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FPSC - COMMISSION CLERK

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May 5, 2015

VIA HAND DELIVERY

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

REDACTED

RECEIVED-FPSC
15 MAY -5 PM 3:42
COMMISSION CLERK

Re: Docket No. 150002-EG

Dear Ms. Stauffer:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") are an original and seven (7) copies of FPL's Request for Confidential Classification of Certain portions of Schedule CT-6 of Exhibit AS-1. The original includes Exhibits A through D. The seven copies do not include copies of the exhibits.

Exhibit A contains the confidential information that is the subject of FPL's Request for Confidential Classification. Exhibit A is submitted for filing separately and marked **"EXHIBIT A" – CONFIDENTIAL.** 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 of Anita Sharma. In accordance with Rule 25-22.006(3)(d), FPL requests confidential treatment of the information in EXHIBIT A pending disposition of FPL's request for Confidential Classification.

Also included herewith is a disc containing FPL's Request for Confidential Classification and Exhibit C in MS Word format.

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

Sincerely,

Maria J. Moncada

Enclosures
cc: parties of record, w/o exhibits

:2312763

COM
AFD
APA 2
ECO 3 + CD + Redacted
ENG
GCL 2
IDM
TEL
CLK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery Clause	Docket No: 150002-EG Filed: May 5, 2015

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

Pursuant to Florida Administrative Code Rule 25-22.006 and Section 366.093, Florida Statutes, Florida Power & Light Company ("FPL") requests confidential classification of portions of Schedule CT-6 of Exhibit AS-1 filed on this date with the Commission in Docket No. 150002-EG. FPL respectfully requests that the Commission grant FPL's request for confidential classification for the confidential information identified in Schedule CT-6 for the period of time identified in Section 366.093(4), Florida Statutes, or for such additional time as the Commission may deem appropriate. As grounds for this request, FPL states:

1. FPL includes in its true-up filing a number of cost-effectiveness reports regarding specific customers who qualified for incentives under FPL's Business Custom Incentives ("BCI") Program. This information is included as part of Schedule CT-6 of Exhibit AS-1, which is attached to the testimony of FPL witness Anita Sharma. The inclusion of customer-specific cost-effectiveness runs in FPL's ECCR true-up filing is consistent with and is filed in accordance with the requirements of Order No. PSC-93-0472-FOF-EG.

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

3. The information in Schedule CT-6 to Exhibit AS-1 for which FPL seeks confidential classification is customer-specific information. FPL adheres to a corporate policy which, in the absence of a Commission Order, 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 may, in some instances, constitute trade secrets to the customers, and is certainly information relating to the customers' competitive interests, the disclosure of which would or might impair the competitive business of the customers.

4. Information of this nature is proprietary confidential business information within the meaning of Section 366.093(3)(e), Florida Statutes. The Commission has previously determined that the type of information for which FPL seeks protection is proprietary confidential business information. *See, e.g.*, Order No. PSC 14-0488-CFO-EG. As a result, FPL seeks confidential classification of the specified information identified on Schedule CT-6 to Exhibit AS-1 for the period of time identified in Section 366.093(4), Florida Statutes, or for such additional time as the Commission may deem appropriate.

5. To satisfy the requirements of Rule 25-17.006, FPL has prepared four attachments to this request. Attachment A is a copy of Schedule CT-6 to Exhibit AS-1 in which all of the confidential information is highlighted. Attachment B is a copy of Schedule CT-6 in which the confidential information is redacted. Attachment C is a table that identifies the page, line, column or field references to the materials for which FPL requests confidential information; the table also references the statutory bases for the claim of confidentiality and the affidavit in

support of the requested classification. Attachment D is the affidavit of Anita Sharma explaining why the information FPL seeks to prevent from disclosure is confidential.

6. Upon a finding by the Commission that Schedule CT-6 is proprietary confidential business information within the meaning of Section 366.093(3), F.S., such materials 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. § 366.093(4), F.S.

WHEREFORE, for the foregoing reasons, FPL respectfully requests that its Request for Confidential Classification be granted.

Respectfully submitted,

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By: _____
Maria J. Moncada
Florida Bar No. 0773301

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing* has been furnished by electronic service on this 5th day of May, 2015 to the following:

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By: _____
Maria J. Moncada

* 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

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	43.00	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	56.54502	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	146,009.30	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	***	%

page 2

* INPUT DATA -- PART 1 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	9	0	9	4	3	107	0	0	107
2015	0	0	0	0	7	6	0	0	0	0
2016	0	0	0	0	7	6	0	0	0	0
2017	0	0	0	0	7	6	0	0	0	0
2018	0	0	0	0	8	6	0	0	0	0
2019	0	0	0	0	9	6	0	0	0	0
2020	0	0	0	0	9	7	0	0	0	0
2021	0	0	0	0	9	7	0	0	0	0
2022	0	0	0	0	9	7	0	0	0	0
2023	0	0	0	0	10	7	0	0	0	0
2024	0	0	0	0	10	7	0	0	0	0
2025	0	0	0	0	10	7	0	0	0	0
2026	0	0	0	0	11	6	0	0	0	0
2027	0	0	0	0	11	6	0	0	0	0
2028	0	0	0	0	11	6	0	0	0	0
2029	0	9	0	9	12	7	154	0	0	154
2030	0	0	0	0	12	7	0	0	0	0
2031	0	0	0	0	12	7	0	0	0	0
2032	0	0	0	0	13	7	0	0	0	0
2033	0	0	0	0	14	7	0	0	0	0
2034	0	0	0	0	15	7	0	0	0	0
2035	0	0	0	0	15	7	0	0	0	0
2036	0	0	0	0	16	7	0	0	0	0
2037	0	0	0	0	17	7	0	0	0	0
2038	0	0	0	0	18	7	0	0	0	0
2039	0	0	0	0	18	7	0	0	0	0
2040	0	0	0	0	19	7	0	0	0	0
2041	0	0	0	0	20	7	0	0	0	0
2042	0	0	0	0	21	7	0	0	0	0
2043	0	0	0	0	22	7	0	0	0	0
2044	1	9	0	9	23	8	224	0	0	224
2045	0	0	0	0	24	8	0	0	0	0
2046	0	0	0	0	25	8	0	0	0	0
2047	0	0	0	0	26	8	0	0	0	0
2048	0	0	0	0	28	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
NOM	1	27	0	28	503	237	485	0	0	485
NPV	1	13	0	13	140	83	184	0	0	184

* 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: [redacted] 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	53	1	0	3	2	1	0	2	0	9	9	9	52
2020	51	1	0	3	1	1	0	2	1	9	8	18	54
2021	49	1	0	3	1	1	0	2	1	9	7	25	55
2022	46	1	0	3	1	1	0	2	1	8	7	32	56
2023	44	1	0	3	1	1	0	2	0	8	6	38	58
2024	42	1	0	3	1	1	0	2	0	8	5	43	59
2025	39	1	0	2	1	1	0	2	0	7	5	48	61
2026	37	1	0	2	1	1	0	2	0	7	4	52	62
2027	35	1	0	2	1	1	0	2	0	7	4	56	64
2028	33	1	0	2	1	1	0	2	0	7	3	59	65
2029	31	1	0	2	1	1	0	2	0	6	3	62	67
2030	29	1	0	2	1	1	0	2	0	6	3	65	69
2031	27	1	0	2	1	1	0	2	0	6	2	68	70
2032	25	1	0	2	1	1	0	2	0	5	2	70	72
2033	23	0	0	1	1	0	0	2	0	5	2	72	74
2034	21	0	0	1	1	0	0	2	0	5	2	73	76
2035	19	0	0	1	1	0	0	2	0	5	1	75	78
2036	17	0	0	1	0	0	0	2	0	4	1	76	80
2037	15	0	0	1	0	0	0	2	0	4	1	77	82
2038	13	0	0	1	0	0	0	2	0	4	1	78	84
2039	12	0	0	1	1	0	0	2	(0)	4	1	79	86
2040	10	0	0	1	1	0	0	2	(1)	3	1	80	88
2041	9	0	0	1	1	0	0	2	(1)	3	1	80	90
2042	8	0	0	0	1	0	0	2	(1)	3	1	81	92
2043	7	0	0	0	1	0	0	2	(1)	3	0	81	95
2044	6	0	0	0	1	0	0	2	(1)	3	0	82	97
2045	4	0	0	0	1	0	0	2	(1)	2	0	82	99
2046	3	0	0	0	1	0	0	2	(1)	2	0	82	102
2047	2	0	0	0	1	0	0	2	(1)	2	0	83	104
2048	1	0	0	0	1	0	0	2	(1)	2	0	83	107

IN SERVICE COST	($000)	52
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	6	2	3	2	3	1	3	0	0	0	1	0
2021	6.68%	3	9	2	5	2	5	1	3	0	0	0	1	1
2022	6.18%	3	12	2	7	2	7	1	3	0	0	0	1	1
2023	5.71%	3	15	2	9	2	8	0	3	0	0	0	0	2
2024	5.29%	3	18	2	10	2	10	0	3	0	0	0	0	2
2025	4.89%	3	20	2	12	2	12	0	3	0	0	0	0	3
2026	4.52%	2	23	2	14	2	13	0	3	0	0	0	0	3
2027	4.46%	2	25	2	16	2	15	0	3	0	0	0	0	3
2028	4.46%	2	27	2	17	2	17	0	3	0	0	0	0	3
2029	4.46%	2	30	2	19	2	18	0	3	0	0	0	0	4
2030	4.46%	2	32	2	21	2	20	0	3	0	0	0	0	4
2031	4.46%	2	34	2	23	2	21	0	3	0	0	0	0	4
2032	4.46%	2	37	2	24	2	23	0	3	0	0	0	0	4
2033	4.46%	2	39	2	26	2	25	0	3	0	0	0	0	5
2034	4.46%	2	41	2	28	2	26	0	3	0	0	0	0	5
2035	4.46%	2	43	2	30	2	28	0	3	0	0	0	0	5
2036	4.46%	2	46	2	31	2	30	0	3	0	0	0	0	5
2037	4.46%	2	48	2	33	2	31	0	3	0	0	0	0	6
2038	4.46%	2	50	2	35	2	33	0	3	0	0	0	0	6
2039	2.23%	1	51	2	37	2	35	(0)	3	0	0	0	(0)	6
2040	0.00%	0	51	2	38	2	36	(1)	3	0	0	0	(1)	5
2041	0.00%	0	51	2	40	2	38	(1)	3	0	0	0	(1)	4
2042	0.00%	0	51	2	42	2	40	(1)	3	0	0	0	(1)	4
2043	0.00%	0	51	2	44	2	41	(1)	3	0	0	0	(1)	3
2044	0.00%	0	51	2	45	2	43	(1)	3	0	0	0	(1)	3
2045	0.00%	0	51	2	47	2	45	(1)	3	0	0	0	(1)	2
2046	0.00%	0	51	2	49	2	46	(1)	3	0	0	0	(1)	1
2047	0.00%	0	51	2	51	2	48	(1)	3	0	0	0	(1)	1
2048	0.00%	0	51	2	52	2	50	(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%

page 4b

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2b OF 2

(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	51	2	(1)	53	51	52
2020	7.22%	4	1	49	3	0	51	49	50
2021	6.68%	3	1	47	5	1	49	46	47
2022	6.18%	3	1	45	7	1	46	44	45
2023	5.71%	3	0	44	9	2	44	42	43
2024	5.29%	3	0	42	10	2	42	39	41
2025	4.89%	3	0	40	12	3	39	37	38
2026	4.52%	2	0	38	14	3	37	35	36
2027	4.46%	2	0	37	16	3	35	33	34
2028	4.46%	2	0	35	17	3	33	31	32
2029	4.46%	2	0	33	19	4	31	29	30
2030	4.46%	2	0	31	21	4	29	27	28
2031	4.46%	2	0	30	23	4	27	25	26
2032	4.46%	2	0	28	24	4	25	23	24
2033	4.46%	2	0	26	26	5	23	21	22
2034	4.46%	2	0	24	28	5	21	19	20
2035	4.46%	2	0	23	30	5	19	17	18
2036	4.46%	2	0	21	31	5	17	15	16
2037	4.46%	2	0	19	33	6	15	13	14
2038	4.46%	2	0	17	35	6	13	12	12
2039	2.23%	1	(0)	16	37	6	12	10	11
2040	0.00%	0	(1)	14	38	5	10	9	9
2041	0.00%	0	(1)	12	40	4	9	8	8
2042	0.00%	0	(1)	10	42	4	8	7	7
2043	0.00%	0	(1)	9	44	3	7	6	6
2044	0.00%	0	(1)	7	45	3	6	4	5
2045	0.00%	0	(1)	5	47	2	4	3	4
2046	0.00%	0	(1)	3	49	1	3	2	3
2047	0.00%	0	(1)	2	51	1	2	1	2
2048	0.00%	0	(1)	0	52	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	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

* 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.

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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	9	4	0	11	14	10
2020	9	4	0	19	24	8
2021	9	4	0	19	24	8
2022	8	4	0	20	24	9
2023	8	4	0	21	24	9
2024	8	4	0	22	26	9
2025	7	4	0	23	26	9
2026	7	4	0	23	25	9
2027	7	5	0	23	26	9
2028	7	5	0	24	27	9
2029	6	5	0	25	28	9
2030	6	5	0	26	28	9
2031	6	5	0	27	30	9
2032	5	5	0	28	30	9
2033	5	5	0	29	32	9
2034	5	5	0	30	33	9
2035	5	6	0	32	33	9
2036	4	6	0	33	34	9
2037	4	6	1	34	36	9
2038	4	6	1	35	37	9
2039	4	6	1	37	38	9
2040	3	6	1	38	39	9
2041	3	6	1	39	41	9
2042	3	7	1	41	42	9
2043	3	7	1	42	44	9
2044	3	7	1	44	46	9
2045	2	7	1	46	47	9
2046	2	7	1	47	49	9
2047	2	7	1	49	50	9
2048	2	8	1	51	52	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
NOM	157	164	14	939	1,008	265
NPV	58	42	4	225	251	78

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	6	0
2015	1	0	2	0	0	0	13	0
2016	1	0	2	0	0	0	20	0
2017	1	0	2	0	0	0	17	0
2018	1	0	2	0	0	0	19	0
2019	1	0	1	0	0	0	28	0
2020	1	0	1	0	0	0	33	0
2021	1	0	1	0	0	0	30	0
2022	1	0	1	0	0	0	26	0
2023	1	0	1	0	0	0	23	0
2024	1	0	1	0	0	0	23	0
2025	1	0	1	0	0	0	29	0
2026	1	0	1	0	0	0	32	0
2027	1	0	1	0	0	0	28	0
2028	1	0	1	0	0	0	28	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	25	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	28	0
2037	1	0	1	0	0	0	29	0
2038	1	0	1	0	0	0	26	0
2039	1	0	1	0	0	0	22	0
2040	1	0	1	0	0	0	23	0
2041	1	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	30	0
2045	0	0	1	0	0	0	27	0
2046	0	0	1	0	0	0	21	0
2047	0	0	1	0	0	0	22	0
2048	0	0	1	0	0	0	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
NOM.	27	11	38	3	5	9	859	0
NPV	12	3	16	2	2	3	299	0

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

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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	2	1	0	0
2023	3	4	1	0	0
2024	3	4	1	0	0
2025	3	4	1	0	0
2026	3	5	2	0	0
2027	4	5	2	0	1
2028	4	5	2	0	1
2029	5	6	2	0	1
2030	5	7	2	0	1
2031	5	7	2	0	1
2032	6	8	3	0	1
2033	7	9	3	0	1
2034	7	10	3	0	1
2035	8	10	3	0	1
2036	9	11	4	0	1
2037	9	12	4	0	1
2038	10	13	4	0	1
2039	11	14	5	0	1
2040	12	15	5	0	1
2041	13	17	5	0	2
2042	14	18	6	0	2
2043	15	19	6	0	2
2044	16	21	7	0	2
2045	17	22	7	0	2
2046	18	24	8	0	2
2047	19	25	8	0	2
2048	20	27	9	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
NOM	247	324	107	0	30
NPV	44	58	19	0	6

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	107	0	107	0	0	6	0	6	(101)	(101)
2015	0	0	0	0	0	0	2	13	0	16	16	(87)
2016	0	0	0	0	0	0	2	20	0	22	22	(68)
2017	0	0	0	0	0	0	2	17	0	19	19	(53)
2018	0	0	0	0	0	0	2	19	0	21	21	(37)
2019	0	0	0	0	0	10	2	28	0	39	39	(10)
2020	0	0	0	0	0	8	2	33	0	43	43	18
2021	0	0	0	0	0	8	2	30	0	40	40	42
2022	0	0	0	0	0	9	2	26	0	37	37	63
2023	0	0	0	0	0	9	2	23	0	34	34	80
2024	0	0	0	0	0	9	2	23	0	34	34	97
2025	0	0	0	0	0	9	1	29	0	40	40	115
2026	0	0	0	0	0	9	1	32	0	43	43	133
2027	0	0	0	0	0	9	1	28	1	38	38	148
2028	0	0	0	0	0	9	1	28	1	40	40	162
2029	0	0	154	0	155	9	1	21	1	32	(123)	120
2030	0	0	0	0	0	9	1	24	1	35	35	131
2031	0	0	0	0	0	9	1	28	1	39	39	143
2032	0	0	0	0	0	9	1	25	1	36	36	152
2033	0	0	0	0	0	9	1	26	1	37	37	162
2034	0	0	0	0	0	9	1	21	1	32	32	169
2035	0	0	0	0	0	9	1	19	1	30	30	176
2036	0	0	0	0	0	9	1	28	1	39	39	184
2037	0	0	0	0	0	9	1	29	1	40	40	191
2038	0	0	0	0	0	9	1	26	1	37	37	198
2039	0	0	0	0	0	9	1	22	1	33	33	203
2040	0	0	0	0	0	9	1	23	1	34	34	208
2041	0	0	0	0	0	9	1	25	2	36	36	213
2042	0	0	0	0	0	9	1	29	2	41	41	219
2043	0	0	0	0	0	9	1	27	2	39	39	223
2044	0	1	224	0	224	9	1	30	2	41	(183)	203
2045	0	0	0	0	0	9	1	27	2	39	39	207
2046	0	0	0	0	0	9	1	21	2	33	33	210
2047	0	0	0	0	0	9	1	22	2	34	34	213
2048	0	0	0	0	0	9	1	30	2	43	43	217
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	485	0	486	265	47	859	30	1,201	715	
NPV	0	1	184	0	184	78	19	299	6	401	217	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.18

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	7	0	9	0	16	107	0	0	107	(90)	(90)
2015	14	0	0	0	14	0	0	0	0	14	(77)
2016	14	0	0	0	14	0	0	0	0	14	(65)
2017	15	0	0	0	15	0	0	0	0	15	(53)
2018	16	0	0	0	16	0	0	0	0	16	(41)
2019	17	0	0	0	17	0	0	0	0	17	(29)
2020	18	0	0	0	18	0	0	0	0	18	(18)
2021	18	0	0	0	18	0	0	0	0	18	(7)
2022	19	0	0	0	19	0	0	0	0	19	4
2023	19	0	0	0	19	0	0	0	0	19	13
2024	19	0	0	0	19	0	0	0	0	19	23
2025	19	0	0	0	19	0	0	0	0	19	31
2026	19	0	0	0	19	0	0	0	0	19	39
2027	20	0	0	0	20	0	0	0	0	20	47
2028	20	0	0	0	20	0	0	0	0	20	54
2029	21	0	9	0	29	154	0	0	154	(125)	12
2030	21	0	0	0	21	0	0	0	0	21	19
2031	21	0	0	0	21	0	0	0	0	21	25
2032	22	0	0	0	22	0	0	0	0	22	31
2033	24	0	0	0	24	0	0	0	0	24	37
2034	25	0	0	0	25	0	0	0	0	25	43
2035	25	0	0	0	25	0	0	0	0	25	48
2036	27	0	0	0	27	0	0	0	0	27	54
2037	28	0	0	0	28	0	0	0	0	28	59
2038	28	0	0	0	28	0	0	0	0	28	64
2039	29	0	0	0	29	0	0	0	0	29	69
2040	30	0	0	0	30	0	0	0	0	30	73
2041	31	0	0	0	31	0	0	0	0	31	78
2042	32	0	0	0	32	0	0	0	0	32	82
2043	34	0	0	0	34	0	0	0	0	34	86
2044	35	0	9	0	44	224	0	0	224	(180)	66
2045	37	0	0	0	37	0	0	0	0	37	69
2046	38	0	0	0	38	0	0	0	0	38	73
2047	40	0	0	0	40	0	0	0	0	40	77
2048	41	0	0	0	41	0	0	0	0	41	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	
NOM	843	0	27	0	870	485	0	0	485	385	
NPV	251	0	13	0	264	184	0	0	184	80	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.44	

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	9	7	0	16	6	0	0	0	6	(10)	(10)
2015	0	0	0	13	0	13	13	2	0	0	16	3	(7)
2016	0	0	0	13	0	13	20	2	0	0	22	9	0
2017	0	0	0	13	0	13	17	2	0	0	19	5	5
2018	0	0	0	14	0	14	19	2	0	0	21	7	10
2019	0	0	0	15	0	15	37	2	0	0	39	24	26
2020	0	0	0	16	0	16	41	2	0	0	43	27	44
2021	0	0	0	16	0	16	38	2	0	0	40	24	58
2022	0	0	0	17	0	17	35	2	0	0	37	20	70
2023	0	0	0	17	0	17	32	2	0	0	34	17	79
2024	0	0	0	17	0	17	32	2	0	0	34	17	87
2025	0	0	0	17	0	17	38	1	0	0	40	23	97
2026	0	0	0	17	0	17	41	1	0	0	43	26	108
2027	0	0	0	17	0	17	37	1	0	1	38	21	116
2028	0	0	0	18	0	18	38	1	0	1	40	22	124
2029	0	0	9	18	0	27	30	1	0	1	32	4	125
2030	0	0	0	19	0	19	33	1	0	1	35	17	130
2031	0	0	0	19	0	19	37	1	0	1	39	20	136
2032	0	0	0	20	0	20	34	1	0	1	36	16	140
2033	0	0	0	21	0	21	35	1	0	1	37	16	144
2034	0	0	0	22	0	22	30	1	0	1	32	10	147
2035	0	0	0	22	0	22	28	1	0	1	30	8	149
2036	0	0	0	23	0	23	37	1	0	1	39	16	152
2037	0	0	0	24	0	24	38	1	0	1	40	16	155
2038	0	0	0	25	0	25	35	1	0	1	37	13	157
2039	0	0	0	26	0	26	31	1	0	1	33	8	158
2040	0	0	0	26	0	26	31	1	0	1	34	8	159
2041	0	0	0	27	0	27	34	1	0	2	36	9	161
2042	0	0	0	28	0	28	38	1	0	2	41	13	162
2043	0	0	0	29	0	29	36	1	0	2	39	9	164
2044	0	1	9	30	0	40	38	1	0	2	41	1	164
2045	0	0	0	32	0	32	36	1	0	2	39	7	164
2046	0	0	0	33	0	33	30	1	0	2	33	1	164
2047	0	0	0	34	0	34	31	1	0	2	34	0	164
2048	0	0	0	36	0	36	39	1	0	2	43	7	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	
NOM.	0	1	27	740	0	768	1,124	47	0	30	1,201	433	
NPV	0	1	13	223	0	236	377	19	0	6	401	165	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.70

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	70.14	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	92.23116	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	238,157.73	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	***	%

* 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	***	%

page 2

* INPUT DATA – PART 1 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	1	14	0	15	6	5	226	0	0	226
2015	0	0	0	0	11	9	0	0	0	0
2016	0	0	0	0	11	9	0	0	0	0
2017	0	0	0	0	12	10	0	0	0	0
2018	0	0	0	0	13	10	0	0	0	0
2019	0	0	0	0	14	11	0	0	0	0
2020	0	0	0	0	14	11	0	0	0	0
2021	0	0	0	0	14	12	0	0	0	0
2022	0	0	0	0	15	12	0	0	0	0
2023	0	0	0	0	16	11	0	0	0	0
2024	0	0	0	0	16	11	0	0	0	0
2025	0	0	0	0	16	11	0	0	0	0
2026	0	0	0	0	17	10	0	0	0	0
2027	0	0	0	0	17	11	0	0	0	0
2028	0	0	0	0	18	11	0	0	0	0
2029	1	14	0	15	18	11	328	0	0	328
2030	0	0	0	0	19	11	0	0	0	0
2031	0	0	0	0	19	11	0	0	0	0
2032	0	0	0	0	20	11	0	0	0	0
2033	0	0	0	0	22	11	0	0	0	0
2034	0	0	0	0	23	11	0	0	0	0
2035	0	0	0	0	24	11	0	0	0	0
2036	0	0	0	0	26	12	0	0	0	0
2037	0	0	0	0	27	12	0	0	0	0
2038	0	0	0	0	28	12	0	0	0	0
2039	0	0	0	0	29	12	0	0	0	0
2040	0	0	0	0	30	12	0	0	0	0
2041	0	0	0	0	31	12	0	0	0	0
2042	0	0	0	0	33	12	0	0	0	0
2043	0	0	0	0	35	12	0	0	0	0
2044	1	14	0	15	36	12	474	0	0	474
2045	0	0	0	0	38	12	0	0	0	0
2046	0	0	0	0	40	12	0	0	0	0
2047	0	0	0	0	42	13	0	0	0	0
2048	0	0	0	0	44	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
NOM	2	43	0	46	792	387	1,028	0	0	1,028
NPV	1	21	0	22	220	136	390	0	0	390

* 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: [redacted] 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	86	2	0	5	3	2	0	3	0	15	15	15	85
2020	83	2	0	5	2	1	0	3	1	15	14	29	87
2021	79	2	0	5	2	1	0	3	1	14	12	41	90
2022	75	2	0	5	2	1	0	3	1	14	11	52	92
2023	72	1	0	4	2	1	0	3	1	13	10	62	94
2024	68	1	0	4	2	1	0	3	1	13	9	70	97
2025	64	1	0	4	2	1	0	3	1	12	8	78	99
2026	61	1	0	4	2	1	0	3	0	12	7	85	101
2027	58	1	0	4	2	1	0	3	0	11	6	91	104
2028	54	1	0	3	2	1	0	3	0	11	6	97	107
2029	51	1	0	3	2	1	0	3	0	10	5	102	109
2030	48	1	0	3	2	1	0	3	0	10	4	106	112
2031	45	1	0	3	1	1	0	3	0	9	4	110	115
2032	42	1	0	3	1	1	0	3	0	9	3	114	118
2033	38	1	0	2	1	1	0	3	0	8	3	117	121
2034	35	1	0	2	1	1	0	3	0	8	3	120	124
2035	32	1	0	2	1	1	0	3	0	8	2	122	127
2036	29	1	0	2	1	1	0	3	0	7	2	124	130
2037	25	1	0	2	1	1	0	3	0	7	2	126	133
2038	22	0	0	1	1	1	0	3	0	6	2	127	136
2039	19	0	0	1	1	0	0	3	(0)	6	1	129	140
2040	16	0	0	1	2	0	0	3	(1)	5	1	130	143
2041	14	0	0	1	2	0	0	3	(1)	5	1	131	147
2042	13	0	0	1	2	0	0	3	(1)	5	1	132	151
2043	11	0	0	1	2	0	0	3	(1)	5	1	133	154
2044	9	0	0	1	1	0	0	3	(1)	4	1	133	158
2045	7	0	0	0	1	0	0	3	(1)	4	1	134	162
2046	5	0	0	0	1	0	0	3	(1)	4	1	134	166
2047	4	0	0	0	1	0	0	3	(1)	4	0	135	170
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	135	175

IN SERVICE COST	($000)	85
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	13	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	33	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	28	3	27	0	4	0	0	0	0	6
2029	4.46%	4	48	3	31	3	30	0	4	0	0	0	0	6
2030	4.46%	4	52	3	34	3	32	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	63	3	43	3	40	0	4	0	0	0	0	8
2034	4.46%	4	67	3	45	3	43	0	4	0	0	0	0	8
2035	4.46%	4	71	3	48	3	46	0	4	0	0	0	0	8
2036	4.46%	4	75	3	51	3	48	0	4	0	0	0	0	9
2037	4.46%	4	78	3	54	3	51	0	4	0	0	0	0	9
2038	4.46%	4	82	3	57	3	54	0	4	0	0	0	0	10
2039	2.23%	2	84	3	60	3	57	(0)	4	0	0	0	(0)	9
2040	0.00%	0	84	3	63	3	59	(1)	4	0	0	0	(1)	8
2041	0.00%	0	84	3	65	3	62	(1)	4	0	0	0	(1)	7
2042	0.00%	0	84	3	68	3	65	(1)	4	0	0	0	(1)	6
2043	0.00%	0	84	3	71	3	67	(1)	4	0	0	0	(1)	5
2044	0.00%	0	84	3	74	3	70	(1)	4	0	0	0	(1)	4
2045	0.00%	0	84	3	77	3	73	(1)	4	0	0	0	(1)	3
2046	0.00%	0	84	3	80	3	75	(1)	4	0	0	0	(1)	2
2047	0.00%	0	84	3	82	3	78	(1)	4	0	0	0	(1)	1
2048	0.00%	0	84	3	85	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: [redacted] 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	82	3	(1)	86	83	85
2020	7.22%	6	1	80	6	0	83	79	81
2021	6.68%	6	1	77	9	1	79	75	77
2022	6.18%	5	1	74	11	2	75	72	73
2023	5.71%	5	1	71	14	3	72	68	70
2024	5.29%	4	1	68	17	4	68	64	66
2025	4.89%	4	1	65	20	4	64	61	63
2026	4.52%	4	0	63	23	5	61	58	59
2027	4.46%	4	0	60	26	5	58	54	56
2028	4.46%	4	0	57	28	6	54	51	53
2029	4.46%	4	0	54	31	6	51	48	50
2030	4.46%	4	0	51	34	6	48	45	46
2031	4.46%	4	0	48	37	7	45	42	43
2032	4.46%	4	0	45	40	7	42	38	40
2033	4.46%	4	0	43	43	8	38	35	37
2034	4.46%	4	0	40	45	8	35	32	33
2035	4.46%	4	0	37	48	8	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	28	57	10	22	19	20
2039	2.23%	2	(0)	26	60	9	19	16	17
2040	0.00%	0	(1)	23	63	8	16	14	15
2041	0.00%	0	(1)	20	65	7	14	13	14
2042	0.00%	0	(1)	17	68	6	13	11	12
2043	0.00%	0	(1)	14	71	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	82	1	4	2	3
2048	0.00%	0	(1)	(0)	85	0	2	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	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

* 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	15	6	0	17	23	16
2020	15	6	1	31	39	14
2021	14	6	1	32	39	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	41	46	14
2030	10	8	1	42	46	15
2031	9	8	1	44	48	14
2032	9	8	1	46	49	15
2033	8	9	1	48	52	14
2034	8	9	1	50	53	14
2035	8	9	1	51	54	14
2036	7	9	1	53	56	14
2037	7	9	1	55	58	14
2038	6	10	1	58	60	14
2039	6	10	1	60	62	15
2040	5	10	1	62	64	14
2041	5	10	1	64	66	14
2042	5	11	1	67	69	15
2043	5	11	1	69	71	14
2044	4	11	1	72	74	14
2045	4	12	1	75	77	15
2046	4	12	1	77	79	15
2047	4	12	1	80	82	15
2048	3	12	1	83	85	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
NOM	256	267	23	1,531	1,644	433
NPV	94	69	6	367	409	127

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	9	0
2015	2	0	3	0	0	0	22	0
2016	2	0	3	0	0	0	33	0
2017	2	0	3	0	0	0	27	0
2018	2	0	2	0	0	0	31	0
2019	2	0	2	0	0	0	45	0
2020	2	0	2	0	0	0	54	0
2021	2	0	2	0	0	0	49	0
2022	2	0	2	0	0	0	43	0
2023	2	0	2	0	0	0	38	0
2024	2	0	2	0	0	0	38	0
2025	2	0	2	0	0	0	48	0
2026	1	0	2	0	0	0	52	0
2027	1	0	2	0	0	0	45	0
2028	1	0	2	0	0	0	46	0
2029	1	0	2	0	0	0	34	0
2030	1	0	2	0	0	0	39	0
2031	1	0	2	0	0	0	46	0
2032	1	1	2	0	0	0	41	0
2033	1	1	2	0	0	0	43	0
2034	1	1	2	0	0	0	34	0
2035	1	1	2	0	0	0	31	0
2036	1	1	2	0	0	0	46	0
2037	1	1	2	0	0	0	48	0
2038	1	1	2	0	0	0	43	0
2039	1	1	2	0	0	0	35	0
2040	1	1	1	0	0	0	37	0
2041	1	1	1	0	0	0	40	0
2042	1	1	1	0	0	0	48	0
2043	1	1	1	0	0	0	44	0
2044	1	1	1	0	0	0	48	0
2045	1	1	1	0	0	0	43	0
2046	1	1	1	0	0	0	34	0
2047	1	1	1	0	0	0	36	0
2048	1	1	1	0	0	0	49	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	44	18	62	5	9	14	1,400	0
NPV	20	5	25	3	3	5	487	0

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

page 8a

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	3	4	1	0	0
2023	4	6	2	0	0
2024	5	6	2	0	1
2025	5	7	2	0	1
2026	6	7	2	0	1
2027	6	8	3	0	1
2028	7	9	3	0	1
2029	7	10	3	0	1
2030	8	11	4	0	1
2031	9	12	4	0	1
2032	10	13	4	0	1
2033	11	14	5	0	1
2034	12	16	5	0	1
2035	13	17	6	0	2
2036	14	18	6	0	2
2037	15	20	7	0	2
2038	16	21	7	0	2
2039	18	23	8	0	2
2040	19	25	8	0	2
2041	21	27	9	0	2
2042	22	29	10	0	3
2043	24	31	10	0	3
2044	26	34	11	0	3
2045	28	36	12	0	3
2046	29	39	13	0	4
2047	31	41	13	0	4
2048	33	44	14	0	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
NOM	403	528	174	0	49
NPV	72	94	32	0	9

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	226	0	227	0	0	9	0	10	(217)	(217)
2015	0	0	0	0	0	0	3	22	0	25	25	(194)
2016	0	0	0	0	0	0	3	33	0	36	36	(163)
2017	0	0	0	0	0	0	3	27	0	30	30	(138)
2018	0	0	0	0	0	0	3	31	0	34	34	(113)
2019	0	0	0	0	0	16	3	45	0	64	64	(68)
2020	0	0	0	0	0	14	3	54	0	70	70	(23)
2021	0	0	0	0	0	13	3	49	0	65	65	17
2022	0	0	0	0	0	14	3	43	0	60	60	50
2023	0	0	0	0	0	15	3	38	0	56	56	79
2024	0	0	0	0	0	14	2	38	1	55	55	106
2025	0	0	0	0	0	14	2	48	1	65	65	135
2026	0	0	0	0	0	15	2	52	1	70	70	164
2027	0	0	0	0	0	14	2	45	1	63	63	188
2028	0	0	0	0	0	15	2	46	1	65	65	212
2029	0	1	328	0	328	14	2	34	1	52	(276)	119
2030	0	0	0	0	0	15	2	39	1	57	57	137
2031	0	0	0	0	0	14	2	46	1	63	63	155
2032	0	0	0	0	0	15	2	41	1	59	59	171
2033	0	0	0	0	0	14	2	43	1	60	60	186
2034	0	0	0	0	0	14	2	34	1	52	52	198
2035	0	0	0	0	0	14	2	31	2	49	49	209
2036	0	0	0	0	0	14	2	46	2	64	64	222
2037	0	0	0	0	0	14	2	48	2	66	66	234
2038	0	0	0	0	0	14	2	43	2	61	61	245
2039	0	0	0	0	0	15	2	35	2	54	54	254
2040	0	0	0	0	0	14	2	37	2	55	55	262
2041	0	0	0	0	0	14	2	40	2	59	59	270
2042	0	0	0	0	0	15	2	48	3	67	67	279
2043	0	0	0	0	0	14	2	44	3	63	63	287
2044	0	1	474	0	475	14	2	48	3	67	(408)	241
2045	0	0	0	0	0	15	2	43	3	63	63	247
2046	0	0	0	0	0	15	2	34	4	54	54	253
2047	0	0	0	0	0	15	2	36	4	56	56	258
2048	0	0	0	0	0	15	2	49	4	70	70	263
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	1,028	0	1,030	433	76	1,400	49	1,959	929	
NPV	0	1	390	0	391	127	31	487	9	654	263	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.67

