25	13	0	0	0	0
2022	0	0	0	0	25	14	0	0	0	0
2023	0	0	0	0	26	14	0	0	0	0
2024	0	14	0	14	28	13	222	0	0	222
2025	0	0	0	0	28	13	0	0	0	0
2026	0	0	0	0	29	13	0	0	0	0
2027	0	0	0	0	30	12	0	0	0	0
2028	0	0	0	0	31	12	0	0	0	0
2029	0	0	0	0	32	13	0	0	0	0
2030	0	0	0	0	33	13	0	0	0	0
2031	0	0	0	0	34	13	0	0	0	0
2032	0	0	0	0	35	13	0	0	0	0
2033	0	0	0	0	38	13	0	0	0	0
2034	0	14	0	14	41	13	284	0	0	284
2035	0	0	0	0	42	13	0	0	0	0
2036	0	0	0	0	45	14	0	0	0	0
2037	0	0	0	0	48	14	0	0	0	0
2038	0	0	0	0	50	14	0	0	0	0
2039	0	0	0	0	52	14	0	0	0	0
2040	0	0	0	0	54	14	0	0	0	0
2041	0	0	0	0	56	14	0	0	0	0
2042	0	0	0	0	59	14	0	0	0	0
2043	0	0	0	0	62	14	0	0	0	0
2044	0	14	0	14	66	14	364	0	0	364
2045	0	0	0	0	69	15	0	0	0	0
2046	0	0	0	0	72	15	0	0	0	0
2047	0	0	0	0	76	15	0	0	0	0
2048	0	0	0	0	80	15	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	55	0	56	1,404	453	1,044	0	0	1,044
NPV	0	25	0	26	384	157	389	0	0	389

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

CALCULATION OF GEN K-FACTOR  
 PROGRAM METHOD SELECTED REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX A

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
YEAR												
2019	83	2	0	5	3	1	0	3	0	14	14	82
2020	80	2	0	5	2	1	0	3	1	14	13	84
2021	76	2	0	5	2	1	0	3	1	14	12	86
2022	72	1	0	5	2	1	0	3	1	13	10	88
2023	68	1	0	4	2	1	0	3	1	12	9	90
2024	65	1	0	4	2	1	0	3	1	12	8	92
2025	62	1	0	4	2	1	0	3	1	12	7	95
2026	58	1	0	4	2	1	0	3	0	11	7	97
2027	55	1	0	3	2	1	0	3	0	11	6	99
2028	52	1	0	3	2	1	0	3	0	10	5	102
2029	49	1	0	3	2	1	0	3	0	10	5	104
2030	46	1	0	3	2	1	0	3	0	9	4	107
2031	43	1	0	3	1	1	0	3	0	9	4	110
2032	40	1	0	2	1	1	0	3	0	9	3	112
2033	37	1	0	2	1	1	0	3	0	8	3	115
2034	33	1	0	2	1	1	0	3	0	8	3	118
2035	30	1	0	2	1	1	0	3	0	7	2	121
2036	27	1	0	2	1	1	0	3	0	7	2	124
2037	24	1	0	2	1	1	0	3	0	6	2	127
2038	21	0	0	1	1	0	0	3	0	6	1	130
2039	18	0	0	1	1	0	0	3	(0)	6	1	134
2040	16	0	0	1	2	0	0	3	(1)	5	1	137
2041	14	0	0	1	2	0	0	3	(1)	5	1	140
2042	12	0	0	1	2	0	0	3	(1)	5	1	144
2043	10	0	0	1	1	0	0	3	(1)	4	1	148
2044	9	0	0	1	1	0	0	3	(1)	4	1	151
2045	7	0	0	0	1	0	0	3	(1)	4	1	155
2046	5	0	0	0	1	0	0	3	(1)	4	1	159
2047	3	0	0	0	1	0	0	3	(1)	3	0	163
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	167

IN SERVICE COST (\$000)	82
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EPFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	ACCUMULATED TAX DEPRECIATION \$(000)	BOOK DEPRECIATION \$(000)	ACCUMULATED BOOK DEPRECIATION \$(000)	BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	DEFERRED TAX DUE TO DEPRECIATION \$(000)	TOTAL EQUITY AFUDC \$(000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE \$(000)	SALVAGE TAX RATE \$(000)	ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	5	3	5	1	4	0	0	0	1	0
2021	6.68%	5	14	3	8	3	8	1	4	0	0	0	1	1
2022	6.18%	5	19	3	11	3	10	1	4	0	0	0	1	2
2023	5.71%	5	24	3	14	3	13	1	4	0	0	0	1	3
2024	5.29%	4	28	3	16	3	15	1	4	0	0	0	1	4
2025	4.89%	4	32	3	19	3	18	1	4	0	0	0	1	4
2026	4.52%	4	36	3	22	3	21	0	4	0	0	0	0	5
2027	4.46%	4	39	3	24	3	23	0	4	0	0	0	0	5
2028	4.46%	4	43	3	27	3	26	0	4	0	0	0	0	5
2029	4.46%	4	46	3	30	3	28	0	4	0	0	0	0	6
2030	4.46%	4	50	3	33	3	31	0	4	0	0	0	0	6
2031	4.46%	4	53	3	35	3	33	0	4	0	0	0	0	7
2032	4.46%	4	57	3	38	3	36	0	4	0	0	0	0	7
2033	4.46%	4	61	3	41	3	39	0	4	0	0	0	0	7
2034	4.46%	4	64	3	44	3	41	0	4	0	0	0	0	8
2035	4.46%	4	68	3	46	3	44	0	4	0	0	0	0	8
2036	4.46%	4	71	3	49	3	46	0	4	0	0	0	0	8
2037	4.46%	4	75	3	52	3	49	0	4	0	0	0	0	9
2038	4.46%	4	78	3	54	3	52	0	4	0	0	0	0	9
2039	2.23%	2	80	3	57	3	54	(0)	4	0	0	0	(0)	9
2040	0.00%	0	80	3	60	3	57	(1)	4	0	0	0	(1)	8
2041	0.00%	0	80	3	63	3	59	(1)	4	0	0	0	(1)	7
2042	0.00%	0	80	3	65	3	62	(1)	4	0	0	0	(1)	6
2043	0.00%	0	80	3	68	3	64	(1)	4	0	0	0	(1)	5
2044	0.00%	0	80	3	71	3	67	(1)	4	0	0	0	(1)	4
2045	0.00%	0	80	3	73	3	70	(1)	4	0	0	0	(1)	3
2046	0.00%	0	80	3	76	3	72	(1)	4	0	0	0	(1)	2
2047	0.00%	0	80	3	79	3	75	(1)	4	0	0	0	(1)	1
2048	0.00%	0	80	3	82	3	77	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%



DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	79	3	(1)	83	80	81
2020	7.22%	6	1	76	5	0	80	76	78
2021	6.68%	5	1	73	8	1	76	72	74
2022	6.18%	5	1	71	11	2	72	68	70
2023	5.71%	5	1	68	14	3	68	65	67
2024	5.29%	4	1	65	16	4	65	62	63
2025	4.89%	4	1	63	19	4	62	58	60
2026	4.52%	4	0	60	22	5	58	55	57
2027	4.46%	4	0	57	24	5	55	52	54
2028	4.46%	4	0	54	27	5	52	49	51
2029	4.46%	4	0	52	30	6	49	46	47
2030	4.46%	4	0	49	33	6	46	43	44
2031	4.46%	4	0	46	35	7	43	40	41
2032	4.46%	4	0	44	38	7	40	37	38
2033	4.46%	4	0	41	41	7	37	33	35
2034	4.46%	4	0	38	44	8	33	30	32
2035	4.46%	4	0	35	46	8	30	27	29
2036	4.46%	4	0	33	49	8	27	24	26
2037	4.46%	4	0	30	52	9	24	21	23
2038	4.46%	4	0	27	54	9	21	18	20
2039	2.23%	2	(0)	24	57	9	18	16	17
2040	0.00%	0	(1)	22	60	8	16	14	15
2041	0.00%	0	(1)	19	63	7	14	12	13
2042	0.00%	0	(1)	16	65	6	12	10	11
2043	0.00%	0	(1)	14	68	5	10	9	9
2044	0.00%	0	(1)	11	71	4	9	7	8
2045	0.00%	0	(1)	8	73	3	7	5	6
2046	0.00%	0	(1)	5	76	2	5	3	4
2047	0.00%	0	(1)	3	79	1	3	2	3
2048	0.00%	0	(1)	(0)	82	0	2	0	1