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	12	0	14	0	26	226	0	0	226	(200)	(200)
2015	23	0	0	0	23	0	0	0	0	23	(179)
2016	23	0	0	0	23	0	0	0	0	23	(159)
2017	24	0	0	0	24	0	0	0	0	24	(140)
2018	25	0	0	0	25	0	0	0	0	25	(121)
2019	27	0	0	0	27	0	0	0	0	27	(102)
2020	28	0	0	0	28	0	0	0	0	28	(84)
2021	29	0	0	0	29	0	0	0	0	29	(67)
2022	30	0	0	0	30	0	0	0	0	30	(50)
2023	30	0	0	0	30	0	0	0	0	30	(34)
2024	30	0	0	0	30	0	0	0	0	30	(20)
2025	30	0	0	0	30	0	0	0	0	30	(6)
2026	31	0	0	0	31	0	0	0	0	31	7
2027	31	0	0	0	31	0	0	0	0	31	19
2028	32	0	0	0	32	0	0	0	0	32	31
2029	33	0	14	0	47	328	0	0	328	(280)	(64)
2030	33	0	0	0	33	0	0	0	0	33	(53)
2031	34	0	0	0	34	0	0	0	0	34	(43)
2032	36	0	0	0	36	0	0	0	0	36	(34)
2033	38	0	0	0	38	0	0	0	0	38	(24)
2034	39	0	0	0	39	0	0	0	0	39	(15)
2035	40	0	0	0	40	0	0	0	0	40	(6)
2036	42	0	0	0	42	0	0	0	0	42	2
2037	44	0	0	0	44	0	0	0	0	44	11
2038	45	0	0	0	45	0	0	0	0	45	19
2039	47	0	0	0	47	0	0	0	0	47	26
2040	48	0	0	0	48	0	0	0	0	48	33
2041	50	0	0	0	50	0	0	0	0	50	40
2042	51	0	0	0	51	0	0	0	0	51	47
2043	54	0	0	0	54	0	0	0	0	54	54
2044	56	0	14	0	70	474	0	0	474	(404)	8
2045	58	0	0	0	58	0	0	0	0	58	14
2046	60	0	0	0	60	0	0	0	0	60	20
2047	63	0	0	0	63	0	0	0	0	63	26
2048	66	0	0	0	66	0	0	0	0	66	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	
NOM	1,342	0	43	0	1,385	1,028	0	0	1,028	357	
NPV	400	0	21	0	421	390	0	0	390	31	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.08	

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	1	14	11	0	26	9	0	0	0	10	(16)	(16)
2015	0	0	0	20	0	20	22	3	0	0	25	5	(11)
2016	0	0	0	21	0	21	33	3	0	0	36	15	2
2017	0	0	0	21	0	21	27	3	0	0	30	9	9
2018	0	0	0	23	0	23	31	3	0	0	34	11	18
2019	0	0	0	24	0	24	61	3	0	0	64	40	45
2020	0	0	0	25	0	25	67	3	0	0	70	45	74
2021	0	0	0	26	0	26	63	3	0	0	65	39	98
2022	0	0	0	27	0	27	57	3	0	0	60	33	116
2023	0	0	0	27	0	27	53	3	0	0	56	29	131
2024	0	0	0	27	0	27	52	2	0	1	55	28	145
2025	0	0	0	27	0	27	62	2	0	1	65	38	162
2026	0	0	0	27	0	27	67	2	0	1	70	42	180
2027	0	0	0	28	0	28	60	2	0	1	63	35	193
2028	0	0	0	28	0	28	62	2	0	1	65	36	206
2029	0	1	14	29	0	44	49	2	0	1	52	8	209
2030	0	0	0	30	0	30	54	2	0	1	57	28	218
2031	0	0	0	30	0	30	60	2	0	1	63	33	227
2032	0	0	0	31	0	31	56	2	0	1	59	28	235
2033	0	0	0	33	0	33	57	2	0	1	60	27	241
2034	0	0	0	34	0	34	49	2	0	1	52	18	245
2035	0	0	0	35	0	35	45	2	0	2	49	14	248
2036	0	0	0	37	0	37	61	2	0	2	64	27	254
2037	0	0	0	38	0	38	62	2	0	2	66	27	259
2038	0	0	0	39	0	39	57	2	0	2	61	21	263
2039	0	0	0	41	0	41	50	2	0	2	54	13	265
2040	0	0	0	42	0	42	51	2	0	2	55	14	267
2041	0	0	0	43	0	43	55	2	0	2	59	16	269
2042	0	0	0	45	0	45	63	2	0	3	67	23	272
2043	0	0	0	47	0	47	58	2	0	3	63	16	274
2044	0	1	14	49	0	64	63	2	0	3	67	3	275
2045	0	0	0	50	0	50	58	2	0	3	63	13	276
2046	0	0	0	52	0	52	49	2	0	4	54	2	276
2047	0	0	0	54	0	54	50	2	0	4	56	2	276
2048	0	0	0	57	0	57	64	2	0	4	70	13	277
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	43	1,179	0	1,225	1,833	76	0	49	1,959	734	
NPV	0	1	21	355	0	377	614	31	0	9	654	277	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.74

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	26.79	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	35.22591	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	249,008.21	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	1.58642	
(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	***	%

page 2

* INPUT DATA – PART 1 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	1	6	0	6	6	2	49	0	0	49
2015	0	0	0	0	12	4	0	0	0	0
2016	0	0	0	0	12	4	0	0	0	0
2017	0	0	0	0	13	4	0	0	0	0
2018	0	0	0	0	14	4	0	0	0	0
2019	0	0	0	0	15	4	0	0	0	0
2020	0	0	0	0	15	4	0	0	0	0
2021	0	0	0	0	15	4	0	0	0	0
2022	0	0	0	0	16	5	0	0	0	0
2023	0	0	0	0	17	4	0	0	0	0
2024	1	6	0	6	17	4	63	0	0	63
2025	0	0	0	0	18	4	0	0	0	0
2026	0	0	0	0	18	4	0	0	0	0
2027	0	0	0	0	19	4	0	0	0	0
2028	0	0	0	0	19	4	0	0	0	0
2029	0	0	0	0	20	4	0	0	0	0
2030	0	0	0	0	20	4	0	0	0	0
2031	0	0	0	0	21	4	0	0	0	0
2032	0	0	0	0	22	4	0	0	0	0
2033	0	0	0	0	24	4	0	0	0	0
2034	1	6	0	6	25	4	80	0	0	80
2035	0	0	0	0	26	4	0	0	0	0
2036	0	0	0	0	28	4	0	0	0	0
2037	0	0	0	0	29	4	0	0	0	0
2038	0	0	0	0	30	4	0	0	0	0
2039	0	0	0	0	31	5	0	0	0	0
2040	0	0	0	0	32	5	0	0	0	0
2041	0	0	0	0	34	5	0	0	0	0
2042	0	0	0	0	35	5	0	0	0	0
2043	0	0	0	0	37	5	0	0	0	0
2044	1	6	0	7	39	5	102	0	0	102
2045	0	0	0	0	41	5	0	0	0	0
2046	0	0	0	0	43	5	0	0	0	0
2047	0	0	0	0	45	5	0	0	0	0
2048	0	0	0	0	47	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
NOM	3	22	0	25	858	148	294	0	0	294
NPV	1	10	0	11	238	52	109	0	0	109

* 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: [redacted] 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	33	1	0	2	1	1	0	1	0	6	6	6	33
2020	32	1	0	2	1	1	0	1	0	6	5	11	33
2021	30	1	0	2	1	1	0	1	0	5	5	16	34
2022	29	1	0	2	1	1	0	1	0	5	4	20	35
2023	27	1	0	2	1	0	0	1	0	5	4	24	36
2024	26	1	0	2	1	0	0	1	0	5	3	27	37
2025	25	1	0	2	1	0	0	1	0	5	3	30	38
2026	23	0	0	1	1	0	0	1	0	4	3	33	39
2027	22	0	0	1	1	0	0	1	0	4	2	35	40
2028	21	0	0	1	1	0	0	1	0	4	2	37	41
2029	20	0	0	1	1	0	0	1	0	4	2	39	42
2030	18	0	0	1	1	0	0	1	0	4	2	41	43
2031	17	0	0	1	1	0	0	1	0	4	1	42	44
2032	16	0	0	1	1	0	0	1	0	3	1	43	45
2033	15	0	0	1	0	0	0	1	0	3	1	45	46
2034	13	0	0	1	0	0	0	1	0	3	1	46	47
2035	12	0	0	1	0	0	0	1	0	3	1	47	48
2036	11	0	0	1	0	0	0	1	0	3	1	47	50
2037	10	0	0	1	0	0	0	1	0	3	1	48	51
2038	8	0	0	1	0	0	0	1	0	2	1	49	52
2039	7	0	0	0	0	0	0	1	(0)	2	1	49	53
2040	6	0	0	0	1	0	0	1	(0)	2	0	50	55
2041	6	0	0	0	1	0	0	1	(0)	2	0	50	56
2042	5	0	0	0	1	0	0	1	(0)	2	0	50	57
2043	4	0	0	0	1	0	0	1	(0)	2	0	51	59
2044	3	0	0	0	1	0	0	1	(0)	2	0	51	60
2045	3	0	0	0	1	0	0	1	(0)	2	0	51	62
2046	2	0	0	0	1	0	0	1	(0)	1	0	51	63
2047	1	0	0	0	0	0	0	1	(0)	1	0	52	65
2048	1	0	0	0	0	(0)	0	1	(0)	1	0	52	67

IN SERVICE COST	($000)	33
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2a OF 2

(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%	2	4	1	2	1	2	0	2	0	0	0	0	0
2021	6.68%	2	6	1	3	1	3	0	2	0	0	0	0	1
2022	6.18%	2	8	1	4	1	4	0	2	0	0	0	0	1
2023	5.71%	2	9	1	5	1	5	0	2	0	0	0	0	1
2024	5.29%	2	11	1	7	1	6	0	2	0	0	0	0	1
2025	4.89%	2	13	1	8	1	7	0	2	0	0	0	0	2
2026	4.52%	1	14	1	9	1	8	0	2	0	0	0	0	2
2027	4.46%	1	16	1	10	1	9	0	2	0	0	0	0	2
2028	4.46%	1	17	1	11	1	10	0	2	0	0	0	0	2
2029	4.46%	1	18	1	12	1	11	0	2	0	0	0	0	2
2030	4.46%	1	20	1	13	1	12	0	2	0	0	0	0	2
2031	4.46%	1	21	1	14	1	13	0	2	0	0	0	0	3
2032	4.46%	1	23	1	15	1	14	0	2	0	0	0	0	3
2033	4.46%	1	24	1	16	1	15	0	2	0	0	0	0	3
2034	4.46%	1	26	1	17	1	16	0	2	0	0	0	0	3
2035	4.46%	1	27	1	18	1	17	0	2	0	0	0	0	3
2036	4.46%	1	28	1	20	1	19	0	2	0	0	0	0	3
2037	4.46%	1	30	1	21	1	20	0	2	0	0	0	0	4
2038	4.46%	1	31	1	22	1	21	0	2	0	0	0	0	4
2039	2.23%	1	32	1	23	1	22	(0)	2	0	0	0	(0)	4
2040	0.00%	0	32	1	24	1	23	(0)	2	0	0	0	(0)	3
2041	0.00%	0	32	1	25	1	24	(0)	2	0	0	0	(0)	3
2042	0.00%	0	32	1	26	1	25	(0)	2	0	0	0	(0)	2
2043	0.00%	0	32	1	27	1	26	(0)	2	0	0	0	(0)	2
2044	0.00%	0	32	1	28	1	27	(0)	2	0	0	0	(0)	2
2045	0.00%	0	32	1	29	1	28	(0)	2	0	0	0	(0)	1
2046	0.00%	0	32	1	30	1	29	(0)	2	0	0	0	(0)	1
2047	0.00%	0	32	1	31	1	30	(0)	2	0	0	0	(0)	0
2048	0.00%	0	32	1	33	1	31	(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)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

page 4b

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2b OF 2

(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%	1	0	31	1	(0)	33	32	32
2020	7.22%	2	0	30	2	0	32	30	31
2021	6.68%	2	0	29	3	1	30	29	30
2022	6.18%	2	0	28	4	1	29	27	28
2023	5.71%	2	0	27	5	1	27	26	27
2024	5.29%	2	0	26	7	1	26	25	25
2025	4.89%	2	0	25	8	2	25	23	24
2026	4.52%	1	0	24	9	2	23	22	23
2027	4.46%	1	0	23	10	2	22	21	21
2028	4.46%	1	0	22	11	2	21	20	20
2029	4.46%	1	0	21	12	2	20	18	19
2030	4.46%	1	0	20	13	2	18	17	18
2031	4.46%	1	0	18	14	3	17	16	16
2032	4.46%	1	0	17	15	3	16	15	15
2033	4.46%	1	0	16	16	3	15	13	14
2034	4.46%	1	0	15	17	3	13	12	13
2035	4.46%	1	0	14	18	3	12	11	12
2036	4.46%	1	0	13	20	3	11	10	10
2037	4.46%	1	0	12	21	4	10	8	9
2038	4.46%	1	0	11	22	4	8	7	8
2039	2.23%	1	(0)	10	23	4	7	6	7
2040	0.00%	0	(0)	9	24	3	6	6	6
2041	0.00%	0	(0)	8	25	3	6	5	5
2042	0.00%	0	(0)	7	26	2	5	4	4
2043	0.00%	0	(0)	5	27	2	4	3	4
2044	0.00%	0	(0)	4	28	2	3	3	3
2045	0.00%	0	(0)	3	29	1	3	2	2
2046	0.00%	0	(0)	2	30	1	2	1	2
2047	0.00%	0	(0)	1	31	0	1	1	1
2048	0.00%	0	(0)	(0)	33	0	1	0	0

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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	7.02	3.64	0.00	1.00	1.00
2015	1	1	4.45	7.28	4.51	0.00	1.00	1.00
2016	1	1	4.92	12.68	5.00	0.00	1.00	1.00
2017	1	1	4.27	9.83	4.31	0.00	1.00	1.00
2018	1	1	5.27	12.51	5.33	0.00	1.00	1.00
2019	1	1	5.38	15.20	5.44	5.05	1.00	1.00
2020	1	1	5.65	15.29	5.71	5.04	1.00	1.00
2021	1	1	5.65	14.46	5.71	5.11	1.00	1.00
2022	1	1	5.60	14.79	5.65	5.07	1.00	1.00
2023	1	1	5.60	13.84	5.65	5.17	1.00	1.00
2024	1	1	5.81	13.31	5.86	5.46	1.00	1.00
2025	1	1	5.98	13.81	6.03	5.61	1.00	1.00
2026	1	1	5.73	11.82	5.78	5.73	1.00	1.00
2027	1	1	6.01	14.29	6.07	6.01	1.00	1.00
2028	1	1	6.07	12.27	6.13	6.10	1.00	1.00
2029	1	1	6.28	11.82	6.34	6.40	1.00	1.00
2030	1	1	6.34	11.45	6.40	6.40	1.00	1.00
2031	1	1	6.57	12.37	6.62	6.72	1.00	1.00
2032	1	1	6.62	9.88	6.66	6.79	1.00	1.00
2033	1	1	6.97	12.42	7.00	7.12	1.00	1.00
2034	1	1	7.05	10.28	7.08	7.32	1.00	1.00
2035	1	1	7.19	9.69	7.22	7.51	1.00	1.00
2036	1	1	7.47	10.70	7.49	7.70	1.00	1.00
2037	1	1	7.68	11.21	7.71	8.03	1.00	1.00
2038	1	1	7.94	11.07	7.97	8.32	1.00	1.00
2039	1	1	8.12	10.73	8.15	8.48	1.00	1.00
2040	1	1	8.35	10.98	8.37	8.85	1.00	1.00
2041	1	1	8.67	11.51	8.69	9.11	1.00	1.00
2042	1	1	8.99	12.53	9.02	9.45	1.00	1.00
2043	1	1	9.27	12.46	9.30	9.80	1.00	1.00
2044	1	1	9.60	13.16	9.63	10.24	1.00	1.00
2045	1	1	9.94	13.08	9.97	10.56	1.00	1.00
2046	1	1	10.25	12.60	10.27	10.91	1.00	1.00
2047	1	1	10.57	13.26	10.60	11.25	1.00	1.00
2048	1	1	11.00	14.62	11.04	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

*** 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	2	0	7	9	6
2020	6	2	0	12	15	5
2021	5	2	0	12	15	5
2022	5	3	0	12	15	5
2023	5	3	0	13	15	6
2024	5	3	0	14	16	5
2025	5	3	0	14	16	5
2026	4	3	0	14	16	6
2027	4	3	0	15	16	5
2028	4	3	0	15	17	6
2029	4	3	0	16	17	5
2030	4	3	0	16	18	6
2031	4	3	0	17	18	5
2032	3	3	0	17	19	6
2033	3	3	0	18	20	5
2034	3	3	0	19	20	5
2035	3	3	0	20	21	5
2036	3	4	0	20	21	6
2037	3	4	0	21	22	5
2038	2	4	0	22	23	5
2039	2	4	0	23	24	6
2040	2	4	0	24	25	5
2041	2	4	0	24	25	5
2042	2	4	0	25	26	6
2043	2	4	0	26	27	6
2044	2	4	0	27	28	5
2045	2	4	0	28	29	6
2046	1	5	0	30	30	6
2047	1	5	0	30	31	6
2048	1	5	0	32	33	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
NOM	98	102	9	585	628	165
NPV	36	26	2	140	156	48

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	10	0
2015	1	0	1	0	0	0	20	0
2016	1	0	1	0	0	0	36	0
2017	1	0	1	0	0	0	27	0
2018	1	0	1	0	0	0	35	0
2019	1	0	1	0	0	0	43	0
2020	1	0	1	0	0	0	43	0
2021	1	0	1	0	0	0	41	0
2022	1	0	1	0	0	0	42	0
2023	1	0	1	0	0	0	39	0
2024	1	0	1	0	0	0	37	0
2025	1	0	1	0	0	0	38	0
2026	1	0	1	0	0	0	33	0
2027	1	0	1	0	0	0	40	0
2028	1	0	1	0	0	0	34	0
2029	0	0	1	0	0	0	32	0
2030	0	0	1	0	0	0	31	0
2031	0	0	1	0	0	0	34	0
2032	0	0	1	0	0	0	26	0
2033	0	0	1	0	0	0	34	0
2034	0	0	1	0	0	0	27	0
2035	0	0	1	0	0	0	25	0
2036	0	0	1	0	0	0	28	0
2037	0	0	1	0	0	0	30	0
2038	0	0	1	0	0	0	29	0
2039	0	0	1	0	0	0	28	0
2040	0	0	1	0	0	0	29	0
2041	0	0	1	0	0	0	30	0
2042	0	0	1	0	0	0	33	0
2043	0	0	1	0	0	0	33	0
2044	0	0	1	0	0	0	35	0
2045	0	0	1	0	0	0	34	0
2046	0	0	1	0	0	0	33	0
2047	0	0	1	0	0	0	34	0
2048	0	0	1	0	0	0	38	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	17	7	24	2	3	5	1,138	0
NPV	8	2	10	1	1	2	421	0

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

page 8a

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	1	1	1	0	1
2023	2	2	2	0	1
2024	2	2	2	0	2
2025	2	3	2	0	2
2026	2	3	3	0	2
2027	2	3	3	0	2
2028	3	3	3	0	2
2029	3	4	3	0	3
2030	3	4	4	0	3
2031	3	4	4	0	3
2032	4	5	4	0	3
2033	4	5	5	0	4
2034	5	6	5	0	4
2035	5	6	6	0	4
2036	5	7	6	0	5
2037	6	8	7	0	5
2038	6	8	7	0	5
2039	7	9	8	0	6
2040	7	10	9	0	6
2041	8	10	9	0	7
2042	9	11	10	0	7
2043	9	12	11	0	8
2044	10	13	12	0	9
2045	11	14	12	0	9
2046	11	15	13	0	10
2047	12	16	14	0	10
2048	13	17	15	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
NOM	154	202	181	0	134
NPV	27	36	33	0	24

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	49	0	49	0	0	10	0	10	(40)	(40)
2015	0	0	0	0	0	0	1	20	0	21	21	(20)
2016	0	0	0	0	0	0	1	36	0	37	37	11
2017	0	0	0	0	0	0	1	27	0	28	28	34
2018	0	0	0	0	0	0	1	35	0	36	36	61
2019	0	0	0	0	0	6	1	43	0	50	50	96
2020	0	0	0	0	0	5	1	43	0	49	49	128
2021	0	0	0	0	0	5	1	41	0	47	47	156
2022	0	0	0	0	0	5	1	42	1	49	49	183
2023	0	0	0	0	0	6	1	39	1	47	47	208
2024	0	1	63	0	63	5	1	37	2	45	(18)	199
2025	0	0	0	0	0	5	1	38	2	46	46	220
2026	0	0	0	0	0	6	1	33	2	41	41	237
2027	0	0	0	0	0	5	1	40	2	48	48	255
2028	0	0	0	0	0	6	1	34	2	43	43	271
2029	0	0	0	0	0	5	1	32	3	41	41	285
2030	0	0	0	0	0	6	1	31	3	40	40	297
2031	0	0	0	0	0	5	1	34	3	43	43	310
2032	0	0	0	0	0	6	1	26	3	36	36	320
2033	0	0	0	0	0	5	1	34	4	43	43	330
2034	0	1	80	0	81	5	1	27	4	37	(44)	320
2035	0	0	0	0	0	5	1	25	4	36	36	328
2036	0	0	0	0	0	6	1	28	5	39	39	336
2037	0	0	0	0	0	5	1	30	5	41	41	344
2038	0	0	0	0	0	5	1	29	5	41	41	351
2039	0	0	0	0	0	6	1	28	6	40	40	357
2040	0	0	0	0	0	5	1	29	6	41	41	364
2041	0	0	0	0	0	5	1	30	7	43	43	370
2042	0	0	0	0	0	6	1	33	7	47	47	376
2043	0	0	0	0	0	6	1	33	8	47	47	381
2044	0	1	102	0	104	5	1	35	9	49	(54)	375
2045	0	0	0	0	0	6	1	34	9	49	49	381
2046	0	0	0	0	0	6	1	33	10	49	49	385
2047	0	0	0	0	0	6	1	34	10	51	51	390
2048	0	0	0	0	0	6	1	38	11	56	56	395
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	294	0	297	165	29	1,138	134	1,466	1,169	
NPV	0	1	109	0	111	48	12	421	24	505	395	

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)	(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	9	0	6	0	15	49	0	0	49	(34)	(34)
2015	18	0	0	0	18	0	0	0	0	18	(17)
2016	18	0	0	0	18	0	0	0	0	18	(1)
2017	19	0	0	0	19	0	0	0	0	19	14
2018	21	0	0	0	21	0	0	0	0	21	29
2019	22	0	0	0	22	0	0	0	0	22	45
2020	23	0	0	0	23	0	0	0	0	23	59
2021	23	0	0	0	23	0	0	0	0	23	73
2022	24	0	0	0	24	0	0	0	0	24	86
2023	25	0	0	0	25	0	0	0	0	25	99
2024	25	0	6	0	31	63	0	0	63	(32)	84
2025	26	0	0	0	26	0	0	0	0	26	95
2026	26	0	0	0	26	0	0	0	0	26	106
2027	27	0	0	0	27	0	0	0	0	27	116
2028	27	0	0	0	27	0	0	0	0	27	126
2029	28	0	0	0	28	0	0	0	0	28	136
2030	29	0	0	0	29	0	0	0	0	29	145
2031	29	0	0	0	29	0	0	0	0	29	153
2032	31	0	0	0	31	0	0	0	0	31	162
2033	33	0	0	0	33	0	0	0	0	33	170
2034	34	0	6	0	40	80	0	0	80	(40)	161
2035	36	0	0	0	36	0	0	0	0	36	168
2036	38	0	0	0	38	0	0	0	0	38	176
2037	39	0	0	0	39	0	0	0	0	39	183
2038	41	0	0	0	41	0	0	0	0	41	191
2039	42	0	0	0	42	0	0	0	0	42	197
2040	43	0	0	0	43	0	0	0	0	43	204
2041	45	0	0	0	45	0	0	0	0	45	210
2042	47	0	0	0	47	0	0	0	0	47	217
2043	50	0	0	0	50	0	0	0	0	50	223
2044	52	0	6	0	57	102	0	0	102	(45)	217
2045	54	0	0	0	54	0	0	0	0	54	223
2046	57	0	0	0	57	0	0	0	0	57	229
2047	59	0	0	0	59	0	0	0	0	59	234
2048	62	0	0	0	62	0	0	0	0	62	239
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,182	0	22	0	1,204	294	0	0	294	910	
NPV	339	0	10	0	349	109	0	0	109	239	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	3.19	

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	1	6	8	0	14	10	0	0	0	10	(5)	(5)
2015	0	0	0	15	0	15	20	1	0	0	21	5	0
2016	0	0	0	16	0	16	36	1	0	0	37	21	19
2017	0	0	0	16	0	16	27	1	0	0	28	12	28
2018	0	0	0	18	0	18	35	1	0	0	36	18	42
2019	0	0	0	19	0	19	49	1	0	0	50	31	64
2020	0	0	0	19	0	19	48	1	0	0	49	30	83
2021	0	0	0	20	0	20	46	1	0	0	47	27	99
2022	0	0	0	21	0	21	47	1	0	1	49	28	115
2023	0	0	0	21	0	21	44	1	0	1	47	25	128
2024	0	1	6	22	0	28	42	1	0	2	45	17	136
2025	0	0	0	22	0	22	44	1	0	2	46	25	147
2026	0	0	0	22	0	22	38	1	0	2	41	19	155
2027	0	0	0	23	0	23	45	1	0	2	48	25	165
2028	0	0	0	23	0	23	40	1	0	2	43	19	172
2029	0	0	0	24	0	24	38	1	0	3	41	17	178
2030	0	0	0	25	0	25	37	1	0	3	40	16	183
2031	0	0	0	25	0	25	39	1	0	3	43	18	188
2032	0	0	0	26	0	26	32	1	0	3	36	10	190
2033	0	0	0	28	0	28	39	1	0	4	43	15	194
2034	0	1	6	29	0	36	33	1	0	4	37	2	195
2035	0	0	0	30	0	30	31	1	0	4	36	6	196
2036	0	0	0	32	0	32	34	1	0	5	39	7	197
2037	0	0	0	33	0	33	35	1	0	5	41	8	199
2038	0	0	0	35	0	35	35	1	0	5	41	6	200
2039	0	0	0	36	0	36	34	1	0	6	40	5	201
2040	0	0	0	37	0	37	34	1	0	6	41	4	201
2041	0	0	0	38	0	38	36	1	0	7	43	5	202
2042	0	0	0	40	0	40	39	1	0	7	47	7	203
2043	0	0	0	42	0	42	38	1	0	8	47	5	203
2044	0	1	6	44	0	50	40	1	0	9	49	(1)	203
2045	0	0	0	46	0	46	40	1	0	9	49	4	204
2046	0	0	0	48	0	48	38	1	0	10	49	1	204
2047	0	0	0	50	0	50	40	1	0	10	51	1	204
2048	0	0	0	52	0	52	44	1	0	11	56	3	204
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	22	1,006	0	1,031	1,304	29	0	134	1,466	435	
NPV	0	1	10	290	0	301	469	12	0	24	505	204	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.68

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	36.59	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	48.11363	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	325,871.96	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	***	%

page 2

* INPUT DATA -- PART 1 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	1	8	0	8	8	2	99	0	0	99
2015	0	0	0	0	15	5	0	0	0	0
2016	0	0	0	0	15	5	0	0	0	0
2017	0	0	0	0	16	5	0	0	0	0
2018	0	0	0	0	18	5	0	0	0	0
2019	0	0	0	0	19	6	0	0	0	0
2020	0	0	0	0	19	6	0	0	0	0
2021	0	0	0	0	19	6	0	0	0	0
2022	0	0	0	0	20	6	0	0	0	0
2023	0	0	0	0	21	6	0	0	0	0
2024	1	8	0	8	22	6	127	0	0	127
2025	0	0	0	0	22	6	0	0	0	0
2026	0	0	0	0	23	5	0	0	0	0
2027	0	0	0	0	24	5	0	0	0	0
2028	0	0	0	0	24	5	0	0	0	0
2029	0	0	0	0	25	6	0	0	0	0
2030	0	0	0	0	26	6	0	0	0	0
2031	0	0	0	0	27	6	0	0	0	0
2032	0	0	0	0	28	6	0	0	0	0
2033	0	0	0	0	30	6	0	0	0	0
2034	1	8	0	8	32	6	163	0	0	163
2035	0	0	0	0	33	6	0	0	0	0
2036	0	0	0	0	35	6	0	0	0	0
2037	0	0	0	0	37	6	0	0	0	0
2038	0	0	0	0	38	6	0	0	0	0
2039	0	0	0	0	40	6	0	0	0	0
2040	0	0	0	0	41	6	0	0	0	0
2041	0	0	0	0	43	6	0	0	0	0
2042	0	0	0	0	45	6	0	0	0	0
2043	0	0	0	0	47	6	0	0	0	0
2044	1	8	0	9	50	6	208	0	0	208
2045	0	0	0	0	52	6	0	0	0	0
2046	0	0	0	0	55	7	0	0	0	0
2047	0	0	0	0	57	7	0	0	0	0
2048	0	0	0	0	60	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
NOM	3	30	0	33	1,084	202	597	0	0	597
NPV	1	14	0	15	301	71	222	0	0	222

* 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: [redacted] 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	45	1	0	3	2	1	0	1	0	8	8	8	44
2020	44	1	0	3	1	1	0	1	1	8	7	15	46
2021	41	1	0	3	1	1	0	1	1	7	6	21	47
2022	39	1	0	2	1	1	0	1	1	7	6	27	48
2023	37	1	0	2	1	1	0	1	0	7	5	32	49
2024	35	1	0	2	1	1	0	1	0	7	5	37	50
2025	34	1	0	2	1	1	0	1	0	6	4	41	52
2026	32	1	0	2	1	1	0	1	0	6	4	44	53
2027	30	1	0	2	1	1	0	1	0	6	3	48	54
2028	28	1	0	2	1	1	0	1	0	6	3	51	56
2029	27	1	0	2	1	1	0	1	0	5	3	53	57
2030	25	1	0	2	1	0	0	1	0	5	2	55	58
2031	23	0	0	1	1	0	0	1	0	5	2	58	60
2032	22	0	0	1	1	0	0	1	0	5	2	59	61
2033	20	0	0	1	1	0	0	1	0	4	2	61	63
2034	18	0	0	1	1	0	0	1	0	4	1	62	64
2035	17	0	0	1	0	0	0	1	0	4	1	64	66
2036	15	0	0	1	0	0	0	1	0	4	1	65	68
2037	13	0	0	1	0	0	0	1	0	3	1	66	69
2038	11	0	0	1	0	0	0	1	0	3	1	66	71
2039	10	0	0	1	1	0	0	1	(0)	3	1	67	73
2040	8	0	0	1	1	0	0	1	(1)	3	1	68	75
2041	8	0	0	0	1	0	0	1	(1)	3	1	68	77
2042	7	0	0	0	1	0	0	1	(1)	3	0	69	79
2043	6	0	0	0	1	0	0	1	(1)	2	0	69	80
2044	5	0	0	0	1	0	0	1	(1)	2	0	70	82
2045	4	0	0	0	1	0	0	1	(1)	2	0	70	85
2046	3	0	0	0	1	0	0	1	(1)	2	0	70	87
2047	2	0	0	0	1	0	0	1	(1)	2	0	70	89
2048	1	0	0	0	1	(0)	0	1	(1)	2	0	71	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%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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%	3	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	30	(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	36	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	39	1	37	(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	42	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: [redacted] 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	43	1	(1)	45	44	44
2020	7.22%	3	1	42	3	0	44	41	42
2021	6.68%	3	1	40	4	1	41	39	40
2022	6.18%	3	1	39	6	1	39	37	38
2023	5.71%	3	0	37	7	2	37	35	36
2024	5.29%	2	0	36	9	2	35	34	35
2025	4.89%	2	0	34	10	2	34	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	28
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	36	3	7	6	6
2043	0.00%	0	(1)	7	37	3	6	5	5
2044	0.00%	0	(1)	6	39	2	5	4	4
2045	0.00%	0	(1)	4	40	2	4	3	3
2046	0.00%	0	(1)	3	42	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: [redacted] 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	7.41	3.63	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

*** 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	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	8
2036	4	5	0	28	29	8
2037	3	5	0	29	30	7
2038	3	5	0	30	32	7
2039	3	5	0	31	32	8
2040	3	5	0	32	34	7
2041	3	5	0	33	34	7
2042	3	6	0	35	36	8
2043	2	6	1	36	37	8
2044	2	6	1	38	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	7	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
NOM	133	139	12	799	858	226
NPV	49	36	3	192	213	66

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	13	0
2015	1	0	1	0	0	0	27	0
2016	1	0	1	0	0	0	49	0
2017	1	0	1	0	0	0	36	0
2018	1	0	1	0	0	0	48	0
2019	1	0	1	0	0	0	62	0
2020	1	0	1	0	0	0	60	0
2021	1	0	1	0	0	0	55	0
2022	1	0	1	0	0	0	55	0
2023	1	0	1	0	0	0	58	0
2024	1	0	1	0	0	0	49	0
2025	1	0	1	0	0	0	58	0
2026	1	0	1	0	0	0	49	0
2027	1	0	1	0	0	0	56	0
2028	1	0	1	0	0	0	51	0
2029	1	0	1	0	0	0	46	0
2030	1	0	1	0	0	0	46	0
2031	1	0	1	0	0	0	50	0
2032	1	0	1	0	0	0	37	0
2033	1	0	1	0	0	0	50	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	40	0
2037	1	0	1	0	0	0	42	0
2038	0	0	1	0	0	0	41	0
2039	0	0	1	0	0	0	39	0
2040	0	0	1	0	0	0	39	0
2041	0	0	1	0	0	0	41	0
2042	0	0	1	0	0	0	46	0
2043	0	0	1	0	0	0	45	0
2044	0	0	1	0	0	0	48	0
2045	0	0	1	0	0	0	47	0
2046	0	0	1	0	0	0	43	0
2047	0	0	1	0	0	0	46	0
2048	0	0	1	0	0	0	52	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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	1,599	0
NPV	10	3	13	1	1	3	592	0

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

page 8a

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	2	2	0	1
2023	2	3	2	0	2
2024	3	3	3	0	2
2025	3	4	3	0	2
2026	3	4	3	0	2
2027	3	4	4	0	3
2028	3	5	4	0	3
2029	4	5	4	0	3
2030	4	6	5	0	4
2031	5	6	5	0	4
2032	5	7	6	0	4
2033	6	7	6	0	5
2034	6	8	7	0	5
2035	7	9	8	0	6
2036	7	10	8	0	6
2037	8	10	9	0	6
2038	9	11	10	0	7
2039	9	12	10	0	8
2040	10	13	11	0	8
2041	11	14	12	0	9
2042	12	15	13	0	10
2043	12	16	14	0	10
2044	13	18	15	0	11
2045	14	19	16	0	12
2046	15	20	17	0	13
2047	16	21	18	0	13
2048	17	23	20	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
NOM	210	275	238	0	172
NPV	38	49	43	0	31

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	99	0	100	0	0	13	0	13	(86)	(86)
2015	0	0	0	0	0	0	2	27	0	29	29	(60)
2016	0	0	0	0	0	0	2	49	0	51	51	(16)
2017	0	0	0	0	0	0	2	36	0	38	38	15
2018	0	0	0	0	0	0	2	48	0	49	49	52
2019	0	0	0	0	0	8	1	62	0	72	72	102
2020	0	0	0	0	0	7	1	60	0	68	68	146
2021	0	0	0	0	0	7	1	55	0	64	64	184
2022	0	0	0	0	0	7	1	55	1	65	65	221
2023	0	0	0	0	0	8	1	58	2	69	69	256
2024	0	1	127	0	128	7	1	49	2	60	(68)	224
2025	0	0	0	0	0	7	1	58	2	69	69	255
2026	0	0	0	0	0	8	1	49	2	61	61	280
2027	0	0	0	0	0	7	1	56	3	67	67	306
2028	0	0	0	0	0	8	1	51	3	63	63	329
2029	0	0	0	0	0	7	1	46	3	58	58	348
2030	0	0	0	0	0	8	1	46	4	58	58	367
2031	0	0	0	0	0	7	1	50	4	63	63	385
2032	0	0	0	0	0	8	1	37	4	49	49	398
2033	0	0	0	0	0	7	1	50	5	63	63	414
2034	0	1	163	0	163	7	1	39	5	52	(111)	388
2035	0	0	0	0	0	8	1	35	6	49	49	399
2036	0	0	0	0	0	8	1	40	6	55	55	410
2037	0	0	0	0	0	7	1	42	6	57	57	421
2038	0	0	0	0	0	7	1	41	7	56	56	430
2039	0	0	0	0	0	8	1	39	8	55	55	439
2040	0	0	0	0	0	7	1	39	8	56	56	448
2041	0	0	0	0	0	7	1	41	9	59	59	456
2042	0	0	0	0	0	8	1	46	10	64	64	464
2043	0	0	0	0	0	8	1	45	10	64	64	472
2044	0	1	208	0	209	7	1	48	11	67	(142)	456
2045	0	0	0	0	0	8	1	47	12	67	67	463
2046	0	0	0	0	0	8	1	43	13	65	65	469
2047	0	0	0	0	0	8	1	46	13	68	68	475
2048	0	0	0	0	0	8	1	52	14	75	75	482
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	597	0	600	226	40	1,599	172	2,037	1,436	
NPV	0	1	222	0	223	66	16	592	31	705	482	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 3.16

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	12	0	8	0	20	99	0	0	99	(80)	(80)
2015	23	0	0	0	23	0	0	0	0	23	(58)
2016	23	0	0	0	23	0	0	0	0	23	(38)
2017	24	0	0	0	24	0	0	0	0	24	(18)
2018	26	0	0	0	26	0	0	0	0	26	1
2019	28	0	0	0	28	0	0	0	0	28	21
2020	29	0	0	0	29	0	0	0	0	29	40
2021	29	0	0	0	29	0	0	0	0	29	57
2022	30	0	0	0	30	0	0	0	0	30	74
2023	32	0	0	0	32	0	0	0	0	32	91
2024	32	0	8	0	40	127	0	0	127	(87)	48
2025	33	0	0	0	33	0	0	0	0	33	63
2026	33	0	0	0	33	0	0	0	0	33	77
2027	34	0	0	0	34	0	0	0	0	34	90
2028	35	0	0	0	35	0	0	0	0	35	103
2029	36	0	0	0	36	0	0	0	0	36	115
2030	37	0	0	0	37	0	0	0	0	37	126
2031	38	0	0	0	38	0	0	0	0	38	137
2032	39	0	0	0	39	0	0	0	0	39	148
2033	42	0	0	0	42	0	0	0	0	42	159
2034	44	0	8	0	51	163	0	0	163	(111)	133
2035	45	0	0	0	45	0	0	0	0	45	143
2036	48	0	0	0	48	0	0	0	0	48	152
2037	50	0	0	0	50	0	0	0	0	50	162
2038	52	0	0	0	52	0	0	0	0	52	171
2039	54	0	0	0	54	0	0	0	0	54	180
2040	55	0	0	0	55	0	0	0	0	55	188
2041	58	0	0	0	58	0	0	0	0	58	196
2042	60	0	0	0	60	0	0	0	0	60	204
2043	63	0	0	0	63	0	0	0	0	63	212
2044	66	0	8	0	74	208	0	0	208	(135)	196
2045	69	0	0	0	69	0	0	0	0	69	204
2046	72	0	0	0	72	0	0	0	0	72	211
2047	75	0	0	0	75	0	0	0	0	75	218
2048	79	0	0	0	79	0	0	0	0	79	224
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,508	0	30	0	1,538	597	0	0	597	941	
NPV	433	0	14	0	447	222	0	0	222	224	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	**2.01**	

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	1	8	10	0	19	13	0	0	0	13	(5)	(5)
2015	0	0	0	20	0	20	27	2	0	0	29	9	3
2016	0	0	0	20	0	20	49	2	0	0	51	31	29
2017	0	0	0	21	0	21	36	2	0	0	38	17	43
2018	0	0	0	23	0	23	48	2	0	0	49	27	63
2019	0	0	0	25	0	25	70	1	0	0	72	47	96
2020	0	0	0	25	0	25	67	1	0	0	68	43	124
2021	0	0	0	25	0	25	62	1	0	0	64	38	147
2022	0	0	0	26	0	26	63	1	0	1	65	39	169
2023	0	0	0	27	0	27	66	1	0	2	69	42	190
2024	0	1	8	28	0	36	57	1	0	2	60	24	202
2025	0	0	0	28	0	28	65	1	0	2	69	41	220
2026	0	0	0	29	0	29	57	1	0	2	61	32	234
2027	0	0	0	29	0	29	63	1	0	3	67	38	249
2028	0	0	0	30	0	30	59	1	0	3	63	33	261
2029	0	0	0	31	0	31	54	1	0	3	58	27	270
2030	0	0	0	31	0	31	54	1	0	4	58	27	278
2031	0	0	0	32	0	32	58	1	0	4	63	30	287
2032	0	0	0	34	0	34	44	1	0	4	49	16	291
2033	0	0	0	36	0	36	58	1	0	5	63	27	298
2034	0	1	8	37	0	46	46	1	0	5	52	6	300
2035	0	0	0	39	0	39	43	1	0	6	49	10	302
2036	0	0	0	41	0	41	48	1	0	6	55	13	305
2037	0	0	0	43	0	43	49	1	0	6	57	14	307
2038	0	0	0	44	0	44	48	1	0	7	56	12	309
2039	0	0	0	46	0	46	46	1	0	8	55	9	311
2040	0	0	0	47	0	47	47	1	0	8	56	9	312
2041	0	0	0	49	0	49	49	1	0	9	59	10	314
2042	0	0	0	51	0	51	54	1	0	10	64	13	315
2043	0	0	0	54	0	54	52	1	0	10	64	10	316
2044	0	1	8	56	0	65	55	1	0	11	67	2	317
2045	0	0	0	58	0	58	54	1	0	12	67	8	318
2046	0	0	0	61	0	61	51	1	0	13	65	4	318
2047	0	0	0	64	0	64	54	1	0	13	68	4	318
2048	0	0	0	67	0	67	60	1	0	14	75	9	319
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	30	1,286	0	1,319	1,825	40	0	172	2,037	717	
NPV	0	1	14	371	0	386	658	16	0	31	705	319	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.83

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	158.37	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	208.24563	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	1,410,700.32	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	***	%

page 2

* INPUT DATA – PART 1 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	1	33	0	34	31	14	419	0	0	419
2015	0	0	0	0	57	28	0	0	0	0
2016	0	0	0	0	58	28	0	0	0	0
2017	0	0	0	0	60	29	0	0	0	0
2018	0	0	0	0	67	30	0	0	0	0
2019	0	0	0	0	73	31	0	0	0	0
2020	0	0	0	0	74	32	0	0	0	0
2021	0	0	0	0	75	34	0	0	0	0
2022	0	0	0	0	77	36	0	0	0	0
2023	0	0	0	0	81	34	0	0	0	0
2024	1	33	0	34	83	35	536	0	0	536
2025	0	0	0	0	85	34	0	0	0	0
2026	0	0	0	0	88	33	0	0	0	0
2027	0	0	0	0	91	33	0	0	0	0
2028	0	0	0	0	94	33	0	0	0	0
2029	0	0	0	0	97	34	0	0	0	0
2030	0	0	0	0	100	34	0	0	0	0
2031	0	0	0	0	103	34	0	0	0	0
2032	0	0	0	0	109	35	0	0	0	0
2033	0	0	0	0	119	35	0	0	0	0
2034	2	33	0	34	124	36	686	0	0	686
2035	0	0	0	0	129	36	0	0	0	0
2036	0	0	0	0	139	37	0	0	0	0
2037	0	0	0	0	145	37	0	0	0	0
2038	0	0	0	0	151	37	0	0	0	0
2039	0	0	0	0	158	38	0	0	0	0
2040	0	0	0	0	164	38	0	0	0	0
2041	0	0	0	0	171	38	0	0	0	0
2042	0	0	0	0	179	38	0	0	0	0
2043	0	0	0	0	191	39	0	0	0	0
2044	2	33	0	35	201	39	878	0	0	878
2045	0	0	0	0	211	39	0	0	0	0
2046	0	0	0	0	222	40	0	0	0	0
2047	0	0	0	0	233	40	0	0	0	0
2048	0	0	0	0	245	40	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	130	0	137	4,288	1,209	2,518	0	0	2,518
NPV	2	60	0	62	1,169	415	937	0	0	937

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 2

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	195	4	0	12	7	3	0	6	0	34	34	34	193
2020	188	4	0	12	5	3	0	6	3	33	31	65	197
2021	179	4	0	11	5	3	0	6	3	32	28	92	202
2022	170	4	0	11	5	3	0	6	2	31	25	117	207
2023	162	3	0	10	5	3	0	6	2	29	22	139	213
2024	153	3	0	10	5	3	0	6	2	28	20	159	218
2025	145	3	0	9	5	3	0	6	1	27	18	177	223
2026	138	3	0	9	5	3	0	6	1	26	16	192	229
2027	130	3	0	8	4	2	0	6	1	25	14	206	235
2028	123	3	0	8	4	2	0	6	1	24	13	219	241
2029	116	2	0	7	4	2	0	6	1	23	11	230	247
2030	108	2	0	7	4	2	0	6	1	22	10	240	253
2031	101	2	0	6	3	2	0	6	1	21	9	249	259
2032	94	2	0	6	3	2	0	6	1	20	8	257	265
2033	86	2	0	5	3	2	0	6	1	19	7	264	272
2034	79	2	0	5	2	2	0	6	1	18	6	270	279
2035	72	1	0	4	2	2	0	6	1	17	5	275	286
2036	64	1	0	4	2	1	0	6	1	16	5	280	293
2037	57	1	0	4	2	1	0	6	1	15	4	284	300
2038	50	1	0	3	1	1	0	6	1	14	4	287	308
2039	42	1	0	3	3	1	0	6	(1)	13	3	291	316
2040	37	1	0	2	4	1	0	6	(2)	12	3	293	323
2041	33	1	0	2	4	1	0	6	(2)	12	2	296	332
2042	29	1	0	2	4	1	0	6	(2)	11	2	298	340
2043	24	1	0	2	4	1	0	6	(2)	10	2	299	348
2044	20	0	0	1	3	0	0	6	(2)	10	2	301	357
2045	16	0	0	1	3	0	0	6	(2)	9	1	302	366
2046	12	0	0	1	3	0	0	6	(2)	9	1	304	375
2047	8	0	0	1	3	0	0	6	(2)	8	1	305	384
2048	4	0	0	0	3	0	0	6	(2)	7	1	306	394

IN SERVICE COST	($000)	193
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	7	7	6	6	6	6	0	10	0	0	0	0	(2)
2020	7.22%	14	21	6	13	6	12	3	10	0	0	0	3	1
2021	6.68%	13	33	6	19	6	18	3	10	0	0	0	3	3
2022	6.18%	12	45	6	26	6	24	2	10	0	0	0	2	5
2023	5.71%	11	56	6	32	6	30	2	10	0	0	0	2	7
2024	5.29%	10	66	6	39	6	36	2	10	0	0	0	2	9
2025	4.89%	9	75	6	45	6	43	1	10	0	0	0	1	10
2026	4.52%	9	84	6	51	6	49	1	10	0	0	0	1	11
2027	4.46%	8	92	6	58	6	55	1	10	0	0	0	1	12
2028	4.46%	8	101	6	64	6	61	1	10	0	0	0	1	13
2029	4.46%	8	109	6	71	6	67	1	10	0	0	0	1	14
2030	4.46%	8	118	6	77	6	73	1	10	0	0	0	1	15
2031	4.46%	8	126	6	83	6	79	1	10	0	0	0	1	15
2032	4.46%	8	135	6	90	6	85	1	10	0	0	0	1	16
2033	4.46%	8	143	6	96	6	91	1	10	0	0	0	1	17
2034	4.46%	8	151	6	103	6	97	1	10	0	0	0	1	18
2035	4.46%	8	160	6	109	6	103	1	10	0	0	0	1	19
2036	4.46%	8	168	6	116	6	109	1	10	0	0	0	1	20
2037	4.46%	8	177	6	122	6	116	1	10	0	0	0	1	21
2038	4.46%	8	185	6	128	6	122	1	10	0	0	0	1	22
2039	2.23%	4	189	6	135	6	128	(1)	10	0	0	0	(1)	21
2040	0.00%	0	189	6	141	6	134	(2)	10	0	0	0	(2)	19
2041	0.00%	0	189	6	148	6	140	(2)	10	0	0	0	(2)	16
2042	0.00%	0	189	6	154	6	146	(2)	10	0	0	0	(2)	14
2043	0.00%	0	189	6	160	6	152	(2)	10	0	0	0	(2)	12
2044	0.00%	0	189	6	167	6	158	(2)	10	0	0	0	(2)	9
2045	0.00%	0	189	6	173	6	164	(2)	10	0	0	0	(2)	7
2046	0.00%	0	189	6	180	6	170	(2)	10	0	0	0	(2)	5
2047	0.00%	0	189	6	186	6	176	(2)	10	0	0	0	(2)	2
2048	0.00%	0	189	6	193	6	182	(2)	10	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)	10
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	7	0	186	6	(2)	195	188	192
2020	7.22%	14	3	180	13	1	188	179	184
2021	6.68%	13	3	173	19	3	179	170	175
2022	6.18%	12	2	167	26	5	170	162	166
2023	5.71%	11	2	160	32	7	162	153	157
2024	5.29%	10	2	154	39	9	153	145	149
2025	4.89%	9	1	148	45	10	145	138	142
2026	4.52%	9	1	141	51	11	138	130	134
2027	4.46%	8	1	135	58	12	130	123	127
2028	4.46%	8	1	128	64	13	123	116	119
2029	4.46%	8	1	122	71	14	116	108	112
2030	4.46%	8	1	116	77	15	108	101	105
2031	4.46%	8	1	109	83	15	101	94	97
2032	4.46%	8	1	103	90	16	94	86	90
2033	4.46%	8	1	96	96	17	86	79	83
2034	4.46%	8	1	90	103	18	79	72	75
2035	4.46%	8	1	83	109	19	72	64	68
2036	4.46%	8	1	77	116	20	64	57	61
2037	4.46%	8	1	71	122	21	57	50	53
2038	4.46%	8	1	64	128	22	50	42	46
2039	2.23%	4	(1)	58	135	21	42	37	40
2040	0.00%	0	(2)	51	141	19	37	33	35
2041	0.00%	0	(2)	45	148	16	33	29	31
2042	0.00%	0	(2)	39	154	14	29	24	26
2043	0.00%	0	(2)	32	160	12	24	20	22
2044	0.00%	0	(2)	26	167	9	20	16	18
2045	0.00%	0	(2)	19	173	7	16	12	14
2046	0.00%	0	(2)	13	180	5	12	8	10
2047	0.00%	0	(2)	6	186	2	8	4	6
2048	0.00%	0	(2)	0	193	0	4	0	2

* Column not specified in workbook

INPUT DATA – PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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

*** 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	34	14	1	39	51	36
2020	33	14	1	70	88	31
2021	32	14	1	71	89	30
2022	31	15	1	74	88	32
2023	29	15	1	77	90	33
2024	28	16	1	81	95	32
2025	27	16	1	84	96	32
2026	26	16	1	83	94	33
2027	25	17	1	86	97	32
2028	24	17	1	90	99	34
2029	23	18	2	93	103	32
2030	22	18	2	95	104	33
2031	21	18	2	99	109	32
2032	20	19	2	103	111	33
2033	19	19	2	108	117	32
2034	18	20	2	112	120	32
2035	17	20	2	116	123	33
2036	16	21	2	120	127	33
2037	15	21	2	125	132	32
2038	14	22	2	130	136	32
2039	13	23	2	135	139	33
2040	12	23	2	140	145	32
2041	12	24	2	144	149	32
2042	11	24	2	151	155	33
2043	10	25	2	156	161	33
2044	10	25	2	162	168	32
2045	9	26	2	168	173	33
2046	9	27	2	175	179	33
2047	8	27	2	180	184	33
2048	7	28	2	188	192	34
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	578	604	52	3,456	3,713	978
NPV	212	156	13	829	924	287

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AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [redacted] A

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(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	55	0
2015	5	1	6	1	0	1	130	0
2016	5	1	6	1	0	1	194	0
2017	5	1	6	1	0	1	163	0
2018	5	1	6	1	0	1	184	0
2019	5	1	5	1	0	1	267	0
2020	4	1	5	1	0	1	318	0
2021	4	1	5	1	0	1	292	0
2022	4	1	5	1	0	1	253	0
2023	4	1	5	1	0	1	224	0
2024	4	1	5	1	0	1	223	0
2025	4	1	5	0	0	1	283	0
2026	3	1	4	0	0	1	308	0
2027	3	1	4	0	1	1	269	0
2028	3	1	4	0	1	1	274	0
2029	3	1	4	0	1	1	204	0
2030	3	1	4	0	1	1	233	0
2031	3	1	4	0	1	1	270	0
2032	3	1	4	0	1	1	243	0
2033	3	1	4	0	1	1	252	0
2034	2	1	4	0	1	1	204	0
2035	2	1	4	0	1	1	183	0
2036	2	1	4	0	1	1	273	0
2037	2	1	3	0	1	1	282	0
2038	2	1	3	0	1	1	254	0
2039	2	1	3	0	1	1	208	0
2040	2	1	3	0	1	1	219	0
2041	2	1	3	0	1	1	239	0
2042	2	1	3	0	1	1	284	0
2043	2	2	3	0	1	1	260	0
2044	2	2	3	0	1	1	287	0
2045	2	2	3	0	1	1	257	0
2046	2	2	3	0	1	1	204	0
2047	1	2	3	0	1	1	211	0
2048	1	2	3	0	1	1	291	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	100	40	140	12	20	32	8,296	0
NPV	45	12	57	6	6	12	2,887	0

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

page 8a

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	1	0	1
2015	0	0	1	0	1
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	7	9	8	0	5
2023	10	13	11	0	8
2024	11	15	12	0	9
2025	12	16	13	0	10
2026	13	17	15	0	11
2027	14	18	16	0	12
2028	15	20	17	0	13
2029	17	22	19	0	14
2030	18	24	21	0	15
2031	20	27	23	0	17
2032	22	29	25	0	19
2033	25	32	28	0	20
2034	27	35	30	0	22
2035	29	38	33	0	24
2036	32	41	36	0	26
2037	34	45	39	0	28
2038	37	49	42	0	30
2039	40	52	45	0	33
2040	43	57	49	0	35
2041	47	61	53	0	38
2042	50	66	57	0	41
2043	54	71	61	0	44
2044	58	76	66	0	48
2045	62	81	70	0	51
2046	66	87	75	0	54
2047	71	93	80	0	58
2048	75	99	85	0	62
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	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	910	1,192	1,033	0	751
NPV	163	213	187	0	137

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	419	0	420	0	0	55	1	56	(363)	(363)
2015	0	0	0	0	0	0	7	130	1	138	138	(235)
2016	0	0	0	0	0	0	7	194	1	201	201	(61)
2017	0	0	0	0	0	0	7	163	0	169	169	76
2018	0	0	0	0	0	0	7	184	0	191	191	219
2019	0	0	0	0	0	36	6	267	0	310	310	434
2020	0	0	0	0	0	31	6	318	0	355	355	664
2021	0	0	0	0	0	30	6	292	0	329	329	862
2022	0	0	0	0	0	32	6	253	5	297	297	1,027
2023	0	0	0	0	0	33	6	224	8	271	271	1,168
2024	0	1	536	0	537	32	6	223	9	269	(268)	1,039
2025	0	0	0	0	0	32	5	283	10	331	331	1,188
2026	0	0	0	0	0	33	5	308	11	357	357	1,337
2027	0	0	0	0	0	32	5	269	12	318	318	1,461
2028	0	0	0	0	0	34	5	274	13	326	326	1,579
2029	0	0	0	0	0	32	5	204	14	256	256	1,665
2030	0	0	0	0	0	33	5	233	15	286	286	1,754
2031	0	0	0	0	0	32	5	270	17	324	324	1,848
2032	0	0	0	0	0	33	5	243	19	299	299	1,929
2033	0	0	0	0	0	32	5	252	20	309	309	2,007
2034	0	2	686	0	687	32	5	204	22	263	(425)	1,907
2035	0	0	0	0	0	33	4	183	24	244	244	1,960
2036	0	0	0	0	0	33	4	273	26	336	336	2,028
2037	0	0	0	0	0	32	4	282	28	347	347	2,094
2038	0	0	0	0	0	32	4	254	30	321	321	2,150
2039	0	0	0	0	0	33	4	208	33	279	279	2,195
2040	0	0	0	0	0	32	4	219	35	291	291	2,239
2041	0	0	0	0	0	32	4	239	38	314	314	2,283
2042	0	0	0	0	0	33	4	284	41	362	362	2,331
2043	0	0	0	0	0	33	4	260	44	341	341	2,372
2044	0	2	878	0	880	32	4	287	48	370	(510)	2,314
2045	0	0	0	0	0	33	4	257	51	345	345	2,351
2046	0	0	0	0	0	33	4	204	54	295	295	2,380
2047	0	0	0	0	0	33	4	211	58	306	306	2,407
2048	0	0	0	0	0	34	4	291	62	390	390	2,440
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	2,518	0	2,524	978	172	8,296	751	10,196	7,672	
NPV	0	2	937	0	940	287	69	2,887	137	3,380	2,440	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 3.60

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	51	0	33	0	84	419	0	0	419	(335)	(335)
2015	96	0	0	0	96	0	0	0	0	96	(245)
2016	99	0	0	0	99	0	0	0	0	99	(160)
2017	102	0	0	0	102	0	0	0	0	102	(78)
2018	111	0	0	0	111	0	0	0	0	111	4
2019	120	0	0	0	120	0	0	0	0	120	88
2020	122	0	0	0	122	0	0	0	0	122	166
2021	124	0	0	0	124	0	0	0	0	124	241
2022	128	0	0	0	128	0	0	0	0	128	312
2023	132	0	0	0	132	0	0	0	0	132	381
2024	135	0	33	0	168	536	0	0	536	(368)	203
2025	137	0	0	0	137	0	0	0	0	137	265
2026	140	0	0	0	140	0	0	0	0	140	323
2027	143	0	0	0	143	0	0	0	0	143	379
2028	147	0	0	0	147	0	0	0	0	147	432
2029	150	0	0	0	150	0	0	0	0	150	482
2030	154	0	0	0	154	0	0	0	0	154	531
2031	158	0	0	0	158	0	0	0	0	158	577
2032	166	0	0	0	166	0	0	0	0	166	622
2033	179	0	0	0	179	0	0	0	0	179	667
2034	185	0	33	0	218	686	0	0	686	(468)	557
2035	192	0	0	0	192	0	0	0	0	192	599
2036	204	0	0	0	204	0	0	0	0	204	640
2037	212	0	0	0	212	0	0	0	0	212	680
2038	220	0	0	0	220	0	0	0	0	220	718
2039	228	0	0	0	228	0	0	0	0	228	755
2040	235	0	0	0	235	0	0	0	0	235	791
2041	244	0	0	0	244	0	0	0	0	244	825
2042	254	0	0	0	254	0	0	0	0	254	859
2043	269	0	0	0	269	0	0	0	0	269	891
2044	281	0	33	0	314	878	0	0	878	(564)	828
2045	294	0	0	0	294	0	0	0	0	294	858
2046	307	0	0	0	307	0	0	0	0	307	888
2047	321	0	0	0	321	0	0	0	0	321	918
2048	336	0	0	0	336	0	0	0	0	336	946
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	6,376	0	130	0	6,506	2,518	0	0	2,518	3,988	
NPV	1,824	0	60	0	1,883	937	0	0	937	946	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	**2.01**	

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	1	33	45	0	78	55	0	0	1	56	(22)	(22)
2015	0	0	0	85	0	85	130	7	0	1	138	53	28
2016	0	0	0	87	0	87	194	7	0	1	201	115	127
2017	0	0	0	89	0	89	163	7	0	0	169	80	191
2018	0	0	0	97	0	97	184	7	0	0	191	95	262
2019	0	0	0	105	0	105	303	6	0	0	310	205	405
2020	0	0	0	106	0	106	349	6	0	0	355	249	566
2021	0	0	0	109	0	109	322	6	0	0	329	220	698
2022	0	0	0	113	0	113	285	6	0	5	297	184	801
2023	0	0	0	116	0	116	257	6	0	8	271	155	882
2024	0	1	33	118	0	152	255	6	0	9	269	118	939
2025	0	0	0	119	0	119	315	5	0	10	331	211	1,034
2026	0	0	0	122	0	122	341	5	0	11	357	235	1,132
2027	0	0	0	124	0	124	301	5	0	12	318	194	1,207
2028	0	0	0	127	0	127	309	5	0	13	326	199	1,279
2029	0	0	0	131	0	131	236	5	0	14	256	125	1,322
2030	0	0	0	134	0	134	266	5	0	15	286	152	1,369
2031	0	0	0	137	0	137	302	5	0	17	324	186	1,423
2032	0	0	0	144	0	144	276	5	0	19	299	155	1,465
2033	0	0	0	154	0	154	284	5	0	20	309	154	1,504
2034	0	2	33	160	0	194	236	5	0	22	263	68	1,520
2035	0	0	0	165	0	165	216	4	0	24	244	79	1,537
2036	0	0	0	176	0	176	306	4	0	26	336	160	1,570
2037	0	0	0	182	0	182	314	4	0	28	347	165	1,601
2038	0	0	0	189	0	189	286	4	0	30	321	132	1,624
2039	0	0	0	196	0	196	242	4	0	33	279	83	1,637
2040	0	0	0	202	0	202	251	4	0	35	291	89	1,651
2041	0	0	0	209	0	209	271	4	0	38	314	104	1,666
2042	0	0	0	218	0	218	317	4	0	41	362	145	1,684
2043	0	0	0	230	0	230	292	4	0	44	341	111	1,698
2044	0	2	33	240	0	275	319	4	0	48	370	96	1,709
2045	0	0	0	250	0	250	290	4	0	51	345	94	1,719
2046	0	0	0	262	0	262	237	4	0	54	295	34	1,722
2047	0	0	0	273	0	273	244	4	0	58	306	33	1,725
2048	0	0	0	286	0	286	325	4	0	62	390	104	1,734
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	130	5,497	0	5,634	9,273	172	0	751	10,196	4,562	
NPV	0	2	60	1,584	0	1,646	3,174	69	0	137	3,380	1,734	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 2.05

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	47.82	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	62.87383	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	425,915.80	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	***	%

page 2

* INPUT DATA -- PART 1 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	1	10	0	10	9	4	127	0	0	127
2015	0	0	0	0	16	9	0	0	0	0
2016	0	0	0	0	16	9	0	0	0	0
2017	0	0	0	0	17	9	0	0	0	0
2018	0	0	0	0	19	9	0	0	0	0
2019	0	0	0	0	21	10	0	0	0	0
2020	0	0	0	0	21	10	0	0	0	0
2021	0	0	0	0	21	11	0	0	0	0
2022	0	0	0	0	22	11	0	0	0	0
2023	0	0	0	0	23	11	0	0	0	0
2024	1	10	0	10	23	11	163	0	0	163
2025	0	0	0	0	24	11	0	0	0	0
2026	0	0	0	0	25	10	0	0	0	0
2027	0	0	0	0	26	10	0	0	0	0
2028	0	0	0	0	27	10	0	0	0	0
2029	0	0	0	0	28	10	0	0	0	0
2030	0	0	0	0	29	11	0	0	0	0
2031	0	0	0	0	29	11	0	0	0	0
2032	0	0	0	0	31	11	0	0	0	0
2033	0	0	0	0	34	11	0	0	0	0
2034	1	10	0	11	36	11	208	0	0	208
2035	0	0	0	0	37	11	0	0	0	0
2036	0	0	0	0	40	11	0	0	0	0
2037	0	0	0	0	42	12	0	0	0	0
2038	0	0	0	0	44	12	0	0	0	0
2039	0	0	0	0	46	12	0	0	0	0
2040	0	0	0	0	47	12	0	0	0	0
2041	0	0	0	0	50	12	0	0	0	0
2042	0	0	0	0	52	12	0	0	0	0
2043	0	0	0	0	56	12	0	0	0	0
2044	1	10	0	11	59	12	266	0	0	266
2045	0	0	0	0	62	12	0	0	0	0
2046	0	0	0	0	65	12	0	0	0	0
2047	0	0	0	0	68	13	0	0	0	0
2048	0	0	0	0	72	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
NOM	3	39	0	42	1,235	378	764	0	0	764
NPV	1	18	0	19	333	130	284	0	0	284

* 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: [redacted] 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	59	1	0	4	2	1	0	2	0	10	10	10	58
2020	57	1	0	4	1	1	0	2	1	10	9	20	60
2021	54	1	0	3	1	1	0	2	1	10	8	28	61
2022	51	1	0	3	1	1	0	2	1	9	7	35	63
2023	49	1	0	3	1	1	0	2	1	9	7	42	64
2024	46	1	0	3	1	1	0	2	0	9	6	48	66
2025	44	1	0	3	1	1	0	2	0	8	5	53	67
2026	42	1	0	3	1	1	0	2	0	8	5	58	69
2027	39	1	0	2	1	1	0	2	0	8	4	62	71
2028	37	1	0	2	1	1	0	2	0	7	4	66	73
2029	35	1	0	2	1	1	0	2	0	7	3	69	74
2030	33	1	0	2	1	1	0	2	0	7	3	73	76
2031	31	1	0	2	1	1	0	2	0	6	3	75	78
2032	28	1	0	2	1	1	0	2	0	6	2	78	80
2033	26	1	0	2	1	1	0	2	0	6	2	80	82
2034	24	0	0	1	1	0	0	2	0	5	2	81	84
2035	22	0	0	1	1	0	0	2	0	5	2	83	86
2036	19	0	0	1	1	0	0	2	0	5	1	84	88
2037	17	0	0	1	0	0	0	2	0	5	1	86	91
2038	15	0	0	1	0	0	0	2	0	4	1	87	93
2039	13	0	0	1	1	0	0	2	(0)	4	1	88	95
2040	11	0	0	1	1	0	0	2	(1)	4	1	89	98
2041	10	0	0	1	1	0	0	2	(1)	4	1	89	100
2042	9	0	0	1	1	0	0	2	(1)	3	1	90	103
2043	7	0	0	0	1	0	0	2	(1)	3	1	90	105
2044	6	0	0	0	1	0	0	2	(1)	3	0	91	108
2045	5	0	0	0	1	0	0	2	(1)	3	0	91	110
2046	4	0	0	0	1	0	0	2	(1)	3	0	92	113
2047	2	0	0	0	1	0	0	2	(1)	2	0	92	116
2048	1	0	0	0	1	(0)	0	2	(1)	2	0	92	119

IN SERVICE COST	($000)	58
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%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	4	6	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	10	2	6	2	6	1	3	0	0	0	1	1
2022	6.18%	4	14	2	8	2	7	1	3	0	0	0	1	2
2023	5.71%	3	17	2	10	2	9	1	3	0	0	0	1	2
2024	5.29%	3	20	2	12	2	11	0	3	0	0	0	0	3
2025	4.89%	3	23	2	14	2	13	0	3	0	0	0	0	3
2026	4.52%	3	25	2	16	2	15	0	3	0	0	0	0	3
2027	4.46%	3	28	2	17	2	17	0	3	0	0	0	0	4
2028	4.46%	3	30	2	19	2	18	0	3	0	0	0	0	4
2029	4.46%	3	33	2	21	2	20	0	3	0	0	0	0	4
2030	4.46%	3	36	2	23	2	22	0	3	0	0	0	0	4
2031	4.46%	3	38	2	25	2	24	0	3	0	0	0	0	5
2032	4.46%	3	41	2	27	2	26	0	3	0	0	0	0	5
2033	4.46%	3	43	2	29	2	28	0	3	0	0	0	0	5
2034	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	5
2035	4.46%	3	48	2	33	2	31	0	3	0	0	0	0	6
2036	4.46%	3	51	2	35	2	33	0	3	0	0	0	0	6
2037	4.46%	3	53	2	37	2	35	0	3	0	0	0	0	6
2038	4.46%	3	56	2	39	2	37	0	3	0	0	0	0	7
2039	2.23%	1	57	2	41	2	39	(0)	3	0	0	0	(0)	6
2040	0.00%	0	57	2	43	2	40	(1)	3	0	0	0	(1)	6
2041	0.00%	0	57	2	45	2	42	(1)	3	0	0	0	(1)	5
2042	0.00%	0	57	2	47	2	44	(1)	3	0	0	0	(1)	4
2043	0.00%	0	57	2	48	2	46	(1)	3	0	0	0	(1)	4
2044	0.00%	0	57	2	50	2	48	(1)	3	0	0	0	(1)	3
2045	0.00%	0	57	2	52	2	50	(1)	3	0	0	0	(1)	2
2046	0.00%	0	57	2	54	2	51	(1)	3	0	0	0	(1)	1
2047	0.00%	0	57	2	56	2	53	(1)	3	0	0	0	(1)	1
2048	0.00%	0	57	2	58	2	55	(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: [redacted] 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	56	2	(1)	59	57	58
2020	7.22%	4	1	54	4	0	57	54	55
2021	6.68%	4	1	52	6	1	54	51	53
2022	6.18%	4	1	50	8	2	51	49	50
2023	5.71%	3	1	48	10	2	49	46	48
2024	5.29%	3	0	47	12	3	46	44	45
2025	4.89%	3	0	45	14	3	44	42	43
2026	4.52%	3	0	43	16	3	42	39	40
2027	4.46%	3	0	41	17	4	39	37	38
2028	4.46%	3	0	39	19	4	37	35	36
2029	4.46%	3	0	37	21	4	35	33	34
2030	4.46%	3	0	35	23	4	33	31	32
2031	4.46%	3	0	33	25	5	31	28	29
2032	4.46%	3	0	31	27	5	28	26	27
2033	4.46%	3	0	29	29	5	26	24	25
2034	4.46%	3	0	27	31	5	24	22	23
2035	4.46%	3	0	25	33	6	22	19	21
2036	4.46%	3	0	23	35	6	19	17	18
2037	4.46%	3	0	21	37	6	17	15	16
2038	4.46%	3	0	19	39	7	15	13	14
2039	2.23%	1	(0)	17	41	6	13	11	12
2040	0.00%	0	(1)	16	43	6	11	10	10
2041	0.00%	0	(1)	14	45	5	10	9	9
2042	0.00%	0	(1)	12	47	4	9	7	8
2043	0.00%	0	(1)	10	48	4	7	6	7
2044	0.00%	0	(1)	8	50	3	6	5	6
2045	0.00%	0	(1)	6	52	2	5	4	4
2046	0.00%	0	(1)	4	54	1	4	2	3
2047	0.00%	0	(1)	2	56	1	2	1	2
2048	0.00%	0	(1)	(0)	58	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	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

*** 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	10	4	0	12	16	11
2020	10	4	0	21	26	9
2021	10	4	0	22	27	9
2022	9	4	0	22	27	10
2023	9	5	0	23	27	10
2024	9	5	0	25	29	10
2025	8	5	0	25	29	10
2026	8	5	0	25	28	10
2027	8	5	0	26	29	10
2028	7	5	0	27	30	10
2029	7	5	0	28	31	10
2030	7	5	0	29	31	10
2031	6	6	0	30	33	10
2032	6	6	0	31	33	10
2033	6	6	1	33	35	10
2034	5	6	1	34	36	10
2035	5	6	1	35	37	10
2036	5	6	1	36	38	10
2037	5	6	1	38	40	10
2038	4	7	1	39	41	10
2039	4	7	1	41	42	10
2040	4	7	1	42	44	10
2041	4	7	1	44	45	10
2042	3	7	1	45	47	10
2043	3	8	1	47	48	10
2044	3	8	1	49	51	10
2045	3	8	1	51	52	10
2046	3	8	1	53	54	10
2047	2	8	1	54	56	10
2048	2	8	1	57	58	10
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	174	182	16	1,044	1,121	295
NPV	64	47	4	250	279	87