\* Column not specified in workbook

INPUT DATA - PART 2  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX A

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	(5) AVOIDED MARGINAL FUEL COST (C/kWh)	(6)* INCREASED MARGINAL FUEL COST (C/kWh)	(7) REPLACEMENT FUEL COST (C/kWh)	(8) PROGRAM kW EFFECTIVENESS FACTOR	(9) PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

\* 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\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	14	6	0	17	22	15
2020	14	6	1	30	37	13
2021	14	6	1	30	38	13
2022	13	6	1	31	37	14
2023	12	6	1	33	38	14
2024	12	7	1	34	40	13
2025	12	7	1	36	41	14
2026	11	7	1	35	40	14
2027	11	7	1	36	41	14
2028	10	7	1	38	42	15
2029	10	7	1	39	44	14
2030	9	8	1	40	44	14
2031	9	8	1	42	46	13
2032	9	8	1	44	47	14
2033	8	8	1	46	49	13
2034	8	8	1	48	51	14
2035	7	9	1	49	52	14
2036	7	9	1	51	54	14
2037	6	9	1	53	56	14
2038	6	9	1	55	58	13
2039	6	10	1	57	59	14
2040	5	10	1	59	61	14
2041	5	10	1	61	63	14
2042	5	10	1	64	66	14
2043	4	11	1	66	68	14
2044	4	11	1	69	71	13
2045	4	11	1	71	73	14
2046	4	11	1	74	76	14
2047	3	12	1	76	78	14
2048	3	12	1	80	81	14
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	245	256	22	1,464	1,573	414
NPV	90	66	6	351	391	121

AVOIDED T&D AND PROGRAM FUEL SAVINGS  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1) YEAR	(2) AVOIDED TRANSMISSION CAP COST \$(000)	(3) AVOIDED TRANSMISSION O&M COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP COST \$(000)	(6) AVOIDED DISTRIBUTION O&M COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	17	0
2015	2	0	3	0	0	0	40	0
2016	2	0	3	0	0	0	58	0
2017	2	0	2	0	0	0	49	0
2018	2	0	2	0	0	0	55	0
2019	2	0	2	0	0	0	78	0
2020	2	0	2	0	0	0	93	0
2021	2	0	2	0	0	0	86	0
2022	2	0	2	0	0	0	75	0
2023	2	0	2	0	0	0	67	0
2024	2	0	2	0	0	0	67	0
2025	2	0	2	0	0	0	84	0
2026	1	0	2	0	0	0	90	0
2027	1	0	2	0	0	0	80	0
2028	1	0	2	0	0	0	81	0
2029	1	0	2	0	0	0	62	0
2030	1	0	2	0	0	0	70	0
2031	1	0	2	0	0	0	80	0
2032	1	0	2	0	0	0	73	0
2033	1	0	2	0	0	0	76	0
2034	1	1	2	0	0	0	62	0
2035	1	1	2	0	0	0	57	0
2036	1	1	1	0	0	0	82	0
2037	1	1	1	0	0	0	85	0
2038	1	1	1	0	0	0	77	0
2039	1	1	1	0	0	0	64	0
2040	1	1	1	0	0	0	68	0
2041	1	1	1	0	0	0	73	0
2042	1	1	1	0	0	0	86	0
2043	1	1	1	0	0	0	80	0
2044	1	1	1	0	0	0	87	0
2045	1	1	1	0	0	0	79	0
2046	1	1	1	0	0	0	65	0
2047	1	1	1	0	0	0	67	0
2048	1	1	1	0	0	0	90	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	42	17	59	5	8	14	2,500	0
NPV	19	5	24	3	3	5	863	0

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

AVOIDED GENERATING EMISSION IMPACT  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: ██████████ A

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	3	4	3	0	2
2023	4	6	4	0	2
2024	5	6	4	0	3
2025	5	7	4	0	3
2026	5	7	5	0	3
2027	6	8	5	0	4
2028	6	8	6	0	4
2029	7	9	7	0	4
2030	8	10	7	0	5
2031	9	11	8	0	5
2032	9	12	9	0	6
2033	10	14	9	0	6
2034	11	15	10	0	7
2035	12	16	11	0	7
2036	13	18	12	0	8
2037	14	19	13	0	8
2038	16	21	14	0	9
2039	17	22	15	0	10
2040	18	24	16	0	11
2041	20	26	18	0	12
2042	21	28	19	0	12
2043	23	30	20	0	13
2044	25	32	22	0	14
2045	26	34	23	0	15
2046	28	37	25	0	16
2047	30	39	27	0	17
2048	32	42	28	0	19
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	385	505	346	0	226
NPV	69	90	63	0	41

TOTAL RESOURCE COST TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: ██████████ A

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	174	0	174	0	0	17	0	17	(157)	(157)
2015	0	0	0	0	0	0	3	40	0	43	43	(117)
2016	0	0	0	0	0	0	3	58	0	61	61	(64)
2017	0	0	0	0	0	0	3	49	0	52	52	(22)
2018	0	0	0	0	0	0	3	55	0	58	58	21
2019	0	0	0	0	0	15	3	78	0	97	97	88
2020	0	0	0	0	0	13	3	93	0	109	109	159
2021	0	0	0	0	0	13	3	86	0	101	101	220
2022	0	0	0	0	0	14	3	75	2	93	93	271
2023	0	0	0	0	0	14	2	67	2	86	86	316
2024	0	0	222	0	222	13	2	67	3	85	(137)	249
2025	0	0	0	0	0	14	2	84	3	102	102	296
2026	0	0	0	0	0	14	2	90	3	110	110	341
2027	0	0	0	0	0	14	2	80	4	99	99	380
2028	0	0	0	0	0	15	2	81	4	102	102	417
2029	0	0	0	0	0	14	2	62	4	82	82	444
2030	0	0	0	0	0	14	2	70	5	90	90	472
2031	0	0	0	0	0	13	2	80	5	101	101	502
2032	0	0	0	0	0	14	2	73	6	94	94	527
2033	0	0	0	0	0	13	2	76	6	97	97	552
2034	0	0	284	0	285	14	2	62	7	84	(200)	505
2035	0	0	0	0	0	14	2	57	7	80	80	522
2036	0	0	0	0	0	14	2	82	8	105	105	543
2037	0	0	0	0	0	14	2	85	8	109	109	564
2038	0	0	0	0	0	13	2	77	9	101	101	582
2039	0	0	0	0	0	14	2	64	10	90	90	596
2040	0	0	0	0	0	14	2	68	11	94	94	611
2041	0	0	0	0	0	14	2	73	12	100	100	625
2042	0	0	0	0	0	14	2	86	12	114	114	640
2043	0	0	0	0	0	14	2	80	13	108	108	653
2044	0	0	364	0	365	13	2	87	14	117	(248)	625
2045	0	0	0	0	0	14	2	79	15	110	110	636
2046	0	0	0	0	0	14	2	65	16	97	97	646
2047	0	0	0	0	0	14	2	67	17	100	100	655
2048	0	0	0	0	0	14	2	90	19	124	124	665
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	1,044	0	1,046	414	73	2,500	226	3,213		2,168
NPV	0	0	389	0	389	121	29	863	41	1,055	665	