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	17	0
2015	2	0	2	0	0	0	36	0
2016	2	0	2	0	0	0	58	0
2017	1	0	2	0	0	0	49	0
2018	1	0	2	0	0	0	64	0
2019	1	0	2	0	0	0	91	0
2020	1	0	2	0	0	0	84	0
2021	1	0	2	0	0	0	78	0
2022	1	0	1	0	0	0	73	0
2023	1	0	1	0	0	0	73	0
2024	1	0	1	0	0	0	65	0
2025	1	0	1	0	0	0	81	0
2026	1	0	1	0	0	0	76	0
2027	1	0	1	0	0	0	71	0
2028	1	0	1	0	0	0	81	0
2029	1	0	1	0	0	0	62	0
2030	1	0	1	0	0	0	74	0
2031	1	0	1	0	0	0	77	0
2032	1	0	1	0	0	0	55	0
2033	1	0	1	0	0	0	79	0
2034	1	0	1	0	0	0	58	0
2035	1	0	1	0	0	0	51	0
2036	1	0	1	0	0	0	60	0
2037	1	0	1	0	0	0	62	0
2038	1	0	1	0	0	0	59	0
2039	1	0	1	0	0	0	55	0
2040	1	0	1	0	0	0	55	0
2041	1	0	1	0	0	0	58	0
2042	1	0	1	0	0	0	66	0
2043	1	0	1	0	0	0	63	0
2044	1	0	1	0	0	0	68	0
2045	0	0	1	0	0	0	65	0
2046	0	0	1	0	0	0	58	0
2047	0	1	1	0	0	0	60	0
2048	0	1	1	0	0	0	73	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	30	12	42	4	6	10	2,257	0
NPV	14	4	17	2	2	4	822	0

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

page 8a

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	2	0	2
2023	3	4	3	0	2
2024	3	4	4	0	3
2025	4	5	4	0	3
2026	4	5	4	0	3
2027	4	5	5	0	4
2028	5	6	5	0	4
2029	5	7	6	0	4
2030	6	7	6	0	5
2031	6	8	7	0	5
2032	7	9	8	0	6
2033	7	10	8	0	6
2034	8	11	9	0	7
2035	9	11	10	0	7
2036	10	13	11	0	8
2037	10	14	12	0	8
2038	11	15	13	0	9
2039	12	16	14	0	10
2040	13	17	15	0	11
2041	14	18	16	0	12
2042	15	20	17	0	12
2043	16	21	18	0	13
2044	18	23	20	0	14
2045	19	25	21	0	15
2046	20	26	23	0	16
2047	21	28	24	0	17
2048	23	30	26	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
NOM	275	360	311	0	226
NPV	49	64	56	0	41

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	127	0	127	0	0	17	0	17	(111)	(111)
2015	0	0	0	0	0	0	2	36	0	39	39	(75)
2016	0	0	0	0	0	0	2	58	0	60	60	(22)
2017	0	0	0	0	0	0	2	49	0	51	51	19
2018	0	0	0	0	0	0	2	64	0	66	66	68
2019	0	0	0	0	0	11	2	91	0	104	104	141
2020	0	0	0	0	0	9	2	84	0	95	95	202
2021	0	0	0	0	0	9	2	78	0	89	89	256
2022	0	0	0	0	0	10	2	73	2	86	86	304
2023	0	0	0	0	0	10	2	73	2	87	87	349
2024	0	1	163	0	163	10	2	65	3	78	(85)	309
2025	0	0	0	0	0	10	2	81	3	95	95	351
2026	0	0	0	0	0	10	2	76	3	91	91	389
2027	0	0	0	0	0	10	2	71	4	86	86	423
2028	0	0	0	0	0	10	2	81	4	97	97	458
2029	0	0	0	0	0	10	1	62	4	78	78	484
2030	0	0	0	0	0	10	1	74	5	90	90	512
2031	0	0	0	0	0	10	1	77	5	93	93	539
2032	0	0	0	0	0	10	1	55	6	72	72	559
2033	0	0	0	0	0	10	1	79	6	96	96	583
2034	0	1	208	0	209	10	1	58	7	76	(133)	552
2035	0	0	0	0	0	10	1	51	7	69	69	567
2036	0	0	0	0	0	10	1	60	8	79	79	583
2037	0	0	0	0	0	10	1	62	8	82	82	598
2038	0	0	0	0	0	10	1	59	9	79	79	612
2039	0	0	0	0	0	10	1	55	10	76	76	624
2040	0	0	0	0	0	10	1	55	11	76	76	636
2041	0	0	0	0	0	10	1	58	12	81	81	647
2042	0	0	0	0	0	10	1	66	12	90	90	659
2043	0	0	0	0	0	10	1	63	13	88	88	670
2044	0	1	266	0	267	10	1	68	14	94	(174)	650
2045	0	0	0	0	0	10	1	65	15	91	91	660
2046	0	0	0	0	0	10	1	58	16	86	86	668
2047	0	0	0	0	0	10	1	60	17	89	89	676
2048	0	0	0	0	0	10	1	73	19	103	103	685
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	764	0	767	295	52	2,257	226	2,830	2,063	
NPV	0	1	284	0	285	87	21	822	41	970	685	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 3.40

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	15	0	10	0	25	127	0	0	127	(102)	(102)
2015	28	0	0	0	28	0	0	0	0	28	(76)
2016	29	0	0	0	29	0	0	0	0	29	(51)
2017	30	0	0	0	30	0	0	0	0	30	(28)
2018	32	0	0	0	32	0	0	0	0	32	(4)
2019	35	0	0	0	35	0	0	0	0	35	21
2020	36	0	0	0	36	0	0	0	0	36	44
2021	36	0	0	0	36	0	0	0	0	36	66
2022	37	0	0	0	37	0	0	0	0	37	87
2023	38	0	0	0	38	0	0	0	0	38	107
2024	39	0	10	0	49	163	0	0	163	(114)	52
2025	40	0	0	0	40	0	0	0	0	40	69
2026	40	0	0	0	40	0	0	0	0	40	86
2027	41	0	0	0	41	0	0	0	0	41	102
2028	43	0	0	0	43	0	0	0	0	43	118
2029	44	0	0	0	44	0	0	0	0	44	133
2030	45	0	0	0	45	0	0	0	0	45	147
2031	46	0	0	0	46	0	0	0	0	46	160
2032	48	0	0	0	48	0	0	0	0	48	173
2033	52	0	0	0	52	0	0	0	0	52	186
2034	54	0	10	0	64	208	0	0	208	(144)	152
2035	56	0	0	0	56	0	0	0	0	56	165
2036	60	0	0	0	60	0	0	0	0	60	177
2037	62	0	0	0	62	0	0	0	0	62	188
2038	64	0	0	0	64	0	0	0	0	64	200
2039	67	0	0	0	67	0	0	0	0	67	210
2040	69	0	0	0	69	0	0	0	0	69	221
2041	72	0	0	0	72	0	0	0	0	72	231
2042	75	0	0	0	75	0	0	0	0	75	241
2043	79	0	0	0	79	0	0	0	0	79	250
2044	83	0	10	0	93	266	0	0	266	(174)	231
2045	87	0	0	0	87	0	0	0	0	87	240
2046	91	0	0	0	91	0	0	0	0	91	249
2047	95	0	0	0	95	0	0	0	0	95	257
2048	99	0	0	0	99	0	0	0	0	99	266
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,866	0	39	0	1,905	764	0	0	764	1,141	
NPV	532	0	18	0	550	284	0	0	284	266	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.93	

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	1	10	13	0	23	17	0	0	0	17	(7)	(7)
2015	0	0	0	25	0	25	36	2	0	0	39	14	6
2016	0	0	0	25	0	25	58	2	0	0	60	35	37
2017	0	0	0	26	0	26	49	2	0	0	51	25	57
2018	0	0	0	28	0	28	64	2	0	0	66	38	85
2019	0	0	0	31	0	31	102	2	0	0	104	74	136
2020	0	0	0	31	0	31	93	2	0	0	95	64	178
2021	0	0	0	32	0	32	87	2	0	0	89	57	212
2022	0	0	0	33	0	33	82	2	0	2	86	53	242
2023	0	0	0	34	0	34	83	2	0	2	87	54	270
2024	0	1	10	34	0	45	74	2	0	3	78	34	286
2025	0	0	0	35	0	35	91	2	0	3	95	61	313
2026	0	0	0	35	0	35	86	2	0	3	91	56	336
2027	0	0	0	36	0	36	81	2	0	4	86	50	356
2028	0	0	0	37	0	37	92	2	0	4	97	60	378
2029	0	0	0	38	0	38	72	1	0	4	78	40	391
2030	0	0	0	39	0	39	84	1	0	5	90	51	407
2031	0	0	0	40	0	40	86	1	0	5	93	53	422
2032	0	0	0	42	0	42	65	1	0	6	72	30	431
2033	0	0	0	45	0	45	89	1	0	6	96	51	443
2034	0	1	10	47	0	57	68	1	0	7	76	18	448
2035	0	0	0	48	0	48	60	1	0	7	69	21	452
2036	0	0	0	52	0	52	70	1	0	8	79	27	458
2037	0	0	0	53	0	53	72	1	0	8	82	28	463
2038	0	0	0	55	0	55	68	1	0	9	79	23	467
2039	0	0	0	57	0	57	65	1	0	10	76	18	470
2040	0	0	0	59	0	59	64	1	0	11	76	17	473
2041	0	0	0	62	0	62	68	1	0	12	81	20	475
2042	0	0	0	64	0	64	76	1	0	12	90	26	479
2043	0	0	0	68	0	68	73	1	0	13	88	20	481
2044	0	1	10	71	0	82	78	1	0	14	94	12	483
2045	0	0	0	74	0	74	75	1	0	15	91	17	484
2046	0	0	0	77	0	77	68	1	0	16	86	8	485
2047	0	0	0	81	0	81	70	1	0	17	89	8	486
2048	0	0	0	85	0	85	83	1	0	19	103	18	487
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	39	1,613	0	1,655	2,552	52	0	226	2,830	1,175	
NPV	0	1	18	464	0	483	909	21	0	41	970	487	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 2.01

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	65.47	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	86.08514	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	507,148.48	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	***	%

page 2

* INPUT DATA -- PART 1 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	13	0	14	12	6	322	0	0	322
2015	0	0	0	0	23	12	0	0	0	0
2016	0	0	0	0	24	12	0	0	0	0
2017	0	0	0	0	24	13	0	0	0	0
2018	0	0	0	0	27	13	0	0	0	0
2019	0	0	0	0	30	13	0	0	0	0
2020	0	0	0	0	30	14	0	0	0	0
2021	0	0	0	0	31	15	0	0	0	0
2022	0	0	0	0	31	16	0	0	0	0
2023	0	0	0	0	33	15	0	0	0	0
2024	0	13	0	14	34	15	412	0	0	412
2025	0	0	0	0	35	14	0	0	0	0
2026	0	0	0	0	36	14	0	0	0	0
2027	0	0	0	0	37	14	0	0	0	0
2028	0	0	0	0	38	14	0	0	0	0
2029	0	0	0	0	40	14	0	0	0	0
2030	0	0	0	0	41	14	0	0	0	0
2031	0	0	0	0	42	14	0	0	0	0
2032	0	0	0	0	45	15	0	0	0	0
2033	0	0	0	0	49	15	0	0	0	0
2034	0	13	0	14	51	15	527	0	0	527
2035	0	0	0	0	53	15	0	0	0	0
2036	0	0	0	0	58	16	0	0	0	0
2037	0	0	0	0	60	16	0	0	0	0
2038	0	0	0	0	63	16	0	0	0	0
2039	0	0	0	0	66	16	0	0	0	0
2040	0	0	0	0	68	16	0	0	0	0
2041	0	0	0	0	71	16	0	0	0	0
2042	0	0	0	0	75	16	0	0	0	0
2043	0	0	0	0	80	17	0	0	0	0
2044	1	13	0	14	84	17	674	0	0	674
2045	0	0	0	0	88	17	0	0	0	0
2046	0	0	0	0	93	17	0	0	0	0
2047	0	0	0	0	98	17	0	0	0	0
2048	0	0	0	0	103	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
NOM	2	54	0	55	1,771	518	1,934	0	0	1,934
NPV	1	25	0	25	478	179	720	0	0	720

* 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: [redacted] 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	81	2	0	5	3	1	0	3	0	14	14	14	80
2020	78	2	0	5	2	1	0	3	1	14	13	27	82
2021	74	2	0	5	2	1	0	3	1	13	11	38	84
2022	70	1	0	4	2	1	0	3	1	13	10	48	86
2023	67	1	0	4	2	1	0	3	1	12	9	58	88
2024	63	1	0	4	2	1	0	3	1	12	8	66	90
2025	60	1	0	4	2	1	0	3	1	11	7	73	92
2026	57	1	0	4	2	1	0	3	0	11	7	79	95
2027	54	1	0	3	2	1	0	3	0	10	6	85	97
2028	51	1	0	3	2	1	0	3	0	10	5	91	99
2029	48	1	0	3	2	1	0	3	0	10	5	95	102
2030	45	1	0	3	1	1	0	3	0	9	4	99	104
2031	42	1	0	3	1	1	0	3	0	9	4	103	107
2032	39	1	0	2	1	1	0	3	0	8	3	106	110
2033	36	1	0	2	1	1	0	3	0	8	3	109	112
2034	33	1	0	2	1	1	0	3	0	7	3	112	115
2035	30	1	0	2	1	1	0	3	0	7	2	114	118
2036	27	1	0	2	1	1	0	3	0	7	2	116	121
2037	24	0	0	1	1	1	0	3	0	6	2	117	124
2038	21	0	0	1	1	0	0	3	0	6	1	119	127
2039	18	0	0	1	1	0	0	3	(0)	5	1	120	130
2040	15	0	0	1	2	0	0	3	(1)	5	1	121	134
2041	13	0	0	1	2	0	0	3	(1)	5	1	122	137
2042	12	0	0	1	2	0	0	3	(1)	5	1	123	140
2043	10	0	0	1	1	0	0	3	(1)	4	1	124	144
2044	8	0	0	1	1	0	0	3	(1)	4	1	124	148
2045	7	0	0	0	1	0	0	3	(1)	4	1	125	151
2046	5	0	0	0	1	0	0	3	(1)	4	0	125	155
2047	3	0	0	0	1	0	0	3	(1)	3	0	126	159
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	126	163

IN SERVICE COST	($000)	80
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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	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%	4	23	3	13	3	13	1	4	0	0	0	1	3
2024	5.29%	4	27	3	16	3	15	1	4	0	0	0	1	4
2025	4.89%	4	31	3	19	3	18	1	4	0	0	0	1	4
2026	4.52%	4	35	3	21	3	20	0	4	0	0	0	0	4
2027	4.46%	3	38	3	24	3	23	0	4	0	0	0	0	5
2028	4.46%	3	42	3	27	3	25	0	4	0	0	0	0	5
2029	4.46%	3	45	3	29	3	28	0	4	0	0	0	0	6
2030	4.46%	3	49	3	32	3	30	0	4	0	0	0	0	6
2031	4.46%	3	52	3	34	3	33	0	4	0	0	0	0	6
2032	4.46%	3	56	3	37	3	35	0	4	0	0	0	0	7
2033	4.46%	3	59	3	40	3	38	0	4	0	0	0	0	7
2034	4.46%	3	63	3	42	3	40	0	4	0	0	0	0	8
2035	4.46%	3	66	3	45	3	43	0	4	0	0	0	0	8
2036	4.46%	3	70	3	48	3	45	0	4	0	0	0	0	8
2037	4.46%	3	73	3	50	3	48	0	4	0	0	0	0	9
2038	4.46%	3	77	3	53	3	50	0	4	0	0	0	0	9
2039	2.23%	2	78	3	56	3	53	(0)	4	0	0	0	(0)	9
2040	0.00%	0	78	3	58	3	55	(1)	4	0	0	0	(1)	8
2041	0.00%	0	78	3	61	3	58	(1)	4	0	0	0	(1)	7
2042	0.00%	0	78	3	64	3	60	(1)	4	0	0	0	(1)	6
2043	0.00%	0	78	3	66	3	63	(1)	4	0	0	0	(1)	5
2044	0.00%	0	78	3	69	3	65	(1)	4	0	0	0	(1)	4
2045	0.00%	0	78	3	72	3	68	(1)	4	0	0	0	(1)	3
2046	0.00%	0	78	3	74	3	70	(1)	4	0	0	0	(1)	2
2047	0.00%	0	78	3	77	3	73	(1)	4	0	0	0	(1)	1
2048	0.00%	0	78	3	80	3	75	(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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	3	0	77	3	(1)	81	78	79
2020	7.22%	6	1	74	5	0	78	74	76
2021	6.68%	5	1	72	8	1	74	70	72
2022	6.18%	5	1	69	11	2	70	67	69
2023	5.71%	4	1	66	13	3	67	63	65
2024	5.29%	4	1	64	16	4	63	60	62
2025	4.89%	4	1	61	19	4	60	57	59
2026	4.52%	4	0	58	21	4	57	54	55
2027	4.46%	3	0	56	24	5	54	51	52
2028	4.46%	3	0	53	27	5	51	48	49
2029	4.46%	3	0	50	29	6	48	45	46
2030	4.46%	3	0	48	32	6	45	42	43
2031	4.46%	3	0	45	34	6	42	39	40
2032	4.46%	3	0	42	37	7	39	36	37
2033	4.46%	3	0	40	40	7	36	33	34
2034	4.46%	3	0	37	42	8	33	30	31
2035	4.46%	3	0	34	45	8	30	27	28
2036	4.46%	3	0	32	48	8	27	24	25
2037	4.46%	3	0	29	50	9	24	21	22
2038	4.46%	3	0	27	53	9	21	18	19
2039	2.23%	2	(0)	24	56	9	18	15	16
2040	0.00%	0	(1)	21	58	8	15	13	14
2041	0.00%	0	(1)	19	61	7	13	12	13
2042	0.00%	0	(1)	16	64	6	12	10	11
2043	0.00%	0	(1)	13	66	5	10	8	9
2044	0.00%	0	(1)	11	69	4	8	7	8
2045	0.00%	0	(1)	8	72	3	7	5	6
2046	0.00%	0	(1)	5	74	2	5	3	4
2047	0.00%	0	(1)	3	77	1	3	2	3
2048	0.00%	0	(1)	(0)	80	0	2	0	1

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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	7.07	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

*** 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	14	6	0	16	21	15
2020	14	6	1	29	36	13
2021	13	6	1	29	37	12
2022	13	6	1	30	36	13
2023	12	6	1	32	37	14
2024	12	6	1	34	39	13
2025	11	7	1	35	40	13
2026	11	7	1	34	39	14
2027	10	7	1	35	40	13
2028	10	7	1	37	41	14
2029	10	7	1	39	43	13
2030	9	7	1	39	43	14
2031	9	8	1	41	45	13
2032	8	8	1	43	46	14
2033	8	8	1	45	48	13
2034	7	8	1	46	50	13
2035	7	8	1	48	51	13
2036	7	9	1	50	52	13
2037	6	9	1	52	54	13
2038	6	9	1	54	56	13
2039	5	9	1	56	57	14
2040	5	10	1	58	60	13
2041	5	10	1	60	62	13
2042	5	10	1	62	64	14
2043	4	10	1	64	66	13
2044	4	11	1	67	69	13
2045	4	11	1	70	72	14
2046	4	11	1	72	74	14
2047	3	11	1	74	76	14
2048	3	12	1	78	79	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
NOM	239	250	22	1,429	1,535	404
NPV	88	64	6	343	382	118

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	20	0
2015	2	0	3	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	77	0
2019	2	0	2	0	0	0	109	0
2020	2	0	2	0	0	0	100	0
2021	2	0	2	0	0	0	93	0
2022	2	0	2	0	0	0	87	0
2023	2	0	2	0	0	0	87	0
2024	2	0	2	0	0	0	77	0
2025	1	0	2	0	0	0	97	0
2026	1	0	2	0	0	0	91	0
2027	1	0	2	0	0	0	85	0
2028	1	0	2	0	0	0	97	0
2029	1	0	2	0	0	0	74	0
2030	1	0	2	0	0	0	88	0
2031	1	0	2	0	0	0	92	0
2032	1	0	2	0	0	0	66	0
2033	1	0	2	0	0	0	94	0
2034	1	0	2	0	0	0	69	0
2035	1	1	1	0	0	0	60	0
2036	1	1	1	0	0	0	71	0
2037	1	1	1	0	0	0	74	0
2038	1	1	1	0	0	0	70	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	70	0
2042	1	1	1	0	0	0	79	0
2043	1	1	1	0	0	0	76	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	69	0
2047	1	1	1	0	0	0	71	0
2048	1	1	1	0	0	0	87	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	41	16	58	5	8	13	2,687	0
NPV	19	5	24	2	3	5	979	0

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

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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	4	3	0	2
2023	4	5	4	0	3
2024	5	6	4	0	3
2025	5	7	5	0	3
2026	5	7	5	0	4
2027	6	7	6	0	4
2028	6	8	6	0	4
2029	7	9	7	0	5
2030	8	10	8	0	5
2031	8	11	8	0	6
2032	9	12	9	0	6
2033	10	13	10	0	7
2034	11	15	11	0	7
2035	12	16	12	0	8
2036	13	17	13	0	9
2037	14	19	14	0	10
2038	15	20	15	0	10
2039	17	22	16	0	11
2040	18	23	18	0	12
2041	19	25	19	0	13
2042	21	27	20	0	14
2043	22	29	22	0	15
2044	24	31	24	0	16
2045	26	34	25	0	17
2046	27	36	27	0	18
2047	29	38	29	0	20
2048	31	41	31	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
NOM	376	493	370	0	254
NPV	67	88	67	0	46

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	322	0	322	0	0	20	0	20	(302)	(302)
2015	0	0	0	0	0	0	3	43	1	46	46	(259)
2016	0	0	0	0	0	0	3	69	0	72	72	(196)
2017	0	0	0	0	0	0	3	58	0	61	61	(147)
2018	0	0	0	0	0	0	3	77	0	79	79	(88)
2019	0	0	0	0	0	15	3	109	0	127	127	0
2020	0	0	0	0	0	13	3	100	0	115	115	75
2021	0	0	0	0	0	12	3	93	0	108	108	140
2022	0	0	0	0	0	13	2	87	2	104	104	198
2023	0	0	0	0	0	14	2	87	3	106	106	254
2024	0	0	412	0	412	13	2	77	3	95	(317)	100
2025	0	0	0	0	0	13	2	97	3	115	115	152
2026	0	0	0	0	0	14	2	91	4	110	110	198
2027	0	0	0	0	0	13	2	85	4	104	104	239
2028	0	0	0	0	0	14	2	97	4	117	117	281
2029	0	0	0	0	0	13	2	74	5	95	95	313
2030	0	0	0	0	0	14	2	88	5	109	109	347
2031	0	0	0	0	0	13	2	92	6	112	112	380
2032	0	0	0	0	0	14	2	66	6	88	88	404
2033	0	0	0	0	0	13	2	94	7	116	116	433
2034	0	0	527	0	527	13	2	69	7	92	(436)	331
2035	0	0	0	0	0	13	2	60	8	84	84	349
2036	0	0	0	0	0	13	2	71	9	95	95	368
2037	0	0	0	0	0	13	2	74	10	99	99	387
2038	0	0	0	0	0	13	2	70	10	95	95	404
2039	0	0	0	0	0	14	2	65	11	92	92	418
2040	0	0	0	0	0	13	2	65	12	92	92	432
2041	0	0	0	0	0	13	2	70	13	98	98	446
2042	0	0	0	0	0	14	2	79	14	108	108	460
2043	0	0	0	0	0	13	2	76	15	106	106	473
2044	0	1	674	0	675	13	2	81	16	112	(562)	410
2045	0	0	0	0	0	14	2	77	17	110	110	421
2046	0	0	0	0	0	14	2	69	18	103	103	431
2047	0	0	0	0	0	14	2	71	20	106	106	441
2048	0	0	0	0	0	14	2	87	21	123	123	451
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	1,934	0	1,936	404	71	2,687	254	3,416	1,480	
NPV	0	1	720	0	721	118	29	979	46	1,172	451	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.63

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	21	0	13	0	35	322	0	0	322	(287)	(287)
2015	40	0	0	0	40	0	0	0	0	40	(250)
2016	40	0	0	0	40	0	0	0	0	40	(215)
2017	42	0	0	0	42	0	0	0	0	42	(182)
2018	46	0	0	0	46	0	0	0	0	46	(147)
2019	50	0	0	0	50	0	0	0	0	50	(113)
2020	51	0	0	0	51	0	0	0	0	51	(80)
2021	52	0	0	0	52	0	0	0	0	52	(49)
2022	53	0	0	0	53	0	0	0	0	53	(20)
2023	54	0	0	0	54	0	0	0	0	54	9
2024	55	0	13	0	69	412	0	0	412	(343)	(157)
2025	56	0	0	0	56	0	0	0	0	56	(132)
2026	57	0	0	0	57	0	0	0	0	57	(108)
2027	59	0	0	0	59	0	0	0	0	59	(85)
2028	60	0	0	0	60	0	0	0	0	60	(63)
2029	62	0	0	0	62	0	0	0	0	62	(42)
2030	64	0	0	0	64	0	0	0	0	64	(23)
2031	65	0	0	0	65	0	0	0	0	65	(4)
2032	69	0	0	0	69	0	0	0	0	69	15
2033	74	0	0	0	74	0	0	0	0	74	34
2034	77	0	13	0	90	527	0	0	527	(436)	(68)
2035	79	0	0	0	79	0	0	0	0	79	(51)
2036	85	0	0	0	85	0	0	0	0	85	(34)
2037	88	0	0	0	88	0	0	0	0	88	(17)
2038	92	0	0	0	92	0	0	0	0	92	(1)
2039	95	0	0	0	95	0	0	0	0	95	14
2040	98	0	0	0	98	0	0	0	0	98	29
2041	102	0	0	0	102	0	0	0	0	102	43
2042	106	0	0	0	106	0	0	0	0	106	57
2043	113	0	0	0	113	0	0	0	0	113	71
2044	118	0	13	0	131	674	0	0	674	(543)	9
2045	123	0	0	0	123	0	0	0	0	123	22
2046	129	0	0	0	129	0	0	0	0	129	35
2047	135	0	0	0	135	0	0	0	0	135	47
2048	142	0	0	0	142	0	0	0	0	142	59
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	2,652	0	54	0	2,706	1,934	0	0	1,934	772	
NPV	755	0	25	0	779	720	0	0	720	59	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.08

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	13	19	0	32	20	0	0	0	20	(12)	(12)
2015	0	0	0	35	0	35	43	3	0	1	46	12	(2)
2016	0	0	0	36	0	36	69	3	0	0	72	37	30
2017	0	0	0	37	0	37	58	3	0	0	61	24	50
2018	0	0	0	40	0	40	77	3	0	0	79	39	79
2019	0	0	0	43	0	43	124	3	0	0	127	83	137
2020	0	0	0	44	0	44	113	3	0	0	115	71	183
2021	0	0	0	45	0	45	106	3	0	0	108	63	221
2022	0	0	0	47	0	47	100	2	0	2	104	57	253
2023	0	0	0	47	0	47	101	2	0	3	106	58	283
2024	0	0	13	48	0	62	90	2	0	3	95	33	299
2025	0	0	0	49	0	49	110	2	0	3	115	66	329
2026	0	0	0	50	0	50	104	2	0	4	110	60	354
2027	0	0	0	51	0	51	98	2	0	4	104	53	375
2028	0	0	0	52	0	52	111	2	0	4	117	65	398
2029	0	0	0	54	0	54	88	2	0	5	95	41	412
2030	0	0	0	55	0	55	102	2	0	5	109	54	429
2031	0	0	0	57	0	57	105	2	0	6	112	56	445
2032	0	0	0	59	0	59	80	2	0	6	88	28	453
2033	0	0	0	64	0	64	107	2	0	7	116	52	466
2034	0	0	13	66	0	80	82	2	0	7	92	11	468
2035	0	0	0	69	0	69	74	2	0	8	84	15	472
2036	0	0	0	73	0	73	85	2	0	9	95	22	476
2037	0	0	0	76	0	76	87	2	0	10	99	23	480
2038	0	0	0	79	0	79	83	2	0	10	95	16	483
2039	0	0	0	82	0	82	79	2	0	11	92	10	485
2040	0	0	0	84	0	84	78	2	0	12	92	8	486
2041	0	0	0	88	0	88	83	2	0	13	98	10	488
2042	0	0	0	91	0	91	93	2	0	14	108	17	490
2043	0	0	0	96	0	96	89	2	0	15	106	9	491
2044	0	1	13	101	0	115	95	2	0	16	112	(2)	491
2045	0	0	0	105	0	105	91	2	0	17	110	4	491
2046	0	0	0	110	0	110	83	2	0	18	103	(7)	490
2047	0	0	0	115	0	115	85	2	0	20	106	(9)	490
2048	0	0	0	121	0	121	101	2	0	21	123	3	490
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	54	2,289	0	2,345	3,092	71	0	254	3,416	1,072	
NPV	0	1	25	657	0	682	1.097	29	0	46	1.172	490	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.72

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	25.36	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	33.34029	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	301,310.37	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	***	%

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* INPUT DATA -- PART 1 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	5	0	5	7	2	132	0	0	132
2015	0	0	0	0	13	4	0	0	0	0
2016	0	0	0	0	13	4	0	0	0	0
2017	0	0	0	0	14	4	0	0	0	0
2018	0	0	0	0	15	4	0	0	0	0
2019	0	0	0	0	17	4	0	0	0	0
2020	0	0	0	0	17	5	0	0	0	0
2021	0	0	0	0	17	5	0	0	0	0
2022	0	0	0	0	17	5	0	0	0	0
2023	0	0	0	0	19	5	0	0	0	0
2024	0	0	0	0	19	5	0	0	0	0
2025	0	0	0	0	20	4	0	0	0	0
2026	0	0	0	0	20	4	0	0	0	0
2027	0	0	0	0	21	4	0	0	0	0
2028	0	0	0	0	21	4	0	0	0	0
2029	0	5	0	6	22	4	192	0	0	192
2030	0	0	0	0	23	4	0	0	0	0
2031	0	0	0	0	23	4	0	0	0	0
2032	0	0	0	0	25	4	0	0	0	0
2033	0	0	0	0	27	5	0	0	0	0
2034	0	0	0	0	28	5	0	0	0	0
2035	0	0	0	0	29	5	0	0	0	0
2036	0	0	0	0	31	5	0	0	0	0
2037	0	0	0	0	33	5	0	0	0	0
2038	0	0	0	0	34	5	0	0	0	0
2039	0	0	0	0	36	5	0	0	0	0
2040	0	0	0	0	37	5	0	0	0	0
2041	0	0	0	0	38	5	0	0	0	0
2042	0	0	0	0	40	5	0	0	0	0
2043	0	0	0	0	43	5	0	0	0	0
2044	1	5	0	6	45	5	278	0	0	278
2045	0	0	0	0	47	5	0	0	0	0
2046	0	0	0	0	50	5	0	0	0	0
2047	0	0	0	0	52	5	0	0	0	0
2048	0	0	0	0	55	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
NOM	1	16	0	17	968	159	602	0	0	602
NPV	0	8	0	8	265	56	228	0	0	228

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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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	31	1	0	2	1	1	0	1	0	5	5	5	31
2020	30	1	0	2	1	1	0	1	0	5	5	10	32
2021	29	1	0	2	1	1	0	1	0	5	4	15	32
2022	27	1	0	2	1	0	0	1	0	5	4	19	33
2023	26	1	0	2	1	0	0	1	0	5	4	22	34
2024	25	1	0	2	1	0	0	1	0	5	3	25	35
2025	23	0	0	1	1	0	0	1	0	4	3	28	36
2026	22	0	0	1	1	0	0	1	0	4	3	31	37
2027	21	0	0	1	1	0	0	1	0	4	2	33	38
2028	20	0	0	1	1	0	0	1	0	4	2	35	39
2029	19	0	0	1	1	0	0	1	0	4	2	37	39
2030	17	0	0	1	1	0	0	1	0	4	2	38	40
2031	16	0	0	1	1	0	0	1	0	3	1	40	41
2032	15	0	0	1	0	0	0	1	0	3	1	41	43
2033	14	0	0	1	0	0	0	1	0	3	1	42	44
2034	13	0	0	1	0	0	0	1	0	3	1	43	45
2035	11	0	0	1	0	0	0	1	0	3	1	44	46
2036	10	0	0	1	0	0	0	1	0	3	1	45	47
2037	9	0	0	1	0	0	0	1	0	2	1	45	48
2038	8	0	0	0	0	0	0	1	0	2	1	46	49
2039	7	0	0	0	0	0	0	1	(0)	2	0	47	51
2040	6	0	0	0	1	0	0	1	(0)	2	0	47	52
2041	5	0	0	0	1	0	0	1	(0)	2	0	47	53
2042	5	0	0	0	1	0	0	1	(0)	2	0	48	54
2043	4	0	0	0	1	0	0	1	(0)	2	0	48	56
2044	3	0	0	0	1	0	0	1	(0)	2	0	48	57
2045	3	0	0	0	1	0	0	1	(0)	1	0	48	59
2046	2	0	0	0	0	0	0	1	(0)	1	0	49	60
2047	1	0	0	0	0	0	0	1	(0)	1	0	49	62
2048	1	0	0	0	0	0	0	1	(0)	1	0	49	63

IN SERVICE COST	($000)	31
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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%	2	3	1	2	1	2	0	2	0	0	0	0	0
2021	6.68%	2	5	1	3	1	3	0	2	0	0	0	0	1
2022	6.18%	2	7	1	4	1	4	0	2	0	0	0	0	1
2023	5.71%	2	9	1	5	1	5	0	2	0	0	0	0	1
2024	5.29%	2	11	1	6	1	6	0	2	0	0	0	0	1
2025	4.89%	1	12	1	7	1	7	0	2	0	0	0	0	2
2026	4.52%	1	13	1	8	1	8	0	2	0	0	0	0	2
2027	4.46%	1	15	1	9	1	9	0	2	0	0	0	0	2
2028	4.46%	1	16	1	10	1	10	0	2	0	0	0	0	2
2029	4.46%	1	17	1	11	1	11	0	2	0	0	0	0	2
2030	4.46%	1	19	1	12	1	12	0	2	0	0	0	0	2
2031	4.46%	1	20	1	13	1	13	0	2	0	0	0	0	2
2032	4.46%	1	22	1	14	1	14	0	2	0	0	0	0	3
2033	4.46%	1	23	1	15	1	15	0	2	0	0	0	0	3
2034	4.46%	1	24	1	16	1	16	0	2	0	0	0	0	3
2035	4.46%	1	26	1	17	1	17	0	2	0	0	0	0	3
2036	4.46%	1	27	1	18	1	18	0	2	0	0	0	0	3
2037	4.46%	1	28	1	20	1	19	0	2	0	0	0	0	3
2038	4.46%	1	30	1	21	1	19	0	2	0	0	0	0	3
2039	2.23%	1	30	1	22	1	20	(0)	2	0	0	0	(0)	3
2040	0.00%	0	30	1	23	1	21	(0)	2	0	0	0	(0)	3
2041	0.00%	0	30	1	24	1	22	(0)	2	0	0	0	(0)	3
2042	0.00%	0	30	1	25	1	23	(0)	2	0	0	0	(0)	2
2043	0.00%	0	30	1	26	1	24	(0)	2	0	0	0	(0)	2
2044	0.00%	0	30	1	27	1	25	(0)	2	0	0	0	(0)	2
2045	0.00%	0	30	1	28	1	26	(0)	2	0	0	0	(0)	1
2046	0.00%	0	30	1	29	1	27	(0)	2	0	0	0	(0)	1
2047	0.00%	0	30	1	30	1	28	(0)	2	0	0	0	(0)	0
2048	0.00%	0	30	1	31	1	29	(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)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	1	0	30	1	(0)	31	30	31
2020	7.22%	2	0	29	2	0	30	29	29
2021	6.68%	2	0	28	3	1	29	27	28
2022	6.18%	2	0	27	4	1	27	26	27
2023	5.71%	2	0	26	5	1	26	25	25
2024	5.29%	2	0	25	6	1	25	23	24
2025	4.89%	1	0	24	7	2	23	22	23
2026	4.52%	1	0	23	8	2	22	21	21
2027	4.46%	1	0	22	9	2	21	20	20
2028	4.46%	1	0	21	10	2	20	19	19
2029	4.46%	1	0	20	11	2	19	17	18
2030	4.46%	1	0	18	12	2	17	16	17
2031	4.46%	1	0	17	13	2	16	15	16
2032	4.46%	1	0	16	14	3	15	14	14
2033	4.46%	1	0	15	15	3	14	13	13
2034	4.46%	1	0	14	16	3	13	11	12
2035	4.46%	1	0	13	17	3	11	10	11
2036	4.46%	1	0	12	18	3	10	9	10
2037	4.46%	1	0	11	20	3	9	8	9
2038	4.46%	1	0	10	21	3	8	7	7
2039	2.23%	1	(0)	9	22	3	7	6	6
2040	0.00%	0	(0)	8	23	3	6	5	6
2041	0.00%	0	(0)	7	24	3	5	5	5
2042	0.00%	0	(0)	6	25	2	5	4	4
2043	0.00%	0	(0)	5	26	2	4	3	4
2044	0.00%	0	(0)	4	27	2	3	3	3
2045	0.00%	0	(0)	3	28	1	3	2	2
2046	0.00%	0	(0)	2	29	1	2	1	2
2047	0.00%	0	(0)	1	30	0	1	1	1
2048	0.00%	0	(0)	0	31	0	1	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	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	0.00	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	5	2	0	6	8	6
2020	5	2	0	11	14	5
2021	5	2	0	11	14	5
2022	5	2	0	12	14	5
2023	5	2	0	12	14	5
2024	5	2	0	13	15	5
2025	4	3	0	13	15	5
2026	4	3	0	13	15	5
2027	4	3	0	14	16	5
2028	4	3	0	14	16	5
2029	4	3	0	15	17	5
2030	4	3	0	15	17	5
2031	3	3	0	16	17	5
2032	3	3	0	16	18	5
2033	3	3	0	17	19	5
2034	3	3	0	18	19	5
2035	3	3	0	19	20	5
2036	3	3	0	19	20	5
2037	2	3	0	20	21	5
2038	2	4	0	21	22	5
2039	2	4	0	22	22	5
2040	2	4	0	22	23	5
2041	2	4	0	23	24	5
2042	2	4	0	24	25	5
2043	2	4	0	25	26	5
2044	2	4	0	26	27	5
2045	1	4	0	27	28	5
2046	1	4	0	28	29	5
2047	1	4	0	29	30	5
2048	1	5	0	30	31	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
NOM	93	97	8	553	594	157
NPV	34	25	2	133	148	46