Discount Rate: 7.54 %  
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.71

PARTICIPANT COSTS AND BENEFITS  
 PROGRAM METHOD SELECTED: REV\_REQ  
 PROGRAM NAME: XXXXXXXXXX A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	15	0	14	0	29	174	0	0	174	(145)	(145)
2015	31	0	0	0	31	0	0	0	0	31	(116)
2016	30	0	0	0	30	0	0	0	0	30	(90)
2017	31	0	0	0	31	0	0	0	0	31	(65)
2018	32	0	0	0	32	0	0	0	0	32	(41)
2019	35	0	0	0	35	0	0	0	0	35	(16)
2020	37	0	0	0	37	0	0	0	0	37	8
2021	38	0	0	0	38	0	0	0	0	38	31
2022	39	0	0	0	39	0	0	0	0	39	52
2023	40	0	0	0	40	0	0	0	0	40	73
2024	41	0	14	0	54	222	0	0	222	(168)	(8)
2025	41	0	0	0	41	0	0	0	0	41	11
2026	42	0	0	0	42	0	0	0	0	42	28
2027	43	0	0	0	43	0	0	0	0	43	45
2028	44	0	0	0	44	0	0	0	0	44	61
2029	45	0	0	0	45	0	0	0	0	45	75
2030	46	0	0	0	46	0	0	0	0	46	90
2031	47	0	0	0	47	0	0	0	0	47	103
2032	48	0	0	0	48	0	0	0	0	48	116
2033	51	0	0	0	51	0	0	0	0	51	129
2034	54	0	14	0	68	284	0	0	284	(217)	79
2035	56	0	0	0	56	0	0	0	0	56	91
2036	58	0	0	0	58	0	0	0	0	58	102
2037	61	0	0	0	61	0	0	0	0	61	114
2038	63	0	0	0	63	0	0	0	0	63	125
2039	66	0	0	0	66	0	0	0	0	66	136
2040	68	0	0	0	68	0	0	0	0	68	146
2041	70	0	0	0	70	0	0	0	0	70	156
2042	73	0	0	0	73	0	0	0	0	73	166
2043	76	0	0	0	76	0	0	0	0	76	175
2044	80	0	14	0	94	364	0	0	364	(270)	144
2045	84	0	0	0	84	0	0	0	0	84	153
2046	87	0	0	0	87	0	0	0	0	87	162
2047	91	0	0	0	91	0	0	0	0	91	170
2048	95	0	0	0	95	0	0	0	0	95	178
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	1,858	0	55	0	1,913	1,044	0	0	1,044	869	
NPV	541	0	25	0	567	389	0	0	389	178	

In Service of Gen Unit: 2019  
 Discount Rate : 7.54 %  
 Benefit/Cost Ratio ( Col(6) / Col(10)) 1.46

RATE IMPACT TEST  
PROGRAM METHOD SELECTED: REV\_REQ  
PROGRAM NAME: [REDACTED] **A**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	14	15	0	29	17	0	0	0	17	(12)	(12)
2015	0	0	0	31	0	31	40	3	0	0	43	12	(1)
2016	0	0	0	30	0	30	58	3	0	0	61	31	26
2017	0	0	0	31	0	31	49	3	0	0	52	21	42
2018	0	0	0	32	0	32	55	3	0	0	58	26	62
2019	0	0	0	35	0	35	94	3	0	0	97	62	105
2020	0	0	0	37	0	37	106	3	0	0	109	72	151
2021	0	0	0	38	0	38	98	3	0	0	101	63	189
2022	0	0	0	39	0	39	88	3	0	2	93	53	219
2023	0	0	0	40	0	40	81	2	0	2	86	45	243
2024	0	0	14	41	0	55	80	2	0	3	85	30	257
2025	0	0	0	41	0	41	97	2	0	3	102	61	285
2026	0	0	0	42	0	42	104	2	0	3	110	68	313
2027	0	0	0	43	0	43	93	2	0	4	99	56	335
2028	0	0	0	44	0	44	96	2	0	4	102	58	356
2029	0	0	0	45	0	45	75	2	0	4	82	37	369
2030	0	0	0	46	0	46	84	2	0	5	90	45	383
2031	0	0	0	47	0	47	94	2	0	5	101	54	398
2032	0	0	0	48	0	48	87	2	0	6	94	46	411
2033	0	0	0	51	0	51	89	2	0	6	97	46	423
2034	0	0	14	54	0	68	76	2	0	7	84	16	426
2035	0	0	0	56	0	56	70	2	0	7	80	24	431
2036	0	0	0	58	0	58	96	2	0	8	105	47	441
2037	0	0	0	61	0	61	98	2	0	8	109	47	450
2038	0	0	0	63	0	63	90	2	0	9	101	38	457
2039	0	0	0	66	0	66	79	2	0	10	90	24	461
2040	0	0	0	68	0	68	81	2	0	11	94	26	464
2041	0	0	0	70	0	70	87	2	0	12	100	30	469
2042	0	0	0	73	0	73	100	2	0	12	114	41	474
2043	0	0	0	76	0	76	93	2	0	13	108	32	478
2044	0	0	14	80	0	94	101	2	0	14	117	23	481
2045	0	0	0	84	0	84	93	2	0	15	110	27	483
2046	0	0	0	87	0	87	79	2	0	16	97	10	484
2047	0	0	0	91	0	91	81	2	0	17	100	9	485
2048	0	0	0	95	0	95	104	2	0	19	124	29	488
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	55	1,858	0	1,914	2,914	73	0	226	3,213	1,299	
NPV	0	0	25	541	0	567	984	29	0	41	1,055	488	