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	11	0
2015	1	0	1	0	0	0	23	0
2016	1	0	1	0	0	0	40	0
2017	1	0	1	0	0	0	31	0
2018	1	0	1	0	0	0	45	0
2019	1	0	1	0	0	0	51	0
2020	1	0	1	0	0	0	48	0
2021	1	0	1	0	0	0	47	0
2022	1	0	1	0	0	0	47	0
2023	1	0	1	0	0	0	42	0
2024	1	0	1	0	0	0	41	0
2025	1	0	1	0	0	0	44	0
2026	1	0	1	0	0	0	36	0
2027	1	0	1	0	0	0	44	0
2028	0	0	1	0	0	0	37	0
2029	0	0	1	0	0	0	36	0
2030	0	0	1	0	0	0	35	0
2031	0	0	1	0	0	0	37	0
2032	0	0	1	0	0	0	30	0
2033	0	0	1	0	0	0	38	0
2034	0	0	1	0	0	0	31	0
2035	0	0	1	0	0	0	30	0
2036	0	0	1	0	0	0	33	0
2037	0	0	1	0	0	0	34	0
2038	0	0	1	0	0	0	34	0
2039	0	0	1	0	0	0	33	0
2040	0	0	1	0	0	0	34	0
2041	0	0	1	0	0	0	36	0
2042	0	0	1	0	0	0	39	0
2043	0	0	1	0	0	0	38	0
2044	0	0	1	0	0	0	41	0
2045	0	0	1	0	0	0	40	0
2046	0	0	1	0	0	0	39	0
2047	0	0	0	0	0	0	41	0
2048	0	0	0	0	0	0	45	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	16	6	22	2	3	5	1,311	0
NPV	7	2	9	1	1	2	483	0

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

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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	1	1	2	0	1
2023	2	2	2	0	2
2024	2	2	3	0	2
2025	2	3	3	0	2
2026	2	3	3	0	2
2027	2	3	3	0	3
2028	2	3	4	0	3
2029	3	3	4	0	3
2030	3	4	4	0	4
2031	3	4	5	0	4
2032	4	5	5	0	4
2033	4	5	6	0	5
2034	4	6	6	0	5
2035	5	6	7	0	6
2036	5	7	8	0	6
2037	5	7	8	0	7
2038	6	8	9	0	7
2039	6	8	10	0	8
2040	7	9	10	0	8
2041	7	10	11	0	9
2042	8	11	12	0	10
2043	9	11	13	0	10
2044	9	12	14	0	11
2045	10	13	15	0	12
2046	11	14	16	0	13
2047	11	15	17	0	14
2048	12	16	18	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
NOM	146	191	219	0	174
NPV	26	34	39	0	31

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	132	0	133	0	0	11	0	11	(121)	(121)
2015	0	0	0	0	0	0	1	23	0	24	24	(99)
2016	0	0	0	0	0	0	1	40	0	41	41	(63)
2017	0	0	0	0	0	0	1	31	0	32	32	(37)
2018	0	0	0	0	0	0	1	45	0	46	46	(3)
2019	0	0	0	0	0	6	1	51	0	57	57	37
2020	0	0	0	0	0	5	1	48	0	54	54	72
2021	0	0	0	0	0	5	1	47	0	53	53	104
2022	0	0	0	0	0	5	1	47	1	55	55	135
2023	0	0	0	0	0	5	1	42	2	50	50	161
2024	0	0	0	0	0	5	1	41	2	49	49	184
2025	0	0	0	0	0	5	1	44	2	52	52	208
2026	0	0	0	0	0	5	1	36	2	44	44	226
2027	0	0	0	0	0	5	1	44	3	52	52	246
2028	0	0	0	0	0	5	1	37	3	46	46	263
2029	0	0	192	0	192	5	1	36	3	45	(147)	214
2030	0	0	0	0	0	5	1	35	4	44	44	228
2031	0	0	0	0	0	5	1	37	4	47	47	241
2032	0	0	0	0	0	5	1	30	4	41	41	252
2033	0	0	0	0	0	5	1	38	5	48	48	264
2034	0	0	0	0	0	5	1	31	5	42	42	274
2035	0	0	0	0	0	5	1	30	6	41	41	283
2036	0	0	0	0	0	5	1	33	6	45	45	292
2037	0	0	0	0	0	5	1	34	7	47	47	301
2038	0	0	0	0	0	5	1	34	7	47	47	309
2039	0	0	0	0	0	5	1	33	8	47	47	317
2040	0	0	0	0	0	5	1	34	8	48	48	324
2041	0	0	0	0	0	5	1	36	9	50	50	331
2042	0	0	0	0	0	5	1	39	10	54	54	338
2043	0	0	0	0	0	5	1	38	10	55	55	345
2044	0	1	278	0	278	5	1	41	11	57	(221)	320
2045	0	0	0	0	0	5	1	40	12	58	58	326
2046	0	0	0	0	0	5	1	39	13	58	58	332
2047	0	0	0	0	0	5	1	41	14	61	61	337
2048	0	0	0	0	0	5	1	45	14	66	66	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	
NOM	0	1	602	0	603	157	27	1,311	174	1,670	1,067	
NPV	0	0	228	0	229	46	11	483	31	572	343	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.50

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	10	0	5	0	16	132	0	0	132	(117)	(117)
2015	19	0	0	0	19	0	0	0	0	19	(99)
2016	20	0	0	0	20	0	0	0	0	20	(81)
2017	21	0	0	0	21	0	0	0	0	21	(65)
2018	23	0	0	0	23	0	0	0	0	23	(48)
2019	24	0	0	0	24	0	0	0	0	24	(31)
2020	25	0	0	0	25	0	0	0	0	25	(15)
2021	25	0	0	0	25	0	0	0	0	25	0
2022	26	0	0	0	26	0	0	0	0	26	15
2023	27	0	0	0	27	0	0	0	0	27	29
2024	28	0	0	0	28	0	0	0	0	28	42
2025	28	0	0	0	28	0	0	0	0	28	55
2026	29	0	0	0	29	0	0	0	0	29	67
2027	29	0	0	0	29	0	0	0	0	29	78
2028	30	0	0	0	30	0	0	0	0	30	89
2029	31	0	5	0	36	192	0	0	192	(156)	37
2030	32	0	0	0	32	0	0	0	0	32	47
2031	33	0	0	0	33	0	0	0	0	33	56
2032	34	0	0	0	34	0	0	0	0	34	65
2033	37	0	0	0	37	0	0	0	0	37	75
2034	38	0	0	0	38	0	0	0	0	38	84
2035	40	0	0	0	40	0	0	0	0	40	92
2036	43	0	0	0	43	0	0	0	0	43	101
2037	44	0	0	0	44	0	0	0	0	44	109
2038	46	0	0	0	46	0	0	0	0	46	117
2039	48	0	0	0	48	0	0	0	0	48	125
2040	49	0	0	0	49	0	0	0	0	49	133
2041	51	0	0	0	51	0	0	0	0	51	140
2042	53	0	0	0	53	0	0	0	0	53	147
2043	57	0	0	0	57	0	0	0	0	57	154
2044	59	0	5	0	64	278	0	0	278	(213)	130
2045	62	0	0	0	62	0	0	0	0	62	136
2046	65	0	0	0	65	0	0	0	0	65	142
2047	68	0	0	0	68	0	0	0	0	68	149
2048	71	0	0	0	71	0	0	0	0	71	155
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,325	0	16	0	1,341	602	0	0	602	739	
NPV	375	0	8	0	383	228	0	0	228	155	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.68	

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	5	9	0	14	11	0	0	0	11	(3)	(3)
2015	0	0	0	17	0	17	23	1	0	0	24	7	4
2016	0	0	0	17	0	17	40	1	0	0	41	24	24
2017	0	0	0	18	0	18	31	1	0	0	32	14	36
2018	0	0	0	19	0	19	45	1	0	0	46	27	56
2019	0	0	0	21	0	21	56	1	0	0	57	36	82
2020	0	0	0	21	0	21	53	1	0	0	54	33	103
2021	0	0	0	22	0	22	52	1	0	0	53	31	121
2022	0	0	0	22	0	22	52	1	0	1	55	32	139
2023	0	0	0	23	0	23	48	1	0	2	50	27	153
2024	0	0	0	24	0	24	46	1	0	2	49	25	165
2025	0	0	0	24	0	24	49	1	0	2	52	28	178
2026	0	0	0	24	0	24	41	1	0	2	44	20	186
2027	0	0	0	25	0	25	49	1	0	3	52	27	197
2028	0	0	0	26	0	26	42	1	0	3	46	20	204
2029	0	0	5	26	0	32	41	1	0	3	45	13	209
2030	0	0	0	27	0	27	40	1	0	4	44	17	214
2031	0	0	0	28	0	28	42	1	0	4	47	19	220
2032	0	0	0	29	0	29	36	1	0	4	41	11	223
2033	0	0	0	31	0	31	43	1	0	5	48	17	227
2034	0	0	0	33	0	33	37	1	0	5	42	10	229
2035	0	0	0	34	0	34	35	1	0	6	41	8	231
2036	0	0	0	36	0	36	38	1	0	6	45	9	233
2037	0	0	0	37	0	37	40	1	0	7	47	9	234
2038	0	0	0	39	0	39	39	1	0	7	47	8	236
2039	0	0	0	40	0	40	38	1	0	8	47	6	237
2040	0	0	0	42	0	42	39	1	0	8	48	6	238
2041	0	0	0	43	0	43	41	1	0	9	50	7	239
2042	0	0	0	45	0	45	44	1	0	10	54	9	240
2043	0	0	0	48	0	48	44	1	0	10	55	7	241
2044	0	1	5	50	0	56	46	1	0	11	57	2	241
2045	0	0	0	52	0	52	46	1	0	12	58	6	242
2046	0	0	0	55	0	55	45	1	0	13	58	3	242
2047	0	0	0	57	0	57	47	1	0	14	61	3	242
2048	0	0	0	60	0	60	51	1	0	14	66	6	243
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	16	1,127	0	1,144	1,468	27	0	174	1,670	526	
NPV	0	0	8	321	0	329	529	11	0	31	572	243	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.74

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	44.18	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	58.09797	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	410,679.93	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	***	%

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* INPUT DATA -- PART 1 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	9	0	9	19	0	181	0	0	181
2015	0	0	0	0	36	0	0	0	0	0
2016	0	0	0	0	37	0	0	0	0	0
2017	0	0	0	0	38	0	0	0	0	0
2018	0	0	0	0	40	0	0	0	0	0
2019	0	0	0	0	43	0	0	0	0	0
2020	0	0	0	0	44	0	0	0	0	0
2021	0	0	0	0	45	0	0	0	0	0
2022	0	0	0	0	47	0	0	0	0	0
2023	0	0	0	0	48	0	0	0	0	0
2024	0	9	0	9	49	0	232	0	0	232
2025	0	0	0	0	49	0	0	0	0	0
2026	0	0	0	0	50	0	0	0	0	0
2027	0	0	0	0	51	0	0	0	0	0
2028	0	0	0	0	52	0	0	0	0	0
2029	0	0	0	0	53	0	0	0	0	0
2030	0	0	0	0	54	0	0	0	0	0
2031	0	0	0	0	55	0	0	0	0	0
2032	0	0	0	0	57	0	0	0	0	0
2033	0	0	0	0	60	0	0	0	0	0
2034	0	9	0	10	62	0	296	0	0	296
2035	0	0	0	0	64	0	0	0	0	0
2036	0	0	0	0	67	0	0	0	0	0
2037	0	0	0	0	69	0	0	0	0	0
2038	0	0	0	0	72	0	0	0	0	0
2039	0	0	0	0	74	0	0	0	0	0
2040	0	0	0	0	76	0	0	0	0	0
2041	0	0	0	0	78	0	0	0	0	0
2042	0	0	0	0	81	0	0	0	0	0
2043	0	0	0	0	84	0	0	0	0	0
2044	1	9	0	10	88	0	379	0	0	379
2045	0	0	0	0	91	0	0	0	0	0
2046	0	0	0	0	94	0	0	0	0	0
2047	0	0	0	0	98	0	0	0	0	0
2048	0	0	0	0	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
NOM	2	36	0	38	2,126	0	1,088	0	0	1,088
NPV	1	17	0	17	637	0	405	0	0	405

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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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	54	1	0	3	2	1	0	2	0	10	10	10	54
2020	53	1	0	3	1	1	0	2	1	9	9	18	55
2021	50	1	0	3	1	1	0	2	1	9	8	26	56
2022	47	1	0	3	1	1	0	2	1	9	7	33	58
2023	45	1	0	3	1	1	0	2	1	8	6	39	59
2024	43	1	0	3	1	1	0	2	0	8	6	44	61
2025	41	1	0	3	1	1	0	2	0	8	5	49	62
2026	38	1	0	2	1	1	0	2	0	7	4	54	64
2027	36	1	0	2	1	1	0	2	0	7	4	58	65
2028	34	1	0	2	1	1	0	2	0	7	4	61	67
2029	32	1	0	2	1	1	0	2	0	6	3	64	69
2030	30	1	0	2	1	1	0	2	0	6	3	67	70
2031	28	1	0	2	1	1	0	2	0	6	2	69	72
2032	26	1	0	2	1	1	0	2	0	6	2	72	74
2033	24	1	0	2	1	0	0	2	0	5	2	74	76
2034	22	0	0	1	1	0	0	2	0	5	2	75	78
2035	20	0	0	1	1	0	0	2	0	5	1	77	80
2036	18	0	0	1	1	0	0	2	0	4	1	78	82
2037	16	0	0	1	0	0	0	2	0	4	1	79	84
2038	14	0	0	1	0	0	0	2	0	4	1	80	86
2039	12	0	0	1	1	0	0	2	(0)	4	1	81	88
2040	10	0	0	1	1	0	0	2	(1)	3	1	82	90
2041	9	0	0	1	1	0	0	2	(1)	3	1	82	92
2042	8	0	0	0	1	0	0	2	(1)	3	1	83	95
2043	7	0	0	0	1	0	0	2	(1)	3	1	84	97
2044	6	0	0	0	1	0	0	2	(1)	3	0	84	100
2045	5	0	0	0	1	0	0	2	(1)	3	0	84	102
2046	3	0	0	0	1	0	0	2	(1)	2	0	85	105
2047	2	0	0	0	1	0	0	2	(1)	2	0	85	107
2048	1	0	0	0	1	0	0	2	(1)	2	0	85	110

IN SERVICE COST ($000)	54
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2a OF 2

(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	6	2	4	2	3	1	3	0	0	0	1	0
2021	6.68%	4	9	2	5	2	5	1	3	0	0	0	1	1
2022	6.18%	3	13	2	7	2	7	1	3	0	0	0	1	1
2023	5.71%	3	16	2	9	2	8	1	3	0	0	0	1	2
2024	5.29%	3	18	2	11	2	10	0	3	0	0	0	0	2
2025	4.89%	3	21	2	13	2	12	0	3	0	0	0	0	3
2026	4.52%	2	23	2	14	2	14	0	3	0	0	0	0	3
2027	4.46%	2	26	2	16	2	15	0	3	0	0	0	0	3
2028	4.46%	2	28	2	18	2	17	0	3	0	0	0	0	4
2029	4.46%	2	30	2	20	2	19	0	3	0	0	0	0	4
2030	4.46%	2	33	2	21	2	20	0	3	0	0	0	0	4
2031	4.46%	2	35	2	23	2	22	0	3	0	0	0	0	4
2032	4.46%	2	38	2	25	2	24	0	3	0	0	0	0	5
2033	4.46%	2	40	2	27	2	25	0	3	0	0	0	0	5
2034	4.46%	2	42	2	29	2	27	0	3	0	0	0	0	5
2035	4.46%	2	45	2	30	2	29	0	3	0	0	0	0	5
2036	4.46%	2	47	2	32	2	31	0	3	0	0	0	0	6
2037	4.46%	2	49	2	34	2	32	0	3	0	0	0	0	6
2038	4.46%	2	52	2	36	2	34	0	3	0	0	0	0	6
2039	2.23%	1	53	2	38	2	36	(0)	3	0	0	0	(0)	6
2040	0.00%	0	53	2	39	2	37	(1)	3	0	0	0	(1)	5
2041	0.00%	0	53	2	41	2	39	(1)	3	0	0	0	(1)	5
2042	0.00%	0	53	2	43	2	41	(1)	3	0	0	0	(1)	4
2043	0.00%	0	53	2	45	2	42	(1)	3	0	0	0	(1)	3
2044	0.00%	0	53	2	47	2	44	(1)	3	0	0	0	(1)	3
2045	0.00%	0	53	2	48	2	46	(1)	3	0	0	0	(1)	2
2046	0.00%	0	53	2	50	2	48	(1)	3	0	0	0	(1)	1
2047	0.00%	0	53	2	52	2	49	(1)	3	0	0	0	(1)	1
2048	0.00%	0	53	2	54	2	51	(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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	2	0	52	2	(1)	54	53	54
2020	7.22%	4	1	50	4	0	53	50	51
2021	6.68%	4	1	48	5	1	50	47	49
2022	6.18%	3	1	47	7	1	47	45	46
2023	5.71%	3	1	45	9	2	45	43	44
2024	5.29%	3	0	43	11	2	43	41	42
2025	4.89%	3	0	41	13	3	41	38	39
2026	4.52%	2	0	39	14	3	38	36	37
2027	4.46%	2	0	38	16	3	36	34	35
2028	4.46%	2	0	36	18	4	34	32	33
2029	4.46%	2	0	34	20	4	32	30	31
2030	4.46%	2	0	32	21	4	30	28	29
2031	4.46%	2	0	30	23	4	28	26	27
2032	4.46%	2	0	29	25	5	26	24	25
2033	4.46%	2	0	27	27	5	24	22	23
2034	4.46%	2	0	25	29	5	22	20	21
2035	4.46%	2	0	23	30	5	20	18	19
2036	4.46%	2	0	21	32	6	18	16	17
2037	4.46%	2	0	20	34	6	16	14	15
2038	4.46%	2	0	18	36	6	14	12	13
2039	2.23%	1	(0)	16	38	6	12	10	11
2040	0.00%	0	(1)	14	39	5	10	9	10
2041	0.00%	0	(1)	13	41	5	9	8	9
2042	0.00%	0	(1)	11	43	4	8	7	7
2043	0.00%	0	(1)	9	45	3	7	6	6
2044	0.00%	0	(1)	7	47	3	6	5	5
2045	0.00%	0	(1)	5	48	2	5	3	4
2046	0.00%	0	(1)	4	50	1	3	2	3
2047	0.00%	0	(1)	2	52	1	2	1	2
2048	0.00%	0	(1)	0	54	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	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

*** 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.**

page 7

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 2.1
PAGE 1 OF 1

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	10	4	0	11	14	10
2020	9	4	0	20	24	9
2021	9	4	0	20	25	8
2022	9	4	0	21	25	9
2023	8	4	0	21	25	9
2024	8	4	0	23	26	9
2025	8	4	0	23	27	9
2026	7	5	0	23	26	9
2027	7	5	0	24	27	9
2028	7	5	0	25	28	10
2029	6	5	0	26	29	9
2030	6	5	0	27	29	9
2031	6	5	0	28	30	9
2032	6	5	0	29	31	9
2033	5	5	0	30	33	9
2034	5	6	0	31	33	9
2035	5	6	0	32	34	9
2036	4	6	1	34	35	9
2037	4	6	1	35	37	9
2038	4	6	1	36	38	9
2039	4	6	1	38	39	9
2040	3	6	1	39	40	9
2041	3	7	1	40	42	9
2042	3	7	1	42	43	9
2043	3	7	1	43	45	9
2044	3	7	1	45	47	9
2045	3	7	1	47	48	9
2046	2	7	1	49	50	9
2047	2	8	1	50	51	9
2048	2	8	1	52	54	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
NOM	161	168	15	964	1,036	273
NPV	59	43	4	231	258	80

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	16	0
2015	1	0	2	0	0	0	35	0
2016	1	0	2	0	0	0	56	0
2017	1	0	2	0	0	0	47	0
2018	1	0	2	0	0	0	62	0
2019	1	0	2	0	0	0	88	0
2020	1	0	1	0	0	0	81	0
2021	1	0	1	0	0	0	76	0
2022	1	0	1	0	0	0	70	0
2023	1	0	1	0	0	0	71	0
2024	1	0	1	0	0	0	62	0
2025	1	0	1	0	0	0	78	0
2026	1	0	1	0	0	0	73	0
2027	1	0	1	0	0	0	69	0
2028	1	0	1	0	0	0	78	0
2029	1	0	1	0	0	0	60	0
2030	1	0	1	0	0	0	71	0
2031	1	0	1	0	0	0	74	0
2032	1	0	1	0	0	0	53	0
2033	1	0	1	0	0	0	76	0
2034	1	0	1	0	0	0	56	0
2035	1	0	1	0	0	0	49	0
2036	1	0	1	0	0	0	58	0
2037	1	0	1	0	0	0	60	0
2038	1	0	1	0	0	0	57	0
2039	1	0	1	0	0	0	53	0
2040	1	0	1	0	0	0	53	0
2041	1	0	1	0	0	0	56	0
2042	1	0	1	0	0	0	64	0
2043	0	0	1	0	0	0	61	0
2044	0	0	1	0	0	0	66	0
2045	0	0	1	0	0	0	63	0
2046	0	0	1	0	0	0	56	0
2047	0	0	1	0	0	0	58	0
2048	0	0	1	0	0	0	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
NOM.	28	11	39	3	6	9	2,176	0
NPV	13	3	16	2	2	3	793	0

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

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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	2	2	0	2
2023	3	4	3	0	2
2024	3	4	4	0	3
2025	3	4	4	0	3
2026	4	5	4	0	3
2027	4	5	5	0	3
2028	4	6	5	0	4
2029	5	6	6	0	4
2030	5	7	6	0	5
2031	6	7	7	0	5
2032	6	8	7	0	5
2033	7	9	8	0	6
2034	7	10	9	0	7
2035	8	11	10	0	7
2036	9	12	10	0	8
2037	10	12	11	0	8
2038	10	14	12	0	9
2039	11	15	13	0	10
2040	12	16	14	0	10
2041	13	17	15	0	11
2042	14	18	17	0	12
2043	15	20	18	0	13
2044	16	21	19	0	14
2045	17	23	20	0	15
2046	19	24	22	0	16
2047	20	26	23	0	17
2048	21	28	25	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
NOM	254	333	300	0	221
NPV	45	59	54	0	40

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	181	0	181	0	0	16	0	16	(165)	(165)
2015	0	0	0	0	0	0	2	35	0	37	37	(130)
2016	0	0	0	0	0	0	2	56	0	58	58	(80)
2017	0	0	0	0	0	0	2	47	0	49	49	(41)
2018	0	0	0	0	0	0	2	62	0	64	64	7
2019	0	0	0	0	0	10	2	88	0	100	100	77
2020	0	0	0	0	0	9	2	81	0	91	91	136
2021	0	0	0	0	0	8	2	76	0	86	86	187
2022	0	0	0	0	0	9	2	70	2	82	82	233
2023	0	0	0	0	0	9	2	71	2	84	84	277
2024	0	0	232	0	232	9	2	62	3	75	(157)	201
2025	0	0	0	0	0	9	2	78	3	92	92	242
2026	0	0	0	0	0	9	1	73	3	87	87	279
2027	0	0	0	0	0	9	1	69	3	83	83	311
2028	0	0	0	0	0	10	1	78	4	93	93	345
2029	0	0	0	0	0	9	1	60	4	75	75	370
2030	0	0	0	0	0	9	1	71	5	86	86	397
2031	0	0	0	0	0	9	1	74	5	89	89	423
2032	0	0	0	0	0	9	1	53	5	69	69	442
2033	0	0	0	0	0	9	1	76	6	93	93	465
2034	0	0	296	0	297	9	1	56	7	73	(224)	413
2035	0	0	0	0	0	9	1	49	7	66	66	427
2036	0	0	0	0	0	9	1	58	8	76	76	442
2037	0	0	0	0	0	9	1	60	8	78	78	457
2038	0	0	0	0	0	9	1	57	9	76	76	470
2039	0	0	0	0	0	9	1	53	10	73	73	482
2040	0	0	0	0	0	9	1	53	10	73	73	493
2041	0	0	0	0	0	9	1	56	11	78	78	504
2042	0	0	0	0	0	9	1	64	12	86	86	515
2043	0	0	0	0	0	9	1	61	13	85	85	526
2044	0	1	379	0	380	9	1	66	14	90	(290)	493
2045	0	0	0	0	0	9	1	63	15	88	88	502
2046	0	0	0	0	0	9	1	56	16	82	82	510
2047	0	0	0	0	0	9	1	58	17	85	85	518
2048	0	0	0	0	0	9	1	70	18	99	99	526
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	1,088	0	1,090	273	48	2,176	221	2,718	1,628	
NPV	0	1	405	0	406	80	19	793	40	932	526	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.30

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	23	0	9	0	32	181	0	0	181	(149)	(149)
2015	43	0	0	0	43	0	0	0	0	43	(109)
2016	44	0	0	0	44	0	0	0	0	44	(71)
2017	46	0	0	0	46	0	0	0	0	46	(34)
2018	49	0	0	0	49	0	0	0	0	49	3
2019	52	0	0	0	52	0	0	0	0	52	39
2020	53	0	0	0	53	0	0	0	0	53	73
2021	54	0	0	0	54	0	0	0	0	54	106
2022	57	0	0	0	57	0	0	0	0	57	137
2023	58	0	0	0	58	0	0	0	0	58	168
2024	59	0	9	0	68	232	0	0	232	(163)	89
2025	59	0	0	0	59	0	0	0	0	59	115
2026	60	0	0	0	60	0	0	0	0	60	140
2027	61	0	0	0	61	0	0	0	0	61	164
2028	62	0	0	0	62	0	0	0	0	62	186
2029	63	0	0	0	63	0	0	0	0	63	208
2030	65	0	0	0	65	0	0	0	0	65	228
2031	66	0	0	0	66	0	0	0	0	66	247
2032	69	0	0	0	69	0	0	0	0	69	266
2033	73	0	0	0	73	0	0	0	0	73	284
2034	75	0	9	0	84	296	0	0	296	(212)	234
2035	77	0	0	0	77	0	0	0	0	77	251
2036	81	0	0	0	81	0	0	0	0	81	268
2037	84	0	0	0	84	0	0	0	0	84	283
2038	86	0	0	0	86	0	0	0	0	86	298
2039	89	0	0	0	89	0	0	0	0	89	313
2040	91	0	0	0	91	0	0	0	0	91	327
2041	94	0	0	0	94	0	0	0	0	94	340
2042	97	0	0	0	97	0	0	0	0	97	353
2043	102	0	0	0	102	0	0	0	0	102	365
2044	106	0	9	0	115	379	0	0	379	(265)	335
2045	110	0	0	0	110	0	0	0	0	110	346
2046	114	0	0	0	114	0	0	0	0	114	358
2047	118	0	0	0	118	0	0	0	0	118	368
2048	123	0	0	0	123	0	0	0	0	123	379
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	2,561	0	36	0	2,597	1,088	0	0	1,088	1,509	
NPV	767	0	17	0	784	405	0	0	405	379	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.93	

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	9	19	0	28	16	0	0	0	16	(12)	(12)
2015	0	0	0	36	0	36	35	2	0	0	37	1	(11)
2016	0	0	0	37	0	37	56	2	0	0	58	21	8
2017	0	0	0	38	0	38	47	2	0	0	49	11	17
2018	0	0	0	40	0	40	62	2	0	0	64	24	34
2019	0	0	0	43	0	43	98	2	0	0	100	57	74
2020	0	0	0	44	0	44	90	2	0	0	91	47	105
2021	0	0	0	45	0	45	84	2	0	0	86	41	129
2022	0	0	0	47	0	47	79	2	0	2	82	35	149
2023	0	0	0	48	0	48	80	2	0	2	84	36	167
2024	0	0	9	49	0	58	71	2	0	3	75	17	175
2025	0	0	0	49	0	49	87	2	0	3	92	42	194
2026	0	0	0	50	0	50	83	1	0	3	87	37	210
2027	0	0	0	51	0	51	78	1	0	3	83	32	222
2028	0	0	0	52	0	52	88	1	0	4	93	42	237
2029	0	0	0	53	0	53	69	1	0	4	75	22	245
2030	0	0	0	54	0	54	81	1	0	5	86	33	255
2031	0	0	0	55	0	55	83	1	0	5	89	35	265
2032	0	0	0	57	0	57	63	1	0	5	69	13	269
2033	0	0	0	60	0	60	85	1	0	6	93	32	277
2034	0	0	9	62	0	72	65	1	0	7	73	1	277
2035	0	0	0	64	0	64	58	1	0	7	66	2	277
2036	0	0	0	67	0	67	67	1	0	8	76	8	279
2037	0	0	0	69	0	69	69	1	0	8	78	9	281
2038	0	0	0	72	0	72	65	1	0	9	76	4	281
2039	0	0	0	74	0	74	62	1	0	10	73	(1)	281
2040	0	0	0	76	0	76	62	1	0	10	73	(2)	281
2041	0	0	0	78	0	78	65	1	0	11	78	(0)	281
2042	0	0	0	81	0	81	73	1	0	12	86	6	282
2043	0	0	0	84	0	84	70	1	0	13	85	0	282
2044	0	1	9	88	0	97	75	1	0	14	90	(7)	281
2045	0	0	0	91	0	91	72	1	0	15	88	(3)	281
2046	0	0	0	94	0	94	65	1	0	16	82	(12)	279
2047	0	0	0	98	0	98	67	1	0	17	85	(13)	278
2048	0	0	0	102	0	102	80	1	0	18	99	(3)	278
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	36	2,126	0	2,164	2,449	48	0	221	2,718	555	
NPV	0	1	17	637	0	654	873	19	0	40	932	278	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.43

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	8.22	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	10.81406	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	76,440.39	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	***	%

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* INPUT DATA -- PART 1 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	2	0	2	2	1	28	0	0	28
2015	0	0	0	0	3	1	0	0	0	0
2016	0	0	0	0	3	1	0	0	0	0
2017	0	0	0	0	3	1	0	0	0	0
2018	0	0	0	0	4	1	0	0	0	0
2019	0	0	0	0	4	1	0	0	0	0
2020	0	0	0	0	4	1	0	0	0	0
2021	0	0	0	0	4	2	0	0	0	0
2022	0	0	0	0	4	2	0	0	0	0
2023	0	0	0	0	5	1	0	0	0	0
2024	0	2	0	2	5	1	36	0	0	36
2025	0	0	0	0	5	1	0	0	0	0
2026	0	0	0	0	5	1	0	0	0	0
2027	0	0	0	0	5	1	0	0	0	0
2028	0	0	0	0	5	1	0	0	0	0
2029	0	0	0	0	6	1	0	0	0	0
2030	0	0	0	0	6	1	0	0	0	0
2031	0	0	0	0	6	1	0	0	0	0
2032	0	0	0	0	6	1	0	0	0	0
2033	0	0	0	0	7	1	0	0	0	0
2034	0	2	0	2	7	2	46	0	0	46
2035	0	0	0	0	7	2	0	0	0	0
2036	0	0	0	0	8	2	0	0	0	0
2037	0	0	0	0	8	2	0	0	0	0
2038	0	0	0	0	9	2	0	0	0	0
2039	0	0	0	0	9	2	0	0	0	0
2040	0	0	0	0	9	2	0	0	0	0
2041	0	0	0	0	10	2	0	0	0	0
2042	0	0	0	0	10	2	0	0	0	0
2043	0	0	0	0	11	2	0	0	0	0
2044	1	2	0	2	11	2	59	0	0	59
2045	0	0	0	0	12	2	0	0	0	0
2046	0	0	0	0	13	2	0	0	0	0
2047	0	0	0	0	13	2	0	0	0	0
2048	0	0	0	0	14	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
NOM	2	7	0	8	246	52	168	0	0	168
NPV	1	3	0	4	67	18	63	0	0	63

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 2

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	10	0	0	1	0	0	0	0	0	2	2	2	10
2020	10	0	0	1	0	0	0	0	0	2	2	3	10
2021	9	0	0	1	0	0	0	0	0	2	1	5	11
2022	9	0	0	1	0	0	0	0	0	2	1	6	11
2023	8	0	0	1	0	0	0	0	0	2	1	7	11
2024	8	0	0	0	0	0	0	0	0	1	1	8	11
2025	8	0	0	0	0	0	0	0	0	1	1	9	12
2026	7	0	0	0	0	0	0	0	0	1	1	10	12
2027	7	0	0	0	0	0	0	0	0	1	1	11	12
2028	6	0	0	0	0	0	0	0	0	1	1	11	12
2029	6	0	0	0	0	0	0	0	0	1	1	12	13
2030	6	0	0	0	0	0	0	0	0	1	1	12	13
2031	5	0	0	0	0	0	0	0	0	1	0	13	13
2032	5	0	0	0	0	0	0	0	0	1	0	13	14
2033	4	0	0	0	0	0	0	0	0	1	0	14	14
2034	4	0	0	0	0	0	0	0	0	1	0	14	14
2035	4	0	0	0	0	0	0	0	0	1	0	14	15
2036	3	0	0	0	0	0	0	0	0	1	0	15	15
2037	3	0	0	0	0	0	0	0	0	1	0	15	16
2038	3	0	0	0	0	0	0	0	0	1	0	15	16
2039	2	0	0	0	0	0	0	0	(0)	1	0	15	16
2040	2	0	0	0	0	0	0	0	(0)	1	0	15	17
2041	2	0	0	0	0	0	0	0	(0)	1	0	15	17
2042	1	0	0	0	0	0	0	0	(0)	1	0	15	18
2043	1	0	0	0	0	0	0	0	(0)	1	0	16	18
2044	1	0	0	0	0	0	0	0	(0)	1	0	16	19
2045	1	0	0	0	0	0	0	0	(0)	0	0	16	19
2046	1	0	0	0	0	0	0	0	(0)	0	0	16	19
2047	0	0	0	0	0	0	0	0	(0)	0	0	16	20
2048	0	0	0	0	0	0	0	0	(0)	0	0	16	20