Discount Rate 7.54 %  
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.86



# **EXHIBIT C**

## **JUSTIFICATION TABLE**

**EXHIBIT C**

**COMPANY:** Florida Power & Light Company  
**TITLE:** List of Confidential Exhibits  
**DOCKET TITLE:** Energy Conservation Cost Recovery  
**DOCKET NO:** 160002-EG  
**DATE:** May 2, 2016

Exhibit AS-1, Schedule CT-6 Customer Information	1-6	Y	All Pages: Line A	(e)	A. Sharma
	7-18				
	20-31				
	33-44				
	46-57				
	59-70				
	72-83				
	85-96				
	98-109				
	111-122				
	124-135				
	137-148				
	150-161				
	163-174				
	176-187				
	189-200				
	202-213				
	215-226				
	228-239				
	241-252				
254-265					
267-278					
280-291					
293-304					
306-325					

**EXHIBIT D**

**AFFIDAVIT**

EXHIBIT D

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery Clause

Docket No: 160002-EG

STATE OF FLORIDA )
)
COUNTY OF MIAMI-DADE )

DECLARATION OF ANITA SHARMA

BEFORE ME, the undersigned authority, this day personally appeared Anita Sharma, who being first duly sworn, deposes and says:

1. My name is Anita Sharma. I am employed by Florida Power & Light Company ("FPL") as Manager of Cost & Performance for Demand Side Management Programs. I have personal knowledge of the matters stated in this affidavit.

2. I have reviewed the documents and information included in Exhibit A to FPL's Request for Confidential Classification of Information included in Exhibit AS -1 to my prepared testimony. The documents and materials in Exhibit A which are asserted by FPL to be proprietary confidential business records contain customer-specific information. FPL has a corporate policy not to disclose customer-specific information. This policy includes, but is not limited to: customer names, addresses, telephone numbers, account numbers, meter numbers, rates, billing determinants (kW and kWh usage), bills, conservation retrofit information, conservation savings in kW, kWh and bills, chiller efficiency reports, costs of equipment retrofits, incentives paid, operating hours, lighting codes for fixtures installed or removed by customers, the kW per fixture of installed or removed fixtures, operating hours of equipment, the payback of conservation installations, and the identity of contractors performing customer specific installations. FPL treats such information as confidential and does not disclose it to entities or persons other than the customer without the permission of the customer, except as required by law. FPL's policy is premised upon customers' right to privacy and the potential that the disclosure of customer specific information may harm some customers' competitive interests or disclose their trade secrets or other personal, confidential protected private information.

3. Consistent with the provisions of the Florida Administrative Code, these documents should remain confidential for a period of not less than 18 months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business, so that FPL can continue to maintain the confidentiality of these documents.

4. Affiant says nothing further.

Anita Sharma (handwritten signature)

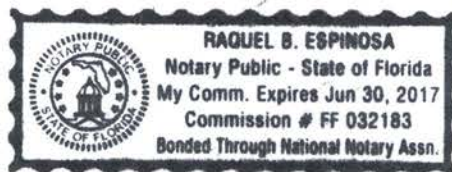
Anita Sharma

SWORN TO AND SUBSCRIBED before me this 2nd day of May 2016, by Anita Sharma, who is personally known to me and who did take an oath.

(Handwritten signature of Notary Public)

Notary Public, State of Florida

My Commission Expires:



Notary Public - State of Florida  
My Comm. Expires on 30 Sep  
Commission # 11 03183  
Bonded Through National Notary Assn