IN SERVICE COST ($000)	10
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	2	0	1	0	1	0	1	0	0	0	0	0
2023	5.71%	1	3	0	2	0	2	0	1	0	0	0	0	0
2024	5.29%	1	3	0	2	0	2	0	1	0	0	0	0	0
2025	4.89%	0	4	0	2	0	2	0	1	0	0	0	0	1
2026	4.52%	0	4	0	3	0	3	0	1	0	0	0	0	1
2027	4.46%	0	5	0	3	0	3	0	1	0	0	0	0	1
2028	4.46%	0	5	0	3	0	3	0	1	0	0	0	0	1
2029	4.46%	0	6	0	4	0	3	0	1	0	0	0	0	1
2030	4.46%	0	6	0	4	0	4	0	1	0	0	0	0	1
2031	4.46%	0	7	0	4	0	4	0	1	0	0	0	0	1
2032	4.46%	0	7	0	5	0	4	0	1	0	0	0	0	1
2033	4.46%	0	7	0	5	0	5	0	1	0	0	0	0	1
2034	4.46%	0	8	0	5	0	5	0	1	0	0	0	0	1
2035	4.46%	0	8	0	6	0	5	0	1	0	0	0	0	1
2036	4.46%	0	9	0	6	0	6	0	1	0	0	0	0	1
2037	4.46%	0	9	0	6	0	6	0	1	0	0	0	0	1
2038	4.46%	0	10	0	7	0	6	0	1	0	0	0	0	1
2039	2.23%	0	10	0	7	0	7	(0)	1	0	0	0	(0)	1
2040	0.00%	0	10	0	7	0	7	(0)	1	0	0	0	(0)	1
2041	0.00%	0	10	0	8	0	7	(0)	1	0	0	0	(0)	1
2042	0.00%	0	10	0	8	0	8	(0)	1	0	0	0	(0)	1
2043	0.00%	0	10	0	8	0	8	(0)	1	0	0	0	(0)	1
2044	0.00%	0	10	0	9	0	8	(0)	1	0	0	0	(0)	0
2045	0.00%	0	10	0	9	0	9	(0)	1	0	0	0	(0)	0
2046	0.00%	0	10	0	9	0	9	(0)	1	0	0	0	(0)	0
2047	0.00%	0	10	0	10	0	9	(0)	1	0	0	0	(0)	0
2048	0.00%	0	10	0	10	0	9	(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: [redacted] 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	10	0	(0)	10	10	10
2020	7.22%	1	0	9	1	0	10	9	10
2021	6.68%	1	0	9	1	0	9	9	9
2022	6.18%	1	0	9	1	0	9	8	9
2023	5.71%	1	0	8	2	0	8	8	8
2024	5.29%	1	0	8	2	0	8	8	8
2025	4.89%	0	0	8	2	1	8	7	7
2026	4.52%	0	0	7	3	1	7	7	7
2027	4.46%	0	0	7	3	1	7	6	7
2028	4.46%	0	0	7	3	1	6	6	6
2029	4.46%	0	0	6	4	1	6	6	6
2030	4.46%	0	0	6	4	1	6	5	5
2031	4.46%	0	0	6	4	1	5	5	5
2032	4.46%	0	0	5	5	1	5	4	5
2033	4.46%	0	0	5	5	1	4	4	4
2034	4.46%	0	0	5	5	1	4	4	4
2035	4.46%	0	0	4	6	1	4	3	4
2036	4.46%	0	0	4	6	1	3	3	3
2037	4.46%	0	0	4	6	1	3	3	3
2038	4.46%	0	0	3	7	1	3	2	2
2039	2.23%	0	(0)	3	7	1	2	2	2
2040	0.00%	0	(0)	3	7	1	2	2	2
2041	0.00%	0	(0)	2	8	1	2	1	2
2042	0.00%	0	(0)	2	8	1	1	1	1
2043	0.00%	0	(0)	2	8	1	1	1	1
2044	0.00%	0	(0)	1	9	0	1	1	1
2045	0.00%	0	(0)	1	9	0	1	1	1
2046	0.00%	0	(0)	1	9	0	1	0	1
2047	0.00%	0	(0)	0	10	0	0	0	0
2048	0.00%	0	(0)	0	10	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	1	1	3.60	5.70	3.72	0.00	1.00	1.00
2015	1	1	4.45	6.78	4.67	0.00	1.00	1.00
2016	1	1	4.92	10.97	5.18	0.00	1.00	1.00
2017	1	1	4.27	7.43	4.41	0.00	1.00	1.00
2018	1	1	5.27	10.47	5.46	0.00	1.00	1.00
2019	1	1	5.38	10.79	5.57	5.05	1.00	1.00
2020	1	1	5.65	11.85	5.86	5.04	1.00	1.00
2021	1	1	5.65	11.25	5.85	5.11	1.00	1.00
2022	1	1	5.60	10.15	5.78	5.07	1.00	1.00
2023	1	1	5.60	9.26	5.77	5.17	1.00	1.00
2024	1	1	5.81	9.17	5.98	5.46	1.00	1.00
2025	1	1	5.98	9.63	6.16	5.61	1.00	1.00
2026	1	1	5.73	8.53	5.88	5.73	1.00	1.00
2027	1	1	6.01	9.56	6.19	6.01	1.00	1.00
2028	1	1	6.07	8.65	6.24	6.10	1.00	1.00
2029	1	1	6.28	8.95	6.46	6.40	1.00	1.00
2030	1	1	6.34	8.73	6.50	6.40	1.00	1.00
2031	1	1	6.57	9.10	6.72	6.72	1.00	1.00
2032	1	1	6.62	8.26	6.73	6.79	1.00	1.00
2033	1	1	6.97	9.43	7.08	7.12	1.00	1.00
2034	1	1	7.05	8.77	7.15	7.32	1.00	1.00
2035	1	1	7.19	8.70	7.29	7.51	1.00	1.00
2036	1	1	7.47	9.21	7.56	7.70	1.00	1.00
2037	1	1	7.68	9.61	7.79	8.03	1.00	1.00
2038	1	1	7.94	9.80	8.04	8.32	1.00	1.00
2039	1	1	8.12	9.83	8.22	8.48	1.00	1.00
2040	1	1	8.35	10.14	8.45	8.85	1.00	1.00
2041	1	1	8.67	10.56	8.77	9.11	1.00	1.00
2042	1	1	8.99	11.16	9.10	9.45	1.00	1.00
2043	1	1	9.27	11.35	9.38	9.80	1.00	1.00
2044	1	1	9.60	11.87	9.71	10.24	1.00	1.00
2045	1	1	9.94	12.11	10.06	10.56	1.00	1.00
2046	1	1	10.25	12.18	10.35	10.91	1.00	1.00
2047	1	1	10.57	12.69	10.68	11.25	1.00	1.00
2048	1	1	11.00	13.53	11.12	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

*** 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	2	1	0	2	3	2
2020	2	1	0	4	5	2
2021	2	1	0	4	5	2
2022	2	1	0	4	5	2
2023	2	1	0	4	5	2
2024	1	1	0	4	5	2
2025	1	1	0	4	5	2
2026	1	1	0	4	5	2
2027	1	1	0	4	5	2
2028	1	1	0	5	5	2
2029	1	1	0	5	5	2
2030	1	1	0	5	5	2
2031	1	1	0	5	6	2
2032	1	1	0	5	6	2
2033	1	1	0	6	6	2
2034	1	1	0	6	6	2
2035	1	1	0	6	6	2
2036	1	1	0	6	7	2
2037	1	1	0	6	7	2
2038	1	1	0	7	7	2
2039	1	1	0	7	7	2
2040	1	1	0	7	8	2
2041	1	1	0	7	8	2
2042	1	1	0	8	8	2
2043	1	1	0	8	8	2
2044	1	1	0	8	9	2
2045	0	1	0	9	9	2
2046	0	1	0	9	9	2
2047	0	1	0	9	10	2
2048	0	1	0	10	10	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
NOM	30	31	3	179	193	51
NPV	11	8	1	43	48	15

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	2	0
2015	0	0	0	0	0	0	6	0
2016	0	0	0	0	0	0	9	0
2017	0	0	0	0	0	0	6	0
2018	0	0	0	0	0	0	9	0
2019	0	0	0	0	0	0	9	0
2020	0	0	0	0	0	0	10	0
2021	0	0	0	0	0	0	9	0
2022	0	0	0	0	0	0	8	0
2023	0	0	0	0	0	0	8	0
2024	0	0	0	0	0	0	8	0
2025	0	0	0	0	0	0	8	0
2026	0	0	0	0	0	0	7	0
2027	0	0	0	0	0	0	8	0
2028	0	0	0	0	0	0	7	0
2029	0	0	0	0	0	0	7	0
2030	0	0	0	0	0	0	7	0
2031	0	0	0	0	0	0	7	0
2032	0	0	0	0	0	0	7	0
2033	0	0	0	0	0	0	8	0
2034	0	0	0	0	0	0	7	0
2035	0	0	0	0	0	0	7	0
2036	0	0	0	0	0	0	7	0
2037	0	0	0	0	0	0	8	0
2038	0	0	0	0	0	0	8	0
2039	0	0	0	0	0	0	8	0
2040	0	0	0	0	0	0	8	0
2041	0	0	0	0	0	0	8	0
2042	0	0	0	0	0	0	9	0
2043	0	0	0	0	0	0	9	0
2044	0	0	0	0	0	0	9	0
2045	0	0	0	0	0	0	10	0
2046	0	0	0	0	0	0	10	0
2047	0	0	0	0	0	0	10	0
2048	0	0	0	0	0	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
NOM.	5	2	7	1	1	2	278	0
NPV	2	1	3	0	0	1	99	0

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

page 8a

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	1	1	1	0	0
2024	1	1	1	0	0
2025	1	1	1	0	1
2026	1	1	1	0	1
2027	1	1	1	0	1
2028	1	1	1	0	1
2029	1	1	1	0	1
2030	1	1	1	0	1
2031	1	1	1	0	1
2032	1	2	1	0	1
2033	1	2	2	0	1
2034	1	2	2	0	1
2035	2	2	2	0	1
2036	2	2	2	0	1
2037	2	2	2	0	2
2038	2	3	2	0	2
2039	2	3	2	0	2
2040	2	3	3	0	2
2041	2	3	3	0	2
2042	3	3	3	0	2
2043	3	4	3	0	2
2044	3	4	4	0	3
2045	3	4	4	0	3
2046	3	5	4	0	3
2047	4	5	4	0	3
2048	4	5	5	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
NOM	47	62	56	0	41
NPV	8	11	10	0	7

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	28	0	28	0	0	2	0	2	(26)	(26)
2015	0	0	0	0	0	0	0	6	0	6	6	(20)
2016	0	0	0	0	0	0	0	9	0	10	10	(12)
2017	0	0	0	0	0	0	0	6	0	7	7	(7)
2018	0	0	0	0	0	0	0	9	0	9	9	0
2019	0	0	0	0	0	2	0	9	0	11	11	8
2020	0	0	0	0	0	2	0	10	0	12	12	16
2021	0	0	0	0	0	2	0	9	0	11	11	23
2022	0	0	0	0	0	2	0	8	0	11	11	29
2023	0	0	0	0	0	2	0	8	0	10	10	34
2024	0	0	36	0	36	2	0	8	0	10	(26)	21
2025	0	0	0	0	0	2	0	8	1	10	10	26
2026	0	0	0	0	0	2	0	7	1	10	10	30
2027	0	0	0	0	0	2	0	8	1	10	10	34
2028	0	0	0	0	0	2	0	7	1	10	10	37
2029	0	0	0	0	0	2	0	7	1	10	10	41
2030	0	0	0	0	0	2	0	7	1	10	10	44
2031	0	0	0	0	0	2	0	7	1	10	10	47
2032	0	0	0	0	0	2	0	7	1	10	10	49
2033	0	0	0	0	0	2	0	8	1	11	11	52
2034	0	0	46	0	46	2	0	7	1	10	(36)	44
2035	0	0	0	0	0	2	0	7	1	10	10	46
2036	0	0	0	0	0	2	0	7	1	11	11	48
2037	0	0	0	0	0	2	0	8	2	11	11	50
2038	0	0	0	0	0	2	0	8	2	11	11	52
2039	0	0	0	0	0	2	0	8	2	12	12	54
2040	0	0	0	0	0	2	0	8	2	12	12	56
2041	0	0	0	0	0	2	0	8	2	12	12	57
2042	0	0	0	0	0	2	0	9	2	13	13	59
2043	0	0	0	0	0	2	0	9	2	13	13	61
2044	0	1	59	0	59	2	0	9	3	14	(45)	56
2045	0	0	0	0	0	2	0	10	3	14	14	57
2046	0	0	0	0	0	2	0	10	3	15	15	58
2047	0	0	0	0	0	2	0	10	3	15	15	60
2048	0	0	0	0	0	2	0	11	3	16	16	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	0	
	0	0	0	0	0	0	0	0	0	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	168	0	170	51	9	278	41	379	209	
NPV	0	1	63	0	63	15	4	99	7	124	61	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.97

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	3	0	2	0	4	28	0	0	28	(24)	(24)
2015	5	0	0	0	5	0	0	0	0	5	(19)
2016	5	0	0	0	5	0	0	0	0	5	(14)
2017	6	0	0	0	6	0	0	0	0	6	(10)
2018	6	0	0	0	6	0	0	0	0	6	(5)
2019	7	0	0	0	7	0	0	0	0	7	(1)
2020	7	0	0	0	7	0	0	0	0	7	4
2021	7	0	0	0	7	0	0	0	0	7	8
2022	7	0	0	0	7	0	0	0	0	7	12
2023	7	0	0	0	7	0	0	0	0	7	15
2024	7	0	2	0	9	36	0	0	36	(27)	2
2025	7	0	0	0	7	0	0	0	0	7	6
2026	8	0	0	0	8	0	0	0	0	8	9
2027	8	0	0	0	8	0	0	0	0	8	12
2028	8	0	0	0	8	0	0	0	0	8	15
2029	8	0	0	0	8	0	0	0	0	8	17
2030	8	0	0	0	8	0	0	0	0	8	20
2031	9	0	0	0	9	0	0	0	0	9	23
2032	9	0	0	0	9	0	0	0	0	9	25
2033	10	0	0	0	10	0	0	0	0	10	27
2034	10	0	2	0	12	46	0	0	46	(34)	20
2035	10	0	0	0	10	0	0	0	0	10	22
2036	11	0	0	0	11	0	0	0	0	11	24
2037	12	0	0	0	12	0	0	0	0	12	26
2038	12	0	0	0	12	0	0	0	0	12	28
2039	12	0	0	0	12	0	0	0	0	12	30
2040	13	0	0	0	13	0	0	0	0	13	32
2041	13	0	0	0	13	0	0	0	0	13	34
2042	14	0	0	0	14	0	0	0	0	14	36
2043	15	0	0	0	15	0	0	0	0	15	38
2044	15	0	2	0	17	59	0	0	59	(42)	33
2045	16	0	0	0	16	0	0	0	0	16	35
2046	17	0	0	0	17	0	0	0	0	17	36
2047	18	0	0	0	18	0	0	0	0	18	38
2048	18	0	0	0	18	0	0	0	0	18	40
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	348	0	7	0	354	168	0	0	168	186	
NPV	99	0	3	0	102	63	0	0	63	40	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.63	

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	2	2	0	4	2	0	0	0	2	(2)	(2)
2015	0	0	0	5	0	5	6	0	0	0	6	1	(1)
2016	0	0	0	5	0	5	9	0	0	0	10	5	4
2017	0	0	0	5	0	5	6	0	0	0	7	2	5
2018	0	0	0	5	0	5	9	0	0	0	9	4	8
2019	0	0	0	6	0	6	11	0	0	0	11	6	12
2020	0	0	0	6	0	6	12	0	0	0	12	6	16
2021	0	0	0	6	0	6	11	0	0	0	11	5	19
2022	0	0	0	6	0	6	10	0	0	0	11	5	22
2023	0	0	0	6	0	6	9	0	0	0	10	4	24
2024	0	0	2	6	0	8	9	0	0	0	10	2	25
2025	0	0	0	6	0	6	10	0	0	1	10	4	27
2026	0	0	0	7	0	7	9	0	0	1	10	3	28
2027	0	0	0	7	0	7	10	0	0	1	10	4	29
2028	0	0	0	7	0	7	9	0	0	1	10	3	30
2029	0	0	0	7	0	7	9	0	0	1	10	3	31
2030	0	0	0	7	0	7	9	0	0	1	10	3	32
2031	0	0	0	7	0	7	9	0	0	1	10	3	33
2032	0	0	0	8	0	8	8	0	0	1	10	2	33
2033	0	0	0	8	0	8	9	0	0	1	11	2	34
2034	0	0	2	9	0	11	9	0	0	1	10	(1)	34
2035	0	0	0	9	0	9	9	0	0	1	10	1	34
2036	0	0	0	10	0	10	9	0	0	1	11	1	34
2037	0	0	0	10	0	10	9	0	0	2	11	1	35
2038	0	0	0	10	0	10	9	0	0	2	11	1	35
2039	0	0	0	11	0	11	10	0	0	2	12	1	35
2040	0	0	0	11	0	11	10	0	0	2	12	1	35
2041	0	0	0	11	0	11	10	0	0	2	12	1	35
2042	0	0	0	12	0	12	11	0	0	2	13	1	35
2043	0	0	0	12	0	12	11	0	0	2	13	1	35
2044	0	1	2	13	0	15	11	0	0	3	14	(1)	35
2045	0	0	0	14	0	14	11	0	0	3	14	1	35
2046	0	0	0	14	0	14	11	0	0	3	15	0	35
2047	0	0	0	15	0	15	12	0	0	3	15	0	35
2048	0	0	0	16	0	16	12	0	0	3	16	0	35
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	7	297	0	306	329	9	0	41	379	73	
NPV	0	1	3	85	0	89	114	4	0	7	124	35	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.40

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	30.46	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	40.05042	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	149,503.39	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

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* INPUT DATA -- PART 1 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	1	6	0	7	3	2	36	0	0	36
2015	0	0	0	0	6	4	0	0	0	0
2016	0	0	0	0	6	4	0	0	0	0
2017	0	0	0	0	7	4	0	0	0	0
2018	0	0	0	0	7	4	0	0	0	0
2019	0	0	0	0	8	5	0	0	0	0
2020	0	0	0	0	8	5	0	0	0	0
2021	0	0	0	0	8	5	0	0	0	0
2022	0	0	0	0	8	5	0	0	0	0
2023	0	0	0	0	9	5	0	0	0	0
2024	0	0	0	0	9	5	0	0	0	0
2025	1	6	0	7	9	5	47	0	0	47
2026	0	0	0	0	10	5	0	0	0	0
2027	0	0	0	0	10	5	0	0	0	0
2028	0	0	0	0	10	5	0	0	0	0
2029	0	0	0	0	11	5	0	0	0	0
2030	0	0	0	0	11	5	0	0	0	0
2031	0	0	0	0	11	5	0	0	0	0
2032	0	0	0	0	12	5	0	0	0	0
2033	0	0	0	0	13	5	0	0	0	0
2034	0	0	0	0	14	5	0	0	0	0
2035	0	0	0	0	14	5	0	0	0	0
2036	1	6	0	7	15	5	62	0	0	62
2037	0	0	0	0	16	5	0	0	0	0
2038	0	0	0	0	16	5	0	0	0	0
2039	0	0	0	0	17	5	0	0	0	0
2040	0	0	0	0	18	5	0	0	0	0
2041	0	0	0	0	19	5	0	0	0	0
2042	0	0	0	0	19	5	0	0	0	0
2043	0	0	0	0	21	5	0	0	0	0
2044	0	0	0	0	22	5	0	0	0	0
2045	0	0	0	0	23	5	0	0	0	0
2046	0	0	0	0	24	6	0	0	0	0
2047	1	6	0	7	25	6	81	0	0	81
2048	0	0	0	0	26	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
NOM	3	25	0	28	467	168	227	0	0	227
NPV	1	11	0	12	128	58	77	0	0	77

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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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	38	1	0	2	1	1	0	1	0	7	7	7	37
2020	36	1	0	2	1	1	0	1	1	6	6	12	38
2021	34	1	0	2	1	1	0	1	0	6	5	18	39
2022	33	1	0	2	1	1	0	1	0	6	5	23	40
2023	31	1	0	2	1	1	0	1	0	6	4	27	41
2024	29	1	0	2	1	1	0	1	0	5	4	31	42
2025	28	1	0	2	1	1	0	1	0	5	3	34	43
2026	26	1	0	2	1	0	0	1	0	5	3	37	44
2027	25	1	0	2	1	0	0	1	0	5	3	40	45
2028	24	0	0	1	1	0	0	1	0	5	2	42	46
2029	22	0	0	1	1	0	0	1	0	4	2	44	47
2030	21	0	0	1	1	0	0	1	0	4	2	46	49
2031	19	0	0	1	1	0	0	1	0	4	2	48	50
2032	18	0	0	1	1	0	0	1	0	4	2	49	51
2033	17	0	0	1	1	0	0	1	0	4	1	51	52
2034	15	0	0	1	0	0	0	1	0	3	1	52	54
2035	14	0	0	1	0	0	0	1	0	3	1	53	55
2036	12	0	0	1	0	0	0	1	0	3	1	54	56
2037	11	0	0	1	0	0	0	1	0	3	1	55	58
2038	10	0	0	1	0	0	0	1	0	3	1	55	59
2039	8	0	0	1	0	0	0	1	(0)	3	1	56	61
2040	7	0	0	0	1	0	0	1	(0)	2	1	56	62
2041	6	0	0	0	1	0	0	1	(0)	2	0	57	64
2042	5	0	0	0	1	0	0	1	(0)	2	0	57	65
2043	5	0	0	0	1	0	0	1	(0)	2	0	58	67
2044	4	0	0	0	1	0	0	1	(0)	2	0	58	69
2045	3	0	0	0	1	0	0	1	(0)	2	0	58	70
2046	2	0	0	0	1	0	0	1	(0)	2	0	58	72
2047	2	0	0	0	1	0	0	1	(0)	2	0	59	74
2048	1	0	0	0	1	(0)	0	1	(0)	1	0	59	76

IN SERVICE COST ($000)	37
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	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	4	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	18	1	11	1	11	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	14	1	13	0	2	0	0	0	0	3
2030	4.46%	2	23	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	26	1	17	1	16	0	2	0	0	0	0	3
2033	4.46%	2	27	1	19	1	18	0	2	0	0	0	0	3
2034	4.46%	2	29	1	20	1	19	0	2	0	0	0	0	3
2035	4.46%	2	31	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	36	1	25	1	23	0	2	0	0	0	0	4
2039	2.23%	1	36	1	26	1	25	(0)	2	0	0	0	(0)	4
2040	0.00%	0	36	1	27	1	26	(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	30	1	28	(0)	2	0	0	0	(0)	3
2043	0.00%	0	36	1	31	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	32	(0)	2	0	0	0	(0)	1
2046	0.00%	0	36	1	35	1	33	(0)	2	0	0	0	(0)	1
2047	0.00%	0	36	1	36	1	34	(0)	2	0	0	0	(0)	0
2048	0.00%	0	36	1	37	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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	1	0	36	1	(0)	38	36	37
2020	7.22%	3	1	35	2	0	36	34	35
2021	6.68%	2	0	33	4	1	34	33	34
2022	6.18%	2	0	32	5	1	33	31	32
2023	5.71%	2	0	31	6	1	31	29	30
2024	5.29%	2	0	30	7	2	29	28	29
2025	4.89%	2	0	28	9	2	28	26	27
2026	4.52%	2	0	27	10	2	26	25	26
2027	4.46%	2	0	26	11	2	25	24	24
2028	4.46%	2	0	25	12	2	24	22	23
2029	4.46%	2	0	23	14	3	22	21	22
2030	4.46%	2	0	22	15	3	21	19	20
2031	4.46%	2	0	21	16	3	19	18	19
2032	4.46%	2	0	20	17	3	18	17	17
2033	4.46%	2	0	19	19	3	17	15	16
2034	4.46%	2	0	17	20	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	12
2037	4.46%	2	0	14	23	4	11	10	10
2038	4.46%	2	0	12	25	4	10	8	9
2039	2.23%	1	(0)	11	26	4	8	7	8
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	30	3	5	5	5
2043	0.00%	0	(0)	6	31	2	5	4	4
2044	0.00%	0	(0)	5	32	2	4	3	4
2045	0.00%	0	(0)	4	33	1	3	2	3
2046	0.00%	0	(0)	2	35	1	2	2	2
2047	0.00%	0	(0)	1	36	0	2	1	1
2048	0.00%	0	(0)	(0)	37	0	1	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	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

*** 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	7	3	0	8	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	16	18	6
2025	5	3	0	16	19	6
2026	5	3	0	16	18	6
2027	5	3	0	17	19	6
2028	5	3	0	17	19	7
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	21	22	6
2034	3	4	0	22	23	6
2035	3	4	0	22	24	6
2036	3	4	0	23	24	6
2037	3	4	0	24	25	6
2038	3	4	0	25	26	6
2039	3	4	0	26	27	6
2040	2	4	0	27	28	6
2041	2	5	0	28	29	6
2042	2	5	0	29	30	6
2043	2	5	0	30	31	6
2044	2	5	0	31	32	6
2045	2	5	0	32	33	6
2046	2	5	0	34	34	6
2047	2	5	0	35	35	6
2048	1	5	0	36	37	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
NOM	111	116	10	665	714	188
NPV	41	30	3	159	178	55

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	6	0
2015	1	0	1	0	0	0	13	0
2016	1	0	1	0	0	0	20	0
2017	1	0	1	0	0	0	17	0
2018	1	0	1	0	0	0	23	0
2019	1	0	1	0	0	0	32	0
2020	1	0	1	0	0	0	29	0
2021	1	0	1	0	0	0	28	0
2022	1	0	1	0	0	0	26	0
2023	1	0	1	0	0	0	26	0
2024	1	0	1	0	0	0	23	0
2025	1	0	1	0	0	0	28	0
2026	1	0	1	0	0	0	27	0
2027	1	0	1	0	0	0	25	0
2028	1	0	1	0	0	0	29	0
2029	1	0	1	0	0	0	22	0
2030	1	0	1	0	0	0	26	0
2031	1	0	1	0	0	0	27	0
2032	0	0	1	0	0	0	19	0
2033	0	0	1	0	0	0	28	0
2034	0	0	1	0	0	0	20	0
2035	0	0	1	0	0	0	18	0
2036	0	0	1	0	0	0	21	0
2037	0	0	1	0	0	0	22	0
2038	0	0	1	0	0	0	21	0
2039	0	0	1	0	0	0	19	0
2040	0	0	1	0	0	0	19	0
2041	0	0	1	0	0	0	21	0
2042	0	0	1	0	0	0	23	0
2043	0	0	1	0	0	0	22	0
2044	0	0	1	0	0	0	24	0
2045	0	0	1	0	0	0	23	0
2046	0	0	1	0	0	0	20	0
2047	0	0	1	0	0	0	21	0
2048	0	0	1	0	0	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	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	19	8	27	2	4	6	792	0
NPV	9	2	11	1	1	2	289	0

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

page 8a

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	1	2	1	0	0
2023	2	3	1	0	1
2024	2	3	1	0	1
2025	2	3	1	0	1
2026	2	3	2	0	1
2027	3	3	2	0	1
2028	3	4	2	0	1
2029	3	4	2	0	1
2030	4	5	2	0	1
2031	4	5	2	0	1
2032	4	6	3	0	1
2033	5	6	3	0	1
2034	5	7	3	0	2
2035	6	7	3	0	2
2036	6	8	4	0	2
2037	7	9	4	0	2
2038	7	9	4	0	2
2039	8	10	5	0	2
2040	8	11	5	0	3
2041	9	12	6	0	3
2042	10	13	6	0	3
2043	10	14	6	0	3
2044	11	15	7	0	3
2045	12	16	7	0	4
2046	13	17	8	0	4
2047	14	18	8	0	4
2048	14	19	9	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
NOM	175	229	109	0	55
NPV	31	41	20	0	10

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	36	0	37	0	0	6	0	6	(31)	(31)
2015	0	0	0	0	0	0	1	13	0	14	14	(17)
2016	0	0	0	0	0	0	1	20	0	22	22	1
2017	0	0	0	0	0	0	1	17	0	18	18	16
2018	0	0	0	0	0	0	1	23	0	24	24	34
2019	0	0	0	0	0	7	1	32	0	40	40	62
2020	0	0	0	0	0	6	1	29	0	37	37	86
2021	0	0	0	0	0	6	1	28	0	34	34	107
2022	0	0	0	0	0	6	1	26	0	33	33	125
2023	0	0	0	0	0	6	1	26	1	34	34	143
2024	0	0	0	0	0	6	1	23	1	30	30	158
2025	0	1	47	0	48	6	1	28	1	36	(11)	152
2026	0	0	0	0	0	6	1	27	1	35	35	167
2027	0	0	0	0	0	6	1	25	1	33	33	180
2028	0	0	0	0	0	7	1	29	1	37	37	193
2029	0	0	0	0	0	6	1	22	1	30	30	203
2030	0	0	0	0	0	6	1	26	1	34	34	214
2031	0	0	0	0	0	6	1	27	1	35	35	224
2032	0	0	0	0	0	6	1	19	1	28	28	232
2033	0	0	0	0	0	6	1	28	1	36	36	241
2034	0	0	0	0	0	6	1	20	2	29	29	248
2035	0	0	0	0	0	6	1	18	2	27	27	254
2036	0	1	62	0	63	6	1	21	2	30	(33)	247
2037	0	0	0	0	0	6	1	22	2	31	31	253
2038	0	0	0	0	0	6	1	21	2	30	30	258
2039	0	0	0	0	0	6	1	19	2	29	29	263
2040	0	0	0	0	0	6	1	19	3	29	29	267
2041	0	0	0	0	0	6	1	21	3	30	30	271
2042	0	0	0	0	0	6	1	23	3	33	33	276
2043	0	0	0	0	0	6	1	22	3	33	33	280
2044	0	0	0	0	0	6	1	24	3	34	34	284
2045	0	0	0	0	0	6	1	23	4	34	34	287
2046	0	0	0	0	0	6	1	20	4	31	31	290
2047	0	1	81	0	82	6	1	21	4	32	(50)	286
2048	0	0	0	0	0	6	1	26	5	37	37	289
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	227	0	230	188	33	792	55	1,068	838	
NPV	0	1	77	0	78	55	13	289	10	367	289	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 4.69

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	6	0	6	0	12	36	0	0	36	(24)	(24)
2015	11	0	0	0	11	0	0	0	0	11	(13)
2016	12	0	0	0	12	0	0	0	0	12	(3)
2017	12	0	0	0	12	0	0	0	0	12	7
2018	13	0	0	0	13	0	0	0	0	13	17
2019	14	0	0	0	14	0	0	0	0	14	27
2020	15	0	0	0	15	0	0	0	0	15	36
2021	15	0	0	0	15	0	0	0	0	15	45
2022	15	0	0	0	15	0	0	0	0	15	54
2023	16	0	0	0	16	0	0	0	0	16	62
2024	16	0	0	0	16	0	0	0	0	16	69
2025	16	0	6	0	22	47	0	0	47	(25)	58
2026	16	0	0	0	16	0	0	0	0	16	65
2027	17	0	0	0	17	0	0	0	0	17	71
2028	17	0	0	0	17	0	0	0	0	17	78
2029	17	0	0	0	17	0	0	0	0	17	83
2030	18	0	0	0	18	0	0	0	0	18	89
2031	18	0	0	0	18	0	0	0	0	18	94
2032	19	0	0	0	19	0	0	0	0	19	99
2033	20	0	0	0	20	0	0	0	0	20	105
2034	21	0	0	0	21	0	0	0	0	21	110
2035	22	0	0	0	22	0	0	0	0	22	114
2036	23	0	6	0	30	62	0	0	62	(32)	108
2037	24	0	0	0	24	0	0	0	0	24	112
2038	25	0	0	0	25	0	0	0	0	25	117
2039	26	0	0	0	26	0	0	0	0	26	121
2040	27	0	0	0	27	0	0	0	0	27	125
2041	28	0	0	0	28	0	0	0	0	28	129
2042	29	0	0	0	29	0	0	0	0	29	133
2043	30	0	0	0	30	0	0	0	0	30	136
2044	32	0	0	0	32	0	0	0	0	32	140
2045	33	0	0	0	33	0	0	0	0	33	143
2046	34	0	0	0	34	0	0	0	0	34	147
2047	36	0	6	0	42	81	0	0	81	(39)	143
2048	37	0	0	0	37	0	0	0	0	37	146
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	730	0	25	0	755	227	0	0	227	529	
NPV	212	0	11	0	223	77	0	0	77	146	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	2.89	

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	1	6	5	0	12	6	0	0	0	6	(6)	(6)
2015	0	0	0	10	0	10	13	1	0	0	14	4	(3)
2016	0	0	0	10	0	10	20	1	0	0	22	11	7
2017	0	0	0	11	0	11	17	1	0	0	18	8	14
2018	0	0	0	12	0	12	23	1	0	0	24	12	23
2019	0	0	0	13	0	13	39	1	0	0	40	28	42
2020	0	0	0	13	0	13	35	1	0	0	37	24	57
2021	0	0	0	13	0	13	33	1	0	0	34	21	70
2022	0	0	0	14	0	14	32	1	0	0	33	19	81
2023	0	0	0	14	0	14	32	1	0	1	34	20	91
2024	0	0	0	14	0	14	29	1	0	1	30	16	99
2025	0	1	6	14	0	21	35	1	0	1	36	15	106
2026	0	0	0	14	0	14	33	1	0	1	35	21	115
2027	0	0	0	15	0	15	31	1	0	1	33	18	122
2028	0	0	0	15	0	15	35	1	0	1	37	22	130
2029	0	0	0	15	0	15	28	1	0	1	30	15	135
2030	0	0	0	16	0	16	32	1	0	1	34	19	141
2031	0	0	0	16	0	16	33	1	0	1	35	19	147
2032	0	0	0	17	0	17	26	1	0	1	28	11	150
2033	0	0	0	18	0	18	34	1	0	1	36	18	154
2034	0	0	0	18	0	18	26	1	0	2	29	11	157
2035	0	0	0	19	0	19	24	1	0	2	27	8	159
2036	0	1	6	20	0	27	27	1	0	2	30	3	159
2037	0	0	0	21	0	21	28	1	0	2	31	10	161
2038	0	0	0	22	0	22	27	1	0	2	30	8	162
2039	0	0	0	22	0	22	26	1	0	2	29	7	163
2040	0	0	0	23	0	23	25	1	0	3	29	6	164
2041	0	0	0	24	0	24	27	1	0	3	30	7	165
2042	0	0	0	25	0	25	30	1	0	3	33	9	166
2043	0	0	0	26	0	26	29	1	0	3	33	7	167
2044	0	0	0	27	0	27	30	1	0	3	34	7	168
2045	0	0	0	28	0	28	29	1	0	4	34	5	169
2046	0	0	0	29	0	29	27	1	0	4	31	2	169
2047	0	1	6	31	0	38	27	1	0	4	32	(6)	168
2048	0	0	0	32	0	32	32	1	0	5	37	5	169
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	25	635	0	663	980	33	0	55	1,068	405	
NPV	0	1	11	186	0	198	344	13	0	10	367	169	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.85

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	0.39	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	0.51283	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	1,763.49	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	***	%

page 2

* INPUT DATA – PART 1 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	1	0	0	1
2015	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	1	0	0	1
2020	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	1	0	0	1
2025	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	1	0	0	1
2030	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	1	0	0	1
2035	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	1	0	0	1
2040	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	1	0	0	1
2045	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	1	0	1	5	2	6	0	0	6
NPV	0	0	0	0	1	1	2	0	0	2

* 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: [redacted] 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	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	1
2023	0	0	0	0	0	0	0	0	0	0	0	0	1
2024	0	0	0	0	0	0	0	0	0	0	0	0	1
2025	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	0	0	0	0	0	0	0	0	0	0	0	1	1
2028	0	0	0	0	0	0	0	0	0	0	0	1	1
2029	0	0	0	0	0	0	0	0	0	0	0	1	1
2030	0	0	0	0	0	0	0	0	0	0	0	1	1
2031	0	0	0	0	0	0	0	0	0	0	0	1	1
2032	0	0	0	0	0	0	0	0	0	0	0	1	1
2033	0	0	0	0	0	0	0	0	0	0	0	1	1
2034	0	0	0	0	0	0	0	0	0	0	0	1	1
2035	0	0	0	0	0	0	0	0	0	0	0	1	1
2036	0	0	0	0	0	0	0	0	0	0	0	1	1
2037	0	0	0	0	0	0	0	0	0	0	0	1	1
2038	0	0	0	0	0	0	0	0	0	0	0	1	1
2039	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2040	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2041	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2042	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2043	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2044	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2045	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2046	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2047	0	0	0	0	0	0	0	0	(0)	0	0	1	1
2048	0	0	0	0	0	(0)	0	0	(0)	0	0	1	1

IN SERVICE COST	($000)	0
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2n OF 2

(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	0	0	0	0	0	0	0	0	0	0	0	0
2021	6.68%	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	6.18%	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	5.71%	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	5.29%	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	4.89%	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	4.52%	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	4.46%	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	2.23%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2040	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2041	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2042	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2043	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2044	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2045	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2046	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2047	0.00%	0	0	0	0	0	0	(0)	0	0	0	0	(0)	0
2048	0.00%	0	0	0	0	0	0	(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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] 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	0	0	(0)	0	0	0
2020	7.22%	0	0	0	0	0	0	0	0
2021	6.68%	0	0	0	0	0	0	0	0
2022	6.18%	0	0	0	0	0	0	0	0
2023	5.71%	0	0	0	0	0	0	0	0
2024	5.29%	0	0	0	0	0	0	0	0
2025	4.89%	0	0	0	0	0	0	0	0
2026	4.52%	0	0	0	0	0	0	0	0
2027	4.46%	0	0	0	0	0	0	0	0
2028	4.46%	0	0	0	0	0	0	0	0
2029	4.46%	0	0	0	0	0	0	0	0
2030	4.46%	0	0	0	0	0	0	0	0
2031	4.46%	0	0	0	0	0	0	0	0
2032	4.46%	0	0	0	0	0	0	0	0
2033	4.46%	0	0	0	0	0	0	0	0
2034	4.46%	0	0	0	0	0	0	0	0
2035	4.46%	0	0	0	0	0	0	0	0
2036	4.46%	0	0	0	0	0	0	0	0
2037	4.46%	0	0	0	0	0	0	0	0
2038	4.46%	0	0	0	0	0	0	0	0
2039	2.23%	0	(0)	0	0	0	0	0	0
2040	0.00%	0	(0)	0	0	0	0	0	0
2041	0.00%	0	(0)	0	0	0	0	0	0
2042	0.00%	0	(0)	0	0	0	0	0	0
2043	0.00%	0	(0)	0	0	0	0	0	0
2044	0.00%	0	(0)	0	0	0	0	0	0
2045	0.00%	0	(0)	0	0	0	0	0	0
2046	0.00%	0	(0)	0	0	0	0	0	0
2047	0.00%	0	(0)	0	0	0	0	0	0
2048	0.00%	0	(0)	(0)	0	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	1	1	3.60	4.26	4.22	0.00	1.00	1.00
2015	1	1	4.45	5.56	5.50	0.00	1.00	1.00
2016	1	1	4.92	6.58	6.45	0.00	1.00	1.00
2017	1	1	4.27	5.01	4.96	0.00	1.00	1.00
2018	1	1	5.27	6.36	6.29	0.00	1.00	1.00
2019	1	1	5.38	6.48	6.40	5.05	1.00	1.00
2020	1	1	5.65	6.90	6.80	5.04	1.00	1.00
2021	1	1	5.65	6.83	6.74	5.11	1.00	1.00
2022	1	1	5.60	6.61	6.55	5.07	1.00	1.00
2023	1	1	5.60	6.45	6.40	5.17	1.00	1.00
2024	1	1	5.81	6.64	6.60	5.46	1.00	1.00
2025	1	1	5.98	6.85	6.80	5.61	1.00	1.00
2026	1	1	5.73	6.45	6.41	5.73	1.00	1.00
2027	1	1	6.01	6.87	6.82	6.01	1.00	1.00
2028	1	1	6.07	6.84	6.79	6.10	1.00	1.00
2029	1	1	6.28	7.12	7.07	6.40	1.00	1.00
2030	1	1	6.34	7.06	7.01	6.40	1.00	1.00
2031	1	1	6.57	7.29	7.24	6.72	1.00	1.00
2032	1	1	6.62	7.22	7.18	6.79	1.00	1.00
2033	1	1	6.97	7.65	7.61	7.12	1.00	1.00
2034	1	1	7.05	7.66	7.62	7.32	1.00	1.00
2035	1	1	7.19	7.76	7.73	7.51	1.00	1.00
2036	1	1	7.47	8.08	8.04	7.70	1.00	1.00
2037	1	1	7.68	8.34	8.30	8.03	1.00	1.00
2038	1	1	7.94	8.59	8.55	8.32	1.00	1.00
2039	1	1	8.12	8.74	8.70	8.48	1.00	1.00
2040	1	1	8.35	8.97	8.92	8.85	1.00	1.00
2041	1	1	8.67	9.32	9.28	9.11	1.00	1.00
2042	1	1	8.99	9.70	9.65	9.45	1.00	1.00
2043	1	1	9.27	9.98	9.93	9.80	1.00	1.00
2044	1	1	9.60	10.30	10.26	10.24	1.00	1.00
2045	1	1	9.94	10.65	10.61	10.56	1.00	1.00
2046	1	1	10.25	10.91	10.87	10.91	1.00	1.00
2047	1	1	10.57	11.29	11.24	11.25	1.00	1.00
2048	1	1	11.00	11.76	11.71	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

*** 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	0	0	0	0	0	0
2020	0	0	0	0	0	0
2021	0	0	0	0	0	0
2022	0	0	0	0	0	0
2023	0	0	0	0	0	0
2024	0	0	0	0	0	0
2025	0	0	0	0	0	0
2026	0	0	0	0	0	0
2027	0	0	0	0	0	0
2028	0	0	0	0	0	0
2029	0	0	0	0	0	0
2030	0	0	0	0	0	0
2031	0	0	0	0	0	0
2032	0	0	0	0	0	0
2033	0	0	0	0	0	0
2034	0	0	0	0	0	0
2035	0	0	0	0	0	0
2036	0	0	0	0	0	0
2037	0	0	0	0	0	0
2038	0	0	0	0	0	0
2039	0	0	0	0	0	0
2040	0	0	0	0	0	0
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	1	0	9	9	2
NPV	1	0	0	2	2	1

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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	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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	5	0
NPV	0	0	0	0	0	0	2	0

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

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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	0	0	0	0
2025	0	0	0	0	0
2026	0	0	0	0	0
2027	0	0	0	0	0
2028	0	0	0	0	0
2029	0	0	0	0	0
2030	0	0	0	0	0
2031	0	0	0	0	0
2032	0	0	0	0	0
2033	0	0	0	0	0
2034	0	0	0	0	0
2035	0	0	0	0	0
2036	0	0	0	0	0
2037	0	0	0	0	0
2038	0	0	0	0	0
2039	0	0	0	0	0
2040	0	0	0	0	0
2041	0	0	0	0	0
2042	0	0	0	0	0
2043	0	0	0	0	0
2044	0	0	0	0	0
2045	0	0	0	0	0
2046	0	0	0	0	0
2047	0	0	0	0	0
2048	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	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	3	1	0	1
NPV	0	1	0	0	0

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	1	0	1	0	0	0	0	0	(1)	(1)
2015	0	0	0	0	0	0	0	0	0	0	0	(1)
2016	0	0	0	0	0	0	0	0	0	0	0	(0)
2017	0	0	0	0	0	0	0	0	0	0	0	(0)
2018	0	0	0	0	0	0	0	0	0	0	0	(0)
2019	0	0	1	0	1	0	0	0	0	0	(1)	(1)
2020	0	0	0	0	0	0	0	0	0	0	0	(0)
2021	0	0	0	0	0	0	0	0	0	0	0	(0)
2022	0	0	0	0	0	0	0	0	0	0	0	(0)
2023	0	0	0	0	0	0	0	0	0	0	0	(0)
2024	0	0	1	0	1	0	0	0	0	0	(1)	(0)
2025	0	0	0	0	0	0	0	0	0	0	0	(0)
2026	0	0	0	0	0	0	0	0	0	0	0	(0)
2027	0	0	0	0	0	0	0	0	0	0	0	(0)
2028	0	0	0	0	0	0	0	0	0	0	0	(0)
2029	0	0	1	0	1	0	0	0	0	0	(1)	(0)
2030	0	0	0	0	0	0	0	0	0	0	0	(0)
2031	0	0	0	0	0	0	0	0	0	0	0	(0)
2032	0	0	0	0	0	0	0	0	0	0	0	(0)
2033	0	0	0	0	0	0	0	0	0	0	0	(0)
2034	0	0	1	0	1	0	0	0	0	0	(1)	(0)
2035	0	0	0	0	0	0	0	0	0	0	0	(0)
2036	0	0	0	0	0	0	0	0	0	0	0	(0)
2037	0	0	0	0	0	0	0	0	0	0	0	(0)
2038	0	0	0	0	0	0	0	0	0	0	0	(0)
2039	0	0	1	0	1	0	0	0	0	0	(1)	(0)
2040	0	0	0	0	0	0	0	0	0	0	0	(0)
2041	0	0	0	0	0	0	0	0	0	0	0	(0)
2042	0	0	0	0	0	0	0	0	0	0	0	(0)
2043	0	0	0	0	0	0	0	0	0	0	0	(0)
2044	0	0	1	0	1	0	0	0	0	0	(1)	(0)
2045	0	0	0	0	0	0	0	0	0	0	0	(0)
2046	0	0	0	0	0	0	0	0	0	0	0	(0)
2047	0	0	0	0	0	0	0	0	0	0	0	(0)
2048	0	0	0	0	0	0	0	0	0	0	0	(0)
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	6	0	7	2	0	5	1	8	1	
NPV	0	0	2	0	2	1	0	2	0	2	(0)	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 0.96

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	1	0	0	1	(0)	(0)
2015	0	0	0	0	0	0	0	0	0	0	(0)
2016	0	0	0	0	0	0	0	0	0	0	(0)
2017	0	0	0	0	0	0	0	0	0	0	(0)
2018	0	0	0	0	0	0	0	0	0	0	(0)
2019	0	0	0	0	0	1	0	0	1	(0)	(0)
2020	0	0	0	0	0	0	0	0	0	0	(0)
2021	0	0	0	0	0	0	0	0	0	0	(0)
2022	0	0	0	0	0	0	0	0	0	0	(0)
2023	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	1	0	0	1	(1)	(0)
2025	0	0	0	0	0	0	0	0	0	0	(0)
2026	0	0	0	0	0	0	0	0	0	0	(0)
2027	0	0	0	0	0	0	0	0	0	0	(0)
2028	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	1	0	0	1	(1)	(0)
2030	0	0	0	0	0	0	0	0	0	0	(0)
2031	0	0	0	0	0	0	0	0	0	0	(0)
2032	0	0	0	0	0	0	0	0	0	0	(0)
2033	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	1	0	0	1	(1)	(0)
2035	0	0	0	0	0	0	0	0	0	0	(0)
2036	0	0	0	0	0	0	0	0	0	0	(0)
2037	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	1	0	0	1	(1)	(0)
2040	0	0	0	0	0	0	0	0	0	0	(0)
2041	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	1	0	0	1	(1)	0
2045	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	8	0	1	0	8	6	0	0	6	2	
NPV	2	0	0	0	2	2	0	0	2	0	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.07	

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RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 1

(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	0	0	0	0	0	0	0	0	0	(0)	(0)
2016	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2017	0	0	0	0	0	0	0	0	0	0	0	(0)	(0)
2018	0	0	0	0	0	0	0	0	0	0	0	(0)	(0)
2019	0	0	0	0	0	0	0	0	0	0	0	(0)	(0)
2020	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2021	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2022	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2023	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2024	0	0	0	0	0	0	0	0	0	0	0	(0)	(0)
2025	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2026	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2027	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	(0)	(0)
2030	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	(0)	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	(0)	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	(0)	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	(0)	0
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	7	0	8	7	0	0	1	8	0	
NPV	0	0	0	2	0	2	2	0	0	0	2	0	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.01

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	42.50	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	55.88361	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	192,192.27	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	***	%

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* INPUT DATA -- PART 1 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	9	0	9	4	3	82	0	0	82
2015	0	0	0	0	8	6	0	0	0	0
2016	0	0	0	0	9	6	0	0	0	0
2017	0	0	0	0	9	7	0	0	0	0
2018	0	0	0	0	10	7	0	0	0	0
2019	0	9	0	9	11	7	93	0	0	93
2020	0	0	0	0	11	8	0	0	0	0
2021	0	0	0	0	11	8	0	0	0	0
2022	0	0	0	0	11	8	0	0	0	0
2023	0	0	0	0	12	8	0	0	0	0
2024	0	9	0	9	12	8	105	0	0	105
2025	0	0	0	0	12	7	0	0	0	0
2026	0	0	0	0	13	7	0	0	0	0
2027	0	0	0	0	13	7	0	0	0	0
2028	0	0	0	0	14	7	0	0	0	0
2029	0	9	0	9	14	7	119	0	0	119
2030	0	0	0	0	15	7	0	0	0	0
2031	0	0	0	0	15	7	0	0	0	0
2032	0	0	0	0	16	8	0	0	0	0
2033	0	0	0	0	17	8	0	0	0	0
2034	0	9	0	9	18	8	135	0	0	135
2035	0	0	0	0	19	8	0	0	0	0
2036	0	0	0	0	20	8	0	0	0	0
2037	0	0	0	0	21	8	0	0	0	0
2038	0	0	0	0	22	8	0	0	0	0
2039	0	9	0	9	23	8	152	0	0	152
2040	0	0	0	0	23	8	0	0	0	0
2041	0	0	0	0	25	8	0	0	0	0
2042	0	0	0	0	26	8	0	0	0	0
2043	0	0	0	0	27	8	0	0	0	0
2044	1	9	0	9	29	8	172	0	0	172
2045	0	0	0	0	30	9	0	0	0	0
2046	0	0	0	0	32	9	0	0	0	0
2047	0	0	0	0	33	9	0	0	0	0
2048	0	0	0	0	35	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
NOM	3	61	0	64	617	267	858	0	0	858
NPV	1	26	0	27	169	94	313	0	0	313

* 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: [redacted] 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	52	1	0	3	2	1	0	2	0	9	9	9	52
2020	51	1	0	3	1	1	0	2	1	9	8	17	53
2021	48	1	0	3	1	1	0	2	1	9	7	25	54
2022	46	1	0	3	1	1	0	2	1	8	7	31	56
2023	43	1	0	3	1	1	0	2	0	8	6	37	57
2024	41	1	0	3	1	1	0	2	0	8	5	43	58
2025	39	1	0	2	1	1	0	2	0	7	5	47	60
2026	37	1	0	2	1	1	0	2	0	7	4	52	61
2027	35	1	0	2	1	1	0	2	0	7	4	55	63
2028	33	1	0	2	1	1	0	2	0	6	3	59	65
2029	31	1	0	2	1	1	0	2	0	6	3	62	66
2030	29	1	0	2	1	1	0	2	0	6	3	64	68
2031	27	1	0	2	1	1	0	2	0	6	2	67	70
2032	25	1	0	2	1	1	0	2	0	5	2	69	71
2033	23	0	0	1	1	0	0	2	0	5	2	71	73
2034	21	0	0	1	1	0	0	2	0	5	2	72	75
2035	19	0	0	1	1	0	0	2	0	5	1	74	77
2036	17	0	0	1	0	0	0	2	0	4	1	75	79
2037	15	0	0	1	0	0	0	2	0	4	1	76	81
2038	13	0	0	1	0	0	0	2	0	4	1	77	83
2039	11	0	0	1	1	0	0	2	(0)	4	1	78	85
2040	10	0	0	1	1	0	0	2	(1)	3	1	79	87
2041	9	0	0	1	1	0	0	2	(1)	3	1	79	89
2042	8	0	0	0	1	0	0	2	(1)	3	1	80	91
2043	7	0	0	0	1	0	0	2	(1)	3	0	80	93
2044	5	0	0	0	1	0	0	2	(1)	3	0	81	96
2045	4	0	0	0	1	0	0	2	(1)	2	0	81	98
2046	3	0	0	0	1	0	0	2	(1)	2	0	81	101
2047	2	0	0	0	1	0	0	2	(1)	2	0	82	103
2048	1	0	0	0	1	(0)	0	2	(1)	2	0	82	106

IN SERVICE COST	($000)	52
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	6	2	3	2	3	1	3	0	0	0	1	0
2021	6.68%	3	9	2	5	2	5	1	3	0	0	0	1	1
2022	6.18%	3	12	2	7	2	7	1	3	0	0	0	1	1
2023	5.71%	3	15	2	9	2	8	0	3	0	0	0	0	2
2024	5.29%	3	18	2	10	2	10	0	3	0	0	0	0	2
2025	4.89%	2	20	2	12	2	11	0	3	0	0	0	0	3
2026	4.52%	2	22	2	14	2	13	0	3	0	0	0	0	3
2027	4.46%	2	25	2	16	2	15	0	3	0	0	0	0	3
2028	4.46%	2	27	2	17	2	16	0	3	0	0	0	0	3
2029	4.46%	2	29	2	19	2	18	0	3	0	0	0	0	4
2030	4.46%	2	32	2	21	2	20	0	3	0	0	0	0	4
2031	4.46%	2	34	2	22	2	21	0	3	0	0	0	0	4
2032	4.46%	2	36	2	24	2	23	0	3	0	0	0	0	4
2033	4.46%	2	38	2	26	2	24	0	3	0	0	0	0	5
2034	4.46%	2	41	2	28	2	26	0	3	0	0	0	0	5
2035	4.46%	2	43	2	29	2	28	0	3	0	0	0	0	5
2036	4.46%	2	45	2	31	2	29	0	3	0	0	0	0	5
2037	4.46%	2	47	2	33	2	31	0	3	0	0	0	0	6
2038	4.46%	2	50	2	34	2	33	0	3	0	0	0	0	6
2039	2.23%	1	51	2	36	2	34	(0)	3	0	0	0	(0)	6
2040	0.00%	0	51	2	38	2	36	(1)	3	0	0	0	(1)	5
2041	0.00%	0	51	2	40	2	38	(1)	3	0	0	0	(1)	4
2042	0.00%	0	51	2	41	2	39	(1)	3	0	0	0	(1)	4
2043	0.00%	0	51	2	43	2	41	(1)	3	0	0	0	(1)	3
2044	0.00%	0	51	2	45	2	42	(1)	3	0	0	0	(1)	3
2045	0.00%	0	51	2	47	2	44	(1)	3	0	0	0	(1)	2
2046	0.00%	0	51	2	48	2	46	(1)	3	0	0	0	(1)	1
2047	0.00%	0	51	2	50	2	47	(1)	3	0	0	0	(1)	1
2048	0.00%	0	51	2	52	2	49	(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: [redacted] 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	50	2	(1)	52	51	51
2020	7.22%	4	1	48	3	0	51	48	49
2021	6.68%	3	1	47	5	1	48	46	47
2022	6.18%	3	1	45	7	1	46	43	45
2023	5.71%	3	0	43	9	2	43	41	42
2024	5.29%	3	0	41	10	2	41	39	40
2025	4.89%	2	0	40	12	3	39	37	38
2026	4.52%	2	0	38	14	3	37	35	36
2027	4.46%	2	0	36	16	3	35	33	34
2028	4.46%	2	0	34	17	3	33	31	32
2029	4.46%	2	0	33	19	4	31	29	30
2030	4.46%	2	0	31	21	4	29	27	28
2031	4.46%	2	0	29	22	4	27	25	26
2032	4.46%	2	0	28	24	4	25	23	24
2033	4.46%	2	0	26	26	5	23	21	22
2034	4.46%	2	0	24	28	5	21	19	20
2035	4.46%	2	0	22	29	5	19	17	18
2036	4.46%	2	0	21	31	5	17	15	16
2037	4.46%	2	0	19	33	6	15	13	14
2038	4.46%	2	0	17	34	6	13	11	12
2039	2.23%	1	(0)	16	36	6	11	10	11
2040	0.00%	0	(1)	14	38	5	10	9	9
2041	0.00%	0	(1)	12	40	4	9	8	8
2042	0.00%	0	(1)	10	41	4	8	7	7
2043	0.00%	0	(1)	9	43	3	7	5	6
2044	0.00%	0	(1)	7	45	3	5	4	5
2045	0.00%	0	(1)	5	47	2	4	3	4
2046	0.00%	0	(1)	3	48	1	3	2	3
2047	0.00%	0	(1)	2	50	1	2	1	2
2048	0.00%	0	(1)	(0)	52	0	1	0	1

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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	7.07	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

* 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	9	4	0	11	14	10
2020	9	4	0	19	24	8
2021	9	4	0	19	24	8
2022	8	4	0	20	24	9
2023	8	4	0	21	24	9
2024	8	4	0	22	25	9
2025	7	4	0	22	26	9
2026	7	4	0	22	25	9
2027	7	4	0	23	26	9
2028	6	5	0	24	26	9
2029	6	5	0	25	28	9
2030	6	5	0	26	28	9
2031	6	5	0	27	29	9
2032	5	5	0	28	30	9
2033	5	5	0	29	31	8
2034	5	5	0	30	32	9
2035	5	5	0	31	33	9
2036	4	6	0	32	34	9
2037	4	6	1	34	35	9
2038	4	6	1	35	37	8
2039	4	6	1	36	37	9
2040	3	6	1	38	39	9
2041	3	6	1	39	40	9
2042	3	7	1	40	42	9
2043	3	7	1	42	43	9
2044	3	7	1	44	45	9
2045	2	7	1	45	46	9
2046	2	7	1	47	48	9
2047	2	7	1	48	49	9
2048	2	8	1	50	52	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
NOM	155	162	14	928	996	262
NPV	57	42	4	222	248	77

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	7	0
2015	1	0	2	0	0	0	16	0
2016	1	0	2	0	0	0	26	0
2017	1	0	2	0	0	0	22	0
2018	1	0	1	0	0	0	29	0
2019	1	0	1	0	0	0	41	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	33	0
2023	1	0	1	0	0	0	33	0
2024	1	0	1	0	0	0	29	0
2025	1	0	1	0	0	0	37	0
2026	1	0	1	0	0	0	34	0
2027	1	0	1	0	0	0	32	0
2028	1	0	1	0	0	0	37	0
2029	1	0	1	0	0	0	28	0
2030	1	0	1	0	0	0	33	0
2031	1	0	1	0	0	0	35	0
2032	1	0	1	0	0	0	25	0
2033	1	0	1	0	0	0	36	0
2034	1	0	1	0	0	0	26	0
2035	1	0	1	0	0	0	23	0
2036	1	0	1	0	0	0	27	0
2037	1	0	1	0	0	0	28	0
2038	1	0	1	0	0	0	26	0
2039	1	0	1	0	0	0	25	0
2040	1	0	1	0	0	0	25	0
2041	1	0	1	0	0	0	26	0
2042	0	0	1	0	0	0	30	0
2043	0	0	1	0	0	0	29	0
2044	0	0	1	0	0	0	31	0
2045	0	0	1	0	0	0	29	0
2046	0	0	1	0	0	0	26	0
2047	0	0	1	0	0	0	27	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
NOM.	27	11	37	3	5	9	1,018	0
NPV	12	3	15	2	2	3	371	0

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

page 8a

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	2	1	0	0
2023	3	4	1	0	1
2024	3	4	2	0	1
2025	3	4	2	0	1
2026	3	4	2	0	1
2027	4	5	2	0	1
2028	4	5	2	0	1
2029	4	6	3	0	1
2030	5	6	3	0	1
2031	5	7	3	0	1
2032	6	8	3	0	2
2033	7	9	4	0	2
2034	7	9	4	0	2
2035	8	10	4	0	2
2036	8	11	5	0	2
2037	9	12	5	0	2
2038	10	13	6	0	3
2039	11	14	6	0	3
2040	12	15	7	0	3
2041	13	16	7	0	3
2042	14	18	8	0	4
2043	15	19	8	0	4
2044	16	20	9	0	4
2045	17	22	10	0	4
2046	18	23	10	0	5
2047	19	25	11	0	5
2048	20	26	12	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
NOM	244	320	140	0	65
NPV	44	57	25	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	82	0	82	0	0	7	0	8	(75)	(75)
2015	0	0	0	0	0	0	2	16	0	18	18	(58)
2016	0	0	0	0	0	0	2	26	0	28	28	(33)
2017	0	0	0	0	0	0	2	22	0	24	24	(14)
2018	0	0	0	0	0	0	2	29	0	31	31	9
2019	0	0	93	0	93	10	2	41	0	53	(40)	(19)
2020	0	0	0	0	0	8	2	38	0	48	48	12
2021	0	0	0	0	0	8	2	35	0	45	45	39
2022	0	0	0	0	0	9	2	33	0	43	43	63
2023	0	0	0	0	0	9	2	33	1	44	44	86
2024	0	0	105	0	105	9	2	29	1	40	(66)	55
2025	0	0	0	0	0	9	1	37	1	48	48	76
2026	0	0	0	0	0	9	1	34	1	46	46	95
2027	0	0	0	0	0	9	1	32	1	43	43	112
2028	0	0	0	0	0	9	1	37	1	48	48	129
2029	0	0	119	0	119	9	1	28	1	39	(80)	102
2030	0	0	0	0	0	9	1	33	1	45	45	116
2031	0	0	0	0	0	9	1	35	1	46	46	130
2032	0	0	0	0	0	9	1	25	2	37	37	140
2033	0	0	0	0	0	8	1	36	2	47	47	152
2034	0	0	135	0	135	9	1	26	2	38	(97)	129
2035	0	0	0	0	0	9	1	23	2	35	35	136
2036	0	0	0	0	0	9	1	27	2	39	39	144
2037	0	0	0	0	0	9	1	28	2	40	40	152
2038	0	0	0	0	0	8	1	26	3	39	39	159
2039	0	0	152	0	153	9	1	25	3	38	(115)	140
2040	0	0	0	0	0	9	1	25	3	38	38	146
2041	0	0	0	0	0	9	1	26	3	40	40	151
2042	0	0	0	0	0	9	1	30	4	43	43	157
2043	0	0	0	0	0	9	1	29	4	42	42	162
2044	0	1	172	0	173	9	1	31	4	45	(128)	148
2045	0	0	0	0	0	9	1	29	4	44	44	152
2046	0	0	0	0	0	9	1	26	5	41	41	156
2047	0	0	0	0	0	9	1	27	5	42	42	160
2048	0	0	0	0	0	9	1	33	5	48	48	164
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	858	0	861	262	46	1,018	65	1,391	531	
NPV	0	1	313	0	314	77	19	371	12	478	164	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.52

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	9	0	9	0	17	82	0	0	82	(65)	(65)
2015	16	0	0	0	16	0	0	0	0	16	(49)
2016	17	0	0	0	17	0	0	0	0	17	(35)
2017	17	0	0	0	17	0	0	0	0	17	(21)
2018	19	0	0	0	19	0	0	0	0	19	(7)
2019	20	0	9	0	29	93	0	0	93	(64)	(52)
2020	21	0	0	0	21	0	0	0	0	21	(38)
2021	21	0	0	0	21	0	0	0	0	21	(26)
2022	22	0	0	0	22	0	0	0	0	22	(13)
2023	22	0	0	0	22	0	0	0	0	22	(2)
2024	22	0	9	0	31	105	0	0	105	(74)	(38)
2025	22	0	0	0	22	0	0	0	0	22	(28)
2026	23	0	0	0	23	0	0	0	0	23	(18)
2027	23	0	0	0	23	0	0	0	0	23	(9)
2028	24	0	0	0	24	0	0	0	0	24	(1)
2029	24	0	9	0	33	119	0	0	119	(86)	(30)
2030	25	0	0	0	25	0	0	0	0	25	(22)
2031	25	0	0	0	25	0	0	0	0	25	(14)
2032	27	0	0	0	27	0	0	0	0	27	(7)
2033	28	0	0	0	28	0	0	0	0	28	(0)
2034	29	0	9	0	38	135	0	0	135	(96)	(23)
2035	30	0	0	0	30	0	0	0	0	30	(16)
2036	32	0	0	0	32	0	0	0	0	32	(10)
2037	33	0	0	0	33	0	0	0	0	33	(3)
2038	34	0	0	0	34	0	0	0	0	34	3
2039	35	0	9	0	44	152	0	0	152	(108)	(15)
2040	36	0	0	0	36	0	0	0	0	36	(9)
2041	38	0	0	0	38	0	0	0	0	38	(4)
2042	39	0	0	0	39	0	0	0	0	39	1
2043	41	0	0	0	41	0	0	0	0	41	6
2044	43	0	9	0	52	172	0	0	172	(120)	(7)
2045	45	0	0	0	45	0	0	0	0	45	(3)
2046	47	0	0	0	47	0	0	0	0	47	2
2047	49	0	0	0	49	0	0	0	0	49	6
2048	51	0	0	0	51	0	0	0	0	51	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	
NOM	1,011	0	61	0	1,072	858	0	0	858	214	
NPV	297	0	26	0	324	313	0	0	313	11	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	**1.03**	

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	9	8	0	17	7	0	0	0	8	(9)	(9)
2015	0	0	0	15	0	15	16	2	0	0	18	4	(6)
2016	0	0	0	15	0	15	26	2	0	0	28	13	6
2017	0	0	0	16	0	16	22	2	0	0	24	8	12
2018	0	0	0	17	0	17	29	2	0	0	31	14	23
2019	0	0	9	18	0	27	51	2	0	0	53	26	41
2020	0	0	0	18	0	18	46	2	0	0	48	30	60
2021	0	0	0	19	0	19	43	2	0	0	45	26	76
2022	0	0	0	20	0	20	41	2	0	0	43	24	89
2023	0	0	0	19	0	19	42	2	0	1	44	25	102
2024	0	0	9	20	0	29	38	2	0	1	40	11	107
2025	0	0	0	20	0	20	45	1	0	1	48	28	120
2026	0	0	0	20	0	20	43	1	0	1	46	25	130
2027	0	0	0	21	0	21	41	1	0	1	43	23	139
2028	0	0	0	21	0	21	46	1	0	1	48	27	149
2029	0	0	9	21	0	31	37	1	0	1	39	9	152
2030	0	0	0	22	0	22	42	1	0	1	45	23	159
2031	0	0	0	22	0	22	43	1	0	1	46	24	166
2032	0	0	0	23	0	23	34	1	0	2	37	13	170
2033	0	0	0	25	0	25	44	1	0	2	47	22	175
2034	0	0	9	26	0	35	35	1	0	2	38	3	176
2035	0	0	0	26	0	26	32	1	0	2	35	8	178
2036	0	0	0	28	0	28	36	1	0	2	39	11	180
2037	0	0	0	29	0	29	37	1	0	2	40	11	182
2038	0	0	0	30	0	30	35	1	0	3	39	9	184
2039	0	0	9	31	0	40	34	1	0	3	38	(2)	184
2040	0	0	0	32	0	32	33	1	0	3	38	6	184
2041	0	0	0	33	0	33	35	1	0	3	40	7	185
2042	0	0	0	34	0	34	39	1	0	4	43	9	187
2043	0	0	0	36	0	36	37	1	0	4	42	7	187
2044	0	1	9	37	0	46	39	1	0	4	45	(2)	187
2045	0	0	0	39	0	39	38	1	0	4	44	5	188
2046	0	0	0	40	0	40	35	1	0	5	41	1	188
2047	0	0	0	42	0	42	36	1	0	5	42	0	188
2048	0	0	0	44	0	44	42	1	0	5	48	5	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	
NOM.	0	3	61	885	0	948	1,281	46	0	65	1,391	443	
NPV	0	1	26	263	0	290	448	19	0	12	478	188	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.65

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	7.98	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	10.48664	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	36,064.63	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	***	%

page 2

* INPUT DATA – PART 1 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	2	0	2	1	1	7	0	0	7
2015	0	0	0	0	2	1	0	0	0	0
2016	0	0	0	0	2	1	0	0	0	0
2017	0	0	0	0	2	1	0	0	0	0
2018	0	0	0	0	2	1	0	0	0	0
2019	0	2	0	2	2	1	7	0	0	7
2020	0	0	0	0	2	1	0	0	0	0
2021	0	0	0	0	2	1	0	0	0	0
2022	0	0	0	0	2	1	0	0	0	0
2023	0	0	0	0	2	1	0	0	0	0
2024	0	2	0	2	3	1	8	0	0	8
2025	0	0	0	0	3	1	0	0	0	0
2026	0	0	0	0	3	1	0	0	0	0
2027	0	0	0	0	3	1	0	0	0	0
2028	0	0	0	0	3	1	0	0	0	0
2029	0	2	0	2	3	1	9	0	0	9
2030	0	0	0	0	3	1	0	0	0	0
2031	0	0	0	0	3	1	0	0	0	0
2032	0	0	0	0	3	1	0	0	0	0
2033	0	0	0	0	3	1	0	0	0	0
2034	0	2	0	2	4	1	11	0	0	11
2035	0	0	0	0	4	1	0	0	0	0
2036	0	0	0	0	4	1	0	0	0	0
2037	0	0	0	0	4	1	0	0	0	0
2038	0	0	0	0	4	1	0	0	0	0
2039	0	2	0	2	5	1	12	0	0	12
2040	0	0	0	0	5	1	0	0	0	0
2041	0	0	0	0	5	1	0	0	0	0
2042	0	0	0	0	5	1	0	0	0	0
2043	0	0	0	0	5	1	0	0	0	0
2044	0	2	0	2	6	1	14	0	0	14
2045	0	0	0	0	6	1	0	0	0	0
2046	0	0	0	0	6	1	0	0	0	0
2047	0	0	0	0	7	1	0	0	0	0
2048	0	0	0	0	7	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
	0	0	0	0	0	0	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	11	0	13	124	44	68	0	0	68
NPV	1	5	0	6	34	15	25	0	0	25

* 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: [redacted] 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	10	0	0	1	0	0	0	0	0	2	2	2	10
2020	9	0	0	1	0	0	0	0	0	2	2	3	10
2021	9	0	0	1	0	0	0	0	0	2	1	5	10
2022	9	0	0	1	0	0	0	0	0	2	1	6	10
2023	8	0	0	1	0	0	0	0	0	1	1	7	11
2024	8	0	0	0	0	0	0	0	0	1	1	8	11
2025	7	0	0	0	0	0	0	0	0	1	1	9	11
2026	7	0	0	0	0	0	0	0	0	1	1	10	12
2027	7	0	0	0	0	0	0	0	0	1	1	10	12
2028	6	0	0	0	0	0	0	0	0	1	1	11	12
2029	6	0	0	0	0	0	0	0	0	1	1	12	12
2030	5	0	0	0	0	0	0	0	0	1	1	12	13
2031	5	0	0	0	0	0	0	0	0	1	0	13	13
2032	5	0	0	0	0	0	0	0	0	1	0	13	13
2033	4	0	0	0	0	0	0	0	0	1	0	13	14
2034	4	0	0	0	0	0	0	0	0	1	0	14	14
2035	4	0	0	0	0	0	0	0	0	1	0	14	14
2036	3	0	0	0	0	0	0	0	0	1	0	14	15
2037	3	0	0	0	0	0	0	0	0	1	0	14	15
2038	3	0	0	0	0	0	0	0	0	1	0	14	16
2039	2	0	0	0	0	0	0	0	(0)	1	0	15	16
2040	2	0	0	0	0	0	0	0	(0)	1	0	15	16
2041	2	0	0	0	0	0	0	0	(0)	1	0	15	17
2042	1	0	0	0	0	0	0	0	(0)	1	0	15	17
2043	1	0	0	0	0	0	0	0	(0)	1	0	15	18
2044	1	0	0	0	0	0	0	0	(0)	0	0	15	18
2045	1	0	0	0	0	0	0	0	(0)	0	0	15	18
2046	1	0	0	0	0	0	0	0	(0)	0	0	15	19
2047	0	0	0	0	0	0	0	0	(0)	0	0	15	19
2048	0	0	0	0	0	(0)	0	0	(0)	0	0	15	20

IN SERVICE COST	($000)	10
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	2	0	1	0	1	0	1	0	0	0	0	0
2023	5.71%	1	3	0	2	0	2	0	1	0	0	0	0	0
2024	5.29%	1	3	0	2	0	2	0	1	0	0	0	0	0
2025	4.89%	0	4	0	2	0	2	0	1	0	0	0	0	0
2026	4.52%	0	4	0	3	0	2	0	1	0	0	0	0	1
2027	4.46%	0	5	0	3	0	3	0	1	0	0	0	0	1
2028	4.46%	0	5	0	3	0	3	0	1	0	0	0	0	1
2029	4.46%	0	5	0	4	0	3	0	1	0	0	0	0	1
2030	4.46%	0	6	0	4	0	4	0	1	0	0	0	0	1
2031	4.46%	0	6	0	4	0	4	0	1	0	0	0	0	1
2032	4.46%	0	7	0	5	0	4	0	1	0	0	0	0	1
2033	4.46%	0	7	0	5	0	5	0	1	0	0	0	0	1
2034	4.46%	0	8	0	5	0	5	0	1	0	0	0	0	1
2035	4.46%	0	8	0	5	0	5	0	1	0	0	0	0	1
2036	4.46%	0	8	0	6	0	6	0	1	0	0	0	0	1
2037	4.46%	0	9	0	6	0	6	0	1	0	0	0	0	1
2038	4.46%	0	9	0	6	0	6	0	1	0	0	0	0	1
2039	2.23%	0	10	0	7	0	6	(0)	1	0	0	0	(0)	1
2040	0.00%	0	10	0	7	0	7	(0)	1	0	0	0	(0)	1
2041	0.00%	0	10	0	7	0	7	(0)	1	0	0	0	(0)	1
2042	0.00%	0	10	0	8	0	7	(0)	1	0	0	0	(0)	1
2043	0.00%	0	10	0	8	0	8	(0)	1	0	0	0	(0)	1
2044	0.00%	0	10	0	8	0	8	(0)	1	0	0	0	(0)	0
2045	0.00%	0	10	0	9	0	8	(0)	1	0	0	0	(0)	0
2046	0.00%	0	10	0	9	0	9	(0)	1	0	0	0	(0)	0
2047	0.00%	0	10	0	9	0	9	(0)	1	0	0	0	(0)	0
2048	0.00%	0	10	0	10	0	9	(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: [redacted] 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	9	0	(0)	10	9	10
2020	7.22%	1	0	9	1	0	9	9	9
2021	6.68%	1	0	9	1	0	9	9	9
2022	6.18%	1	0	8	1	0	9	8	8
2023	5.71%	1	0	8	2	0	8	8	8
2024	5.29%	1	0	8	2	0	8	7	8
2025	4.89%	0	0	7	2	0	7	7	7
2026	4.52%	0	0	7	3	1	7	7	7
2027	4.46%	0	0	7	3	1	7	6	6
2028	4.46%	0	0	6	3	1	6	6	6
2029	4.46%	0	0	6	4	1	6	5	6
2030	4.46%	0	0	6	4	1	5	5	5
2031	4.46%	0	0	5	4	1	5	5	5
2032	4.46%	0	0	5	5	1	5	4	5
2033	4.46%	0	0	5	5	1	4	4	4
2034	4.46%	0	0	5	5	1	4	4	4
2035	4.46%	0	0	4	5	1	4	3	3
2036	4.46%	0	0	4	6	1	3	3	3
2037	4.46%	0	0	4	6	1	3	3	3
2038	4.46%	0	0	3	6	1	3	2	2
2039	2.23%	0	(0)	3	7	1	2	2	2
2040	0.00%	0	(0)	3	7	1	2	2	2
2041	0.00%	0	(0)	2	7	1	2	1	2
2042	0.00%	0	(0)	2	8	1	1	1	1
2043	0.00%	0	(0)	2	8	1	1	1	1
2044	0.00%	0	(0)	1	8	0	1	1	1
2045	0.00%	0	(0)	1	9	0	1	1	1
2046	0.00%	0	(0)	1	9	0	1	0	1
2047	0.00%	0	(0)	0	9	0	0	0	0
2048	0.00%	0	(0)	(0)	10	0	0	0	0

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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	6.56	3.66	0.00	1.00	1.00
2015	1	1	4.45	6.96	4.56	0.00	1.00	1.00
2016	1	1	4.92	11.54	5.05	0.00	1.00	1.00
2017	1	1	4.27	8.85	4.34	0.00	1.00	1.00
2018	1	1	5.27	13.32	5.36	0.00	1.00	1.00
2019	1	1	5.38	14.12	5.47	5.05	1.00	1.00
2020	1	1	5.65	13.90	5.75	5.04	1.00	1.00
2021	1	1	5.65	13.92	5.75	5.11	1.00	1.00
2022	1	1	5.60	12.94	5.69	5.07	1.00	1.00
2023	1	1	5.60	11.70	5.68	5.17	1.00	1.00
2024	1	1	5.81	11.30	5.89	5.46	1.00	1.00
2025	1	1	5.98	12.09	6.07	5.61	1.00	1.00
2026	1	1	5.73	10.19	5.81	5.73	1.00	1.00
2027	1	1	6.01	11.97	6.11	6.01	1.00	1.00
2028	1	1	6.07	10.43	6.16	6.10	1.00	1.00
2029	1	1	6.28	10.47	6.38	6.40	1.00	1.00
2030	1	1	6.34	9.99	6.43	6.40	1.00	1.00
2031	1	1	6.57	10.71	6.65	6.72	1.00	1.00
2032	1	1	6.62	9.10	6.68	6.79	1.00	1.00
2033	1	1	6.97	10.94	7.02	7.12	1.00	1.00
2034	1	1	7.05	9.56	7.10	7.32	1.00	1.00
2035	1	1	7.19	9.23	7.24	7.51	1.00	1.00
2036	1	1	7.47	9.97	7.51	7.70	1.00	1.00
2037	1	1	7.68	10.45	7.74	8.03	1.00	1.00
2038	1	1	7.94	10.48	7.99	8.32	1.00	1.00
2039	1	1	8.12	10.32	8.17	8.48	1.00	1.00
2040	1	1	8.35	10.60	8.40	8.85	1.00	1.00
2041	1	1	8.67	11.07	8.71	9.11	1.00	1.00
2042	1	1	8.99	11.86	9.04	9.45	1.00	1.00
2043	1	1	9.27	11.94	9.32	9.80	1.00	1.00
2044	1	1	9.60	12.56	9.65	10.24	1.00	1.00
2045	1	1	9.94	12.62	10.00	10.56	1.00	1.00
2046	1	1	10.25	12.45	10.30	10.91	1.00	1.00
2047	1	1	10.57	13.04	10.62	11.25	1.00	1.00
2048	1	1	11.00	14.14	11.06	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

*** 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	2	1	0	2	3	2
2020	2	1	0	4	4	2
2021	2	1	0	4	4	2
2022	2	1	0	4	4	2
2023	1	1	0	4	5	2
2024	1	1	0	4	5	2
2025	1	1	0	4	5	2
2026	1	1	0	4	5	2
2027	1	1	0	4	5	2
2028	1	1	0	5	5	2
2029	1	1	0	5	5	2
2030	1	1	0	5	5	2
2031	1	1	0	5	5	2
2032	1	1	0	5	6	2
2033	1	1	0	5	6	2
2034	1	1	0	6	6	2
2035	1	1	0	6	6	2
2036	1	1	0	6	6	2
2037	1	1	0	6	7	2
2038	1	1	0	7	7	2
2039	1	1	0	7	7	2
2040	1	1	0	7	7	2
2041	1	1	0	7	8	2
2042	1	1	0	8	8	2
2043	1	1	0	8	8	2
2044	0	1	0	8	8	2
2045	0	1	0	8	9	2
2046	0	1	0	9	9	2
2047	0	1	0	9	9	2
2048	0	1	0	9	10	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
NOM	29	30	3	174	187	49
NPV	11	8	1	42	47	14

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	1	0
2015	0	0	0	0	0	0	3	0
2016	0	0	0	0	0	0	5	0
2017	0	0	0	0	0	0	4	0
2018	0	0	0	0	0	0	5	0
2019	0	0	0	0	0	0	6	0
2020	0	0	0	0	0	0	6	0
2021	0	0	0	0	0	0	6	0
2022	0	0	0	0	0	0	5	0
2023	0	0	0	0	0	0	5	0
2024	0	0	0	0	0	0	4	0
2025	0	0	0	0	0	0	5	0
2026	0	0	0	0	0	0	4	0
2027	0	0	0	0	0	0	5	0
2028	0	0	0	0	0	0	4	0
2029	0	0	0	0	0	0	4	0
2030	0	0	0	0	0	0	4	0
2031	0	0	0	0	0	0	4	0
2032	0	0	0	0	0	0	3	0
2033	0	0	0	0	0	0	4	0
2034	0	0	0	0	0	0	4	0
2035	0	0	0	0	0	0	3	0
2036	0	0	0	0	0	0	4	0
2037	0	0	0	0	0	0	4	0
2038	0	0	0	0	0	0	4	0
2039	0	0	0	0	0	0	4	0
2040	0	0	0	0	0	0	4	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	5	0
2044	0	0	0	0	0	0	5	0
2045	0	0	0	0	0	0	5	0
2046	0	0	0	0	0	0	5	0
2047	0	0	0	0	0	0	5	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
NOM.	5	2	7	1	1	2	151	0
NPV	2	1	3	0	0	1	55	0

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

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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	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	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	2	1	0	0
2034	1	2	1	0	0
2035	1	2	1	0	0
2036	2	2	1	0	0
2037	2	2	1	0	0
2038	2	2	1	0	0
2039	2	3	1	0	1
2040	2	3	1	0	1
2041	2	3	1	0	1
2042	3	3	1	0	1
2043	3	4	2	0	1
2044	3	4	2	0	1
2045	3	4	2	0	1
2046	3	4	2	0	1
2047	4	5	2	0	1
2048	4	5	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
NOM	46	60	26	0	12
NPV	8	11	5	0	2

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	7	0	7	0	0	1	0	1	(5)	(5)
2015	0	0	0	0	0	0	0	3	0	3	3	(3)
2016	0	0	0	0	0	0	0	5	0	5	5	2
2017	0	0	0	0	0	0	0	4	0	4	4	5
2018	0	0	0	0	0	0	0	5	0	6	6	9
2019	0	0	7	0	8	2	0	6	0	8	0	9
2020	0	0	0	0	0	2	0	6	0	8	8	14
2021	0	0	0	0	0	2	0	6	0	7	7	19
2022	0	0	0	0	0	2	0	5	0	7	7	23
2023	0	0	0	0	0	2	0	5	0	7	7	26
2024	0	0	8	0	9	2	0	4	0	6	(2)	25
2025	0	0	0	0	0	2	0	5	0	7	7	28
2026	0	0	0	0	0	2	0	4	0	6	6	31
2027	0	0	0	0	0	2	0	5	0	7	7	34
2028	0	0	0	0	0	2	0	4	0	6	6	36
2029	0	0	9	0	10	2	0	4	0	6	(4)	35
2030	0	0	0	0	0	2	0	4	0	6	6	37
2031	0	0	0	0	0	2	0	4	0	6	6	38
2032	0	0	0	0	0	2	0	3	0	6	6	40
2033	0	0	0	0	0	2	0	4	0	6	6	41
2034	0	0	11	0	11	2	0	4	0	6	(5)	40
2035	0	0	0	0	0	2	0	3	0	6	6	42
2036	0	0	0	0	0	2	0	4	0	6	6	43
2037	0	0	0	0	0	2	0	4	0	6	6	44
2038	0	0	0	0	0	2	0	4	0	6	6	45
2039	0	0	12	0	12	2	0	4	1	6	(6)	44
2040	0	0	0	0	0	2	0	4	1	6	6	45
2041	0	0	0	0	0	2	0	4	1	7	7	46
2042	0	0	0	0	0	2	0	4	1	7	7	47
2043	0	0	0	0	0	2	0	5	1	7	7	48
2044	0	0	14	0	14	2	0	5	1	7	(7)	47
2045	0	0	0	0	0	2	0	5	1	7	7	48
2046	0	0	0	0	0	2	0	5	1	7	7	48
2047	0	0	0	0	0	2	0	5	1	8	8	49
2048	0	0	0	0	0	2	0	5	1	8	8	50
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	68	0	70	49	9	151	12	221	151	
NPV	0	1	25	0	26	14	3	55	2	75	50	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.95

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	2	0	2	0	3	7	0	0	7	(3)	(3)
2015	3	0	0	0	3	0	0	0	0	3	(0)
2016	3	0	0	0	3	0	0	0	0	3	2
2017	3	0	0	0	3	0	0	0	0	3	5
2018	4	0	0	0	4	0	0	0	0	4	8
2019	4	0	2	0	5	7	0	0	7	(2)	6
2020	4	0	0	0	4	0	0	0	0	4	9
2021	4	0	0	0	4	0	0	0	0	4	11
2022	4	0	0	0	4	0	0	0	0	4	14
2023	4	0	0	0	4	0	0	0	0	4	16
2024	4	0	2	0	6	8	0	0	8	(2)	15
2025	4	0	0	0	4	0	0	0	0	4	17
2026	4	0	0	0	4	0	0	0	0	4	18
2027	4	0	0	0	4	0	0	0	0	4	20
2028	5	0	0	0	5	0	0	0	0	5	22
2029	5	0	2	0	6	9	0	0	9	(3)	21
2030	5	0	0	0	5	0	0	0	0	5	22
2031	5	0	0	0	5	0	0	0	0	5	24
2032	5	0	0	0	5	0	0	0	0	5	25
2033	5	0	0	0	5	0	0	0	0	5	26
2034	6	0	2	0	7	11	0	0	11	(3)	26
2035	6	0	0	0	6	0	0	0	0	6	27
2036	6	0	0	0	6	0	0	0	0	6	28
2037	6	0	0	0	6	0	0	0	0	6	29
2038	7	0	0	0	7	0	0	0	0	7	31
2039	7	0	2	0	8	12	0	0	12	(4)	30
2040	7	0	0	0	7	0	0	0	0	7	31
2041	7	0	0	0	7	0	0	0	0	7	32
2042	8	0	0	0	8	0	0	0	0	8	33
2043	8	0	0	0	8	0	0	0	0	8	34
2044	8	0	2	0	10	14	0	0	14	(4)	33
2045	9	0	0	0	9	0	0	0	0	9	34
2046	9	0	0	0	9	0	0	0	0	9	35
2047	9	0	0	0	9	0	0	0	0	9	36
2048	10	0	0	0	10	0	0	0	0	10	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	
NOM	194	0	11	0	205	68	0	0	68	137	
NPV	57	0	5	0	62	25	0	0	25	37	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	2.48	

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	2	1	0	3	1	0	0	0	1	(2)	(2)
2015	0	0	0	3	0	3	3	0	0	0	3	0	(2)
2016	0	0	0	3	0	3	5	0	0	0	5	2	0
2017	0	0	0	3	0	3	4	0	0	0	4	1	1
2018	0	0	0	3	0	3	5	0	0	0	6	3	3
2019	0	0	2	3	0	5	8	0	0	0	8	3	5
2020	0	0	0	3	0	3	7	0	0	0	8	4	7
2021	0	0	0	4	0	4	7	0	0	0	7	4	10
2022	0	0	0	4	0	4	7	0	0	0	7	4	12
2023	0	0	0	4	0	4	6	0	0	0	7	3	13
2024	0	0	2	4	0	6	6	0	0	0	6	1	14
2025	0	0	0	4	0	4	6	0	0	0	7	3	15
2026	0	0	0	4	0	4	6	0	0	0	6	2	16
2027	0	0	0	4	0	4	6	0	0	0	7	3	17
2028	0	0	0	4	0	4	6	0	0	0	6	2	18
2029	0	0	2	4	0	6	6	0	0	0	6	0	18
2030	0	0	0	4	0	4	6	0	0	0	6	2	19
2031	0	0	0	4	0	4	6	0	0	0	6	2	19
2032	0	0	0	4	0	4	5	0	0	0	6	1	20
2033	0	0	0	5	0	5	6	0	0	0	6	2	20
2034	0	0	2	5	0	7	5	0	0	0	6	(1)	20
2035	0	0	0	5	0	5	5	0	0	0	6	1	20
2036	0	0	0	5	0	5	5	0	0	0	6	1	20
2037	0	0	0	6	0	6	6	0	0	0	6	1	20
2038	0	0	0	6	0	6	6	0	0	0	6	1	20
2039	0	0	2	6	0	8	6	0	0	1	6	(1)	20
2040	0	0	0	6	0	6	6	0	0	1	6	0	20
2041	0	0	0	6	0	6	6	0	0	1	7	0	20
2042	0	0	0	6	0	6	6	0	0	1	7	1	20
2043	0	0	0	7	0	7	6	0	0	1	7	0	20
2044	0	0	2	7	0	9	6	0	0	1	7	(2)	20
2045	0	0	0	7	0	7	6	0	0	1	7	0	20
2046	0	0	0	8	0	8	6	0	0	1	7	(0)	20
2047	0	0	0	8	0	8	7	0	0	1	8	(0)	20
2048	0	0	0	8	0	8	7	0	0	1	8	(0)	20
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	11	168	0	181	200	9	0	12	221	39	
NPV	0	1	5	50	0	55	70	3	0	2	75	20	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.36

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	45.97	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	60.45302	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	243,907.66	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	***	%

page 2

* INPUT DATA -- PART 1 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	9	0	10	6	4	107	0	0	107
2015	0	0	0	0	11	7	0	0	0	0
2016	0	0	0	0	11	7	0	0	0	0
2017	0	0	0	0	11	7	0	0	0	0
2018	0	0	0	0	12	7	0	0	0	0
2019	0	0	0	0	14	8	0	0	0	0
2020	0	0	0	0	14	8	0	0	0	0
2021	0	0	0	0	14	9	0	0	0	0
2022	0	0	0	0	14	9	0	0	0	0
2023	0	0	0	0	15	8	0	0	0	0
2024	0	0	0	0	15	8	0	0	0	0
2025	0	0	0	0	16	8	0	0	0	0
2026	0	9	0	10	16	8	145	0	0	145
2027	0	0	0	0	17	8	0	0	0	0
2028	0	0	0	0	17	8	0	0	0	0
2029	0	0	0	0	18	8	0	0	0	0
2030	0	0	0	0	18	8	0	0	0	0
2031	0	0	0	0	19	8	0	0	0	0
2032	0	0	0	0	20	8	0	0	0	0
2033	0	0	0	0	22	8	0	0	0	0
2034	0	0	0	0	23	8	0	0	0	0
2035	0	0	0	0	24	8	0	0	0	0
2036	0	0	0	0	25	9	0	0	0	0
2037	0	0	0	0	26	9	0	0	0	0
2038	0	9	0	10	28	9	194	0	0	194
2039	0	0	0	0	29	9	0	0	0	0
2040	0	0	0	0	30	9	0	0	0	0
2041	0	0	0	0	31	9	0	0	0	0
2042	0	0	0	0	33	9	0	0	0	0
2043	0	0	0	0	35	9	0	0	0	0
2044	0	0	0	0	36	9	0	0	0	0
2045	0	0	0	0	38	9	0	0	0	0
2046	0	0	0	0	40	9	0	0	0	0
2047	0	0	0	0	42	9	0	0	0	0
2048	0	0	0	0	44	10	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	28	0	29	783	289	446	0	0	446
NPV	0	15	0	15	215	101	202	0	0	202

* 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: [redacted] 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	57	1	0	4	2	1	0	2	0	10	10	10	56
2020	55	1	0	3	1	1	0	2	1	10	9	19	57
2021	52	1	0	3	1	1	0	2	1	9	8	27	59
2022	49	1	0	3	1	1	0	2	1	9	7	34	60
2023	47	1	0	3	1	1	0	2	1	9	6	40	62
2024	45	1	0	3	1	1	0	2	0	8	6	46	63
2025	42	1	0	3	1	1	0	2	0	8	5	51	65
2026	40	1	0	3	1	1	0	2	0	8	5	56	66
2027	38	1	0	2	1	1	0	2	0	7	4	60	68
2028	36	1	0	2	1	1	0	2	0	7	4	64	70
2029	34	1	0	2	1	1	0	2	0	7	3	67	72
2030	31	1	0	2	1	1	0	2	0	6	3	70	73
2031	29	1	0	2	1	1	0	2	0	6	3	72	75
2032	27	1	0	2	1	1	0	2	0	6	2	75	77
2033	25	1	0	2	1	1	0	2	0	6	2	77	79
2034	23	0	0	1	1	0	0	2	0	5	2	78	81
2035	21	0	0	1	1	0	0	2	0	5	2	80	83
2036	19	0	0	1	1	0	0	2	0	5	1	81	85
2037	17	0	0	1	0	0	0	2	0	4	1	82	87
2038	14	0	0	1	0	0	0	2	0	4	1	83	89
2039	12	0	0	1	1	0	0	2	(0)	4	1	84	92
2040	11	0	0	1	1	0	0	2	(1)	4	1	85	94
2041	9	0	0	1	1	0	0	2	(1)	3	1	86	96
2042	8	0	0	1	1	0	0	2	(1)	3	1	86	99
2043	7	0	0	0	1	0	0	2	(1)	3	1	87	101
2044	6	0	0	0	1	0	0	2	(1)	3	0	87	104
2045	5	0	0	0	1	0	0	2	(1)	3	0	88	106
2046	4	0	0	0	1	0	0	2	(1)	2	0	88	109
2047	2	0	0	0	1	0	0	2	(1)	2	0	88	112
2048	1	0	0	0	1	(0)	0	2	(1)	2	0	89	114

IN SERVICE COST	($000)	56
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 2a OF 2

(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	6	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	10	2	6	2	5	1	3	0	0	0	1	1
2022	6.18%	3	13	2	7	2	7	1	3	0	0	0	1	2
2023	5.71%	3	16	2	9	2	9	1	3	0	0	0	1	2
2024	5.29%	3	19	2	11	2	11	0	3	0	0	0	0	3
2025	4.89%	3	22	2	13	2	12	0	3	0	0	0	0	3
2026	4.52%	2	24	2	15	2	14	0	3	0	0	0	0	3
2027	4.46%	2	27	2	17	2	16	0	3	0	0	0	0	3
2028	4.46%	2	29	2	19	2	18	0	3	0	0	0	0	4
2029	4.46%	2	32	2	20	2	19	0	3	0	0	0	0	4
2030	4.46%	2	34	2	22	2	21	0	3	0	0	0	0	4
2031	4.46%	2	37	2	24	2	23	0	3	0	0	0	0	4
2032	4.46%	2	39	2	26	2	25	0	3	0	0	0	0	5
2033	4.46%	2	42	2	28	2	26	0	3	0	0	0	0	5
2034	4.46%	2	44	2	30	2	28	0	3	0	0	0	0	5
2035	4.46%	2	46	2	32	2	30	0	3	0	0	0	0	6
2036	4.46%	2	49	2	34	2	32	0	3	0	0	0	0	6
2037	4.46%	2	51	2	35	2	34	0	3	0	0	0	0	6
2038	4.46%	2	54	2	37	2	35	0	3	0	0	0	0	6
2039	2.23%	1	55	2	39	2	37	(0)	3	0	0	0	(0)	6
2040	0.00%	0	55	2	41	2	39	(1)	3	0	0	0	(1)	5
2041	0.00%	0	55	2	43	2	41	(1)	3	0	0	0	(1)	5
2042	0.00%	0	55	2	45	2	42	(1)	3	0	0	0	(1)	4
2043	0.00%	0	55	2	47	2	44	(1)	3	0	0	0	(1)	3
2044	0.00%	0	55	2	48	2	46	(1)	3	0	0	0	(1)	3
2045	0.00%	0	55	2	50	2	48	(1)	3	0	0	0	(1)	2
2046	0.00%	0	55	2	52	2	49	(1)	3	0	0	0	(1)	1
2047	0.00%	0	55	2	54	2	51	(1)	3	0	0	0	(1)	1
2048	0.00%	0	55	2	56	2	53	(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: [redacted] 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	54	2	(1)	57	55	56
2020	7.22%	4	1	52	4	0	55	52	53
2021	6.68%	4	1	50	6	1	52	49	51
2022	6.18%	3	1	48	7	2	49	47	48
2023	5.71%	3	1	47	9	2	47	45	46
2024	5.29%	3	0	45	11	3	45	42	43
2025	4.89%	3	0	43	13	3	42	40	41
2026	4.52%	2	0	41	15	3	40	38	39
2027	4.46%	2	0	39	17	3	38	36	37
2028	4.46%	2	0	37	19	4	36	34	35
2029	4.46%	2	0	35	20	4	34	31	33
2030	4.46%	2	0	34	22	4	31	29	30
2031	4.46%	2	0	32	24	4	29	27	28
2032	4.46%	2	0	30	26	5	27	25	26
2033	4.46%	2	0	28	28	5	25	23	24
2034	4.46%	2	0	26	30	5	23	21	22
2035	4.46%	2	0	24	32	6	21	19	20
2036	4.46%	2	0	22	34	6	19	17	18
2037	4.46%	2	0	20	35	6	17	14	15
2038	4.46%	2	0	19	37	6	14	12	13
2039	2.23%	1	(0)	17	39	6	12	11	11
2040	0.00%	0	(1)	15	41	5	11	9	10
2041	0.00%	0	(1)	13	43	5	9	8	9
2042	0.00%	0	(1)	11	45	4	8	7	8
2043	0.00%	0	(1)	9	47	3	7	6	7
2044	0.00%	0	(1)	7	48	3	6	5	5
2045	0.00%	0	(1)	6	50	2	5	4	4
2046	0.00%	0	(1)	4	52	1	4	2	3
2047	0.00%	0	(1)	2	54	1	2	1	2
2048	0.00%	0	(1)	(0)	56	0	1	0	1

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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	7.07	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

* 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	10	4	0	11	15	11
2020	10	4	0	20	25	9
2021	9	4	0	21	26	9
2022	9	4	0	21	26	9
2023	9	4	0	22	26	10
2024	8	5	0	24	28	9
2025	8	5	0	24	28	9
2026	8	5	0	24	27	10
2027	7	5	0	25	28	9
2028	7	5	0	26	29	10
2029	7	5	0	27	30	9
2030	6	5	0	28	30	10
2031	6	5	0	29	32	9
2032	6	6	0	30	32	10
2033	6	6	0	31	34	9
2034	5	6	1	33	35	9
2035	5	6	1	34	36	9
2036	5	6	1	35	37	9
2037	4	6	1	36	38	9
2038	4	6	1	38	40	9
2039	4	7	1	39	40	10
2040	4	7	1	41	42	9
2041	3	7	1	42	43	9
2042	3	7	1	44	45	10
2043	3	7	1	45	47	9
2044	3	7	1	47	49	9
2045	3	8	1	49	50	10
2046	2	8	1	51	52	10
2047	2	8	1	52	54	10
2048	2	8	1	55	56	10
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	168	175	15	1,003	1,078	284
NPV	62	45	4	241	268	83

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	9	0
2015	2	0	2	0	0	0	21	0
2016	1	0	2	0	0	0	33	0
2017	1	0	2	0	0	0	28	0
2018	1	0	2	0	0	0	37	0
2019	1	0	2	0	0	0	52	0
2020	1	0	2	0	0	0	48	0
2021	1	0	1	0	0	0	45	0
2022	1	0	1	0	0	0	42	0
2023	1	0	1	0	0	0	42	0
2024	1	0	1	0	0	0	37	0
2025	1	0	1	0	0	0	46	0
2026	1	0	1	0	0	0	44	0
2027	1	0	1	0	0	0	41	0
2028	1	0	1	0	0	0	47	0
2029	1	0	1	0	0	0	36	0
2030	1	0	1	0	0	0	42	0
2031	1	0	1	0	0	0	44	0
2032	1	0	1	0	0	0	32	0
2033	1	0	1	0	0	0	45	0
2034	1	0	1	0	0	0	33	0
2035	1	0	1	0	0	0	29	0
2036	1	0	1	0	0	0	34	0
2037	1	0	1	0	0	0	36	0
2038	1	0	1	0	0	0	34	0
2039	1	0	1	0	0	0	31	0
2040	1	0	1	0	0	0	31	0
2041	1	0	1	0	0	0	34	0
2042	1	0	1	0	0	0	38	0
2043	1	0	1	0	0	0	36	0
2044	0	0	1	0	0	0	39	0
2045	0	0	1	0	0	0	37	0
2046	0	0	1	0	0	0	33	0
2047	0	0	1	0	0	0	34	0
2048	0	0	1	0	0	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
NOM.	29	12	41	4	6	9	1,292	0
NPV	13	[illegible]	17	2	2	3	471	0

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

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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	1	0	1
2023	3	4	2	0	1
2024	3	4	2	0	1
2025	4	5	2	0	1
2026	4	5	3	0	1
2027	4	5	3	0	2
2028	4	6	3	0	2
2029	5	6	3	0	2
2030	5	7	4	0	2
2031	6	8	4	0	2
2032	6	9	4	0	2
2033	7	9	5	0	3
2034	8	10	5	0	3
2035	8	11	6	0	3
2036	9	12	6	0	3
2037	10	13	7	0	4
2038	11	14	7	0	4
2039	12	15	8	0	4
2040	13	16	8	0	5
2041	14	18	9	0	5
2042	15	19	10	0	5
2043	16	21	11	0	6
2044	17	22	11	0	6
2045	18	24	12	0	7
2046	19	25	13	0	7
2047	21	27	14	0	7
2048	22	29	15	0	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
NOM	264	346	178	0	96
NPV	47	62	32	0	18

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	107	0	108	0	0	9	0	10	(98)	(98)
2015	0	0	0	0	0	0	2	21	0	23	23	(77)
2016	0	0	0	0	0	0	2	33	0	35	35	(46)
2017	0	0	0	0	0	0	2	28	0	30	30	(22)
2018	0	0	0	0	0	0	2	37	0	39	39	7
2019	0	0	0	0	0	11	2	52	0	65	65	52
2020	0	0	0	0	0	9	2	48	0	59	59	90
2021	0	0	0	0	0	9	2	45	0	55	55	124
2022	0	0	0	0	0	9	2	42	1	53	53	153
2023	0	0	0	0	0	10	2	42	1	54	54	182
2024	0	0	0	0	0	9	2	37	1	49	49	205
2025	0	0	0	0	0	9	2	46	1	59	59	232
2026	0	0	145	0	145	10	2	44	1	56	(89)	195
2027	0	0	0	0	0	9	2	41	2	53	53	215
2028	0	0	0	0	0	10	1	47	2	60	60	237
2029	0	0	0	0	0	9	1	36	2	48	48	253
2030	0	0	0	0	0	10	1	42	2	55	55	270
2031	0	0	0	0	0	9	1	44	2	57	57	287
2032	0	0	0	0	0	10	1	32	2	45	45	299
2033	0	0	0	0	0	9	1	45	3	59	59	314
2034	0	0	0	0	0	9	1	33	3	47	47	325
2035	0	0	0	0	0	9	1	29	3	43	43	334
2036	0	0	0	0	0	9	1	34	3	48	48	344
2037	0	0	0	0	0	9	1	36	4	50	50	353
2038	0	0	194	0	195	9	1	34	4	48	(147)	327
2039	0	0	0	0	0	10	1	31	4	46	46	335
2040	0	0	0	0	0	9	1	31	5	46	46	342
2041	0	0	0	0	0	9	1	34	5	49	49	349
2042	0	0	0	0	0	10	1	38	5	54	54	356
2043	0	0	0	0	0	9	1	36	6	53	53	362
2044	0	0	0	0	0	9	1	39	6	56	56	369
2045	0	0	0	0	0	10	1	37	7	54	54	374
2046	0	0	0	0	0	10	1	33	7	51	51	379
2047	0	0	0	0	0	10	1	34	7	53	53	384
2048	0	0	0	0	0	10	1	42	8	61	61	389
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	446	0	447	284	50	1,292	96	1,722	1,275	
NPV	0	0	202	0	202	83	20	471	18	592	389	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.93

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	10	0	9	0	20	107	0	0	107	(88)	(88)
2015	20	0	0	0	20	0	0	0	0	20	(69)
2016	20	0	0	0	20	0	0	0	0	20	(52)
2017	21	0	0	0	21	0	0	0	0	21	(35)
2018	22	0	0	0	22	0	0	0	0	22	(19)
2019	24	0	0	0	24	0	0	0	0	24	(2)
2020	25	0	0	0	25	0	0	0	0	25	14
2021	25	0	0	0	25	0	0	0	0	25	29
2022	26	0	0	0	26	0	0	0	0	26	44
2023	26	0	0	0	26	0	0	0	0	26	58
2024	27	0	0	0	27	0	0	0	0	27	71
2025	27	0	0	0	27	0	0	0	0	27	83
2026	28	0	9	0	37	145	0	0	145	(108)	38
2027	28	0	0	0	28	0	0	0	0	28	49
2028	29	0	0	0	29	0	0	0	0	29	59
2029	29	0	0	0	29	0	0	0	0	29	69
2030	30	0	0	0	30	0	0	0	0	30	78
2031	31	0	0	0	31	0	0	0	0	31	87
2032	32	0	0	0	32	0	0	0	0	32	96
2033	35	0	0	0	35	0	0	0	0	35	105
2034	36	0	0	0	36	0	0	0	0	36	113
2035	37	0	0	0	37	0	0	0	0	37	121
2036	39	0	0	0	39	0	0	0	0	39	129
2037	41	0	0	0	41	0	0	0	0	41	137
2038	42	0	9	0	51	194	0	0	194	(143)	112
2039	43	0	0	0	43	0	0	0	0	43	119
2040	45	0	0	0	45	0	0	0	0	45	126
2041	46	0	0	0	46	0	0	0	0	46	132
2042	48	0	0	0	48	0	0	0	0	48	138
2043	51	0	0	0	51	0	0	0	0	51	145
2044	53	0	0	0	53	0	0	0	0	53	151
2045	55	0	0	0	55	0	0	0	0	55	156
2046	58	0	0	0	58	0	0	0	0	58	162
2047	60	0	0	0	60	0	0	0	0	60	168
2048	63	0	0	0	63	0	0	0	0	63	173
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,233	0	28	0	1,261	446	0	0	446	815	
NPV	360	0	15	0	375	202	0	0	202	173	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.86	

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	9	9	0	19	9	0	0	0	10	(9)	(9)
2015	0	0	0	17	0	17	21	2	0	0	23	5	(4)
2016	0	0	0	18	0	18	33	2	0	0	35	18	11
2017	0	0	0	18	0	18	28	2	0	0	30	12	20
2018	0	0	0	20	0	20	37	2	0	0	39	19	35
2019	0	0	0	21	0	21	63	2	0	0	65	43	65
2020	0	0	0	22	0	22	57	2	0	0	59	37	89
2021	0	0	0	22	0	22	54	2	0	0	55	33	109
2022	0	0	0	23	0	23	51	2	0	1	53	30	125
2023	0	0	0	23	0	23	52	2	0	1	54	31	141
2024	0	0	0	24	0	24	46	2	0	1	49	25	154
2025	0	0	0	24	0	24	56	2	0	1	59	35	169
2026	0	0	9	24	0	34	53	2	0	1	56	22	179
2027	0	0	0	25	0	25	50	2	0	2	53	28	190
2028	0	0	0	25	0	25	57	1	0	2	60	34	202
2029	0	0	0	26	0	26	45	1	0	2	48	23	210
2030	0	0	0	26	0	26	52	1	0	2	55	29	219
2031	0	0	0	27	0	27	53	1	0	2	57	30	228
2032	0	0	0	28	0	28	41	1	0	2	45	17	232
2033	0	0	0	30	0	30	55	1	0	3	59	28	239
2034	0	0	0	31	0	31	42	1	0	3	47	15	243
2035	0	0	0	32	0	32	38	1	0	3	43	11	245
2036	0	0	0	34	0	34	44	1	0	3	48	14	248
2037	0	0	0	35	0	35	45	1	0	4	50	15	251
2038	0	0	9	36	0	46	43	1	0	4	48	2	251
2039	0	0	0	38	0	38	41	1	0	4	46	9	253
2040	0	0	0	39	0	39	41	1	0	5	46	8	254
2041	0	0	0	40	0	40	43	1	0	5	49	9	255
2042	0	0	0	42	0	42	48	1	0	5	54	12	257
2043	0	0	0	44	0	44	46	1	0	6	53	9	258
2044	0	0	0	46	0	46	48	1	0	6	56	10	259
2045	0	0	0	47	0	47	47	1	0	7	54	7	260
2046	0	0	0	49	0	49	43	1	0	7	51	1	260
2047	0	0	0	52	0	52	44	1	0	7	53	1	260
2048	0	0	0	54	0	54	52	1	0	8	61	7	260
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	28	1,073	0	1,102	1,576	50	0	96	1,722	621	
NPV	0	0	15	316	0	331	554	20	0	18	592	260	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.79

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	67.00	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	88.10094	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	591,623.83	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	***	%

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* INPUT DATA – PART 1 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	1	14	0	14	14	5	110	0	0	110
2015	0	0	0	0	25	10	0	0	0	0
2016	0	0	0	0	26	10	0	0	0	0
2017	0	0	0	0	27	11	0	0	0	0
2018	0	0	0	0	30	11	0	0	0	0
2019	0	0	0	0	33	11	0	0	0	0
2020	0	0	0	0	33	12	0	0	0	0
2021	0	0	0	0	33	13	0	0	0	0
2022	0	0	0	0	34	13	0	0	0	0
2023	0	0	0	0	36	12	0	0	0	0
2024	0	0	0	0	37	12	0	0	0	0
2025	0	0	0	0	38	12	0	0	0	0
2026	1	14	0	14	40	11	148	0	0	148
2027	0	0	0	0	41	11	0	0	0	0
2028	0	0	0	0	42	11	0	0	0	0
2029	0	0	0	0	43	12	0	0	0	0
2030	0	0	0	0	45	12	0	0	0	0
2031	0	0	0	0	46	12	0	0	0	0
2032	0	0	0	0	49	12	0	0	0	0
2033	0	0	0	0	53	12	0	0	0	0
2034	0	0	0	0	55	12	0	0	0	0
2035	0	0	0	0	57	12	0	0	0	0
2036	0	0	0	0	62	13	0	0	0	0
2037	0	0	0	0	64	13	0	0	0	0
2038	1	14	0	15	67	13	199	0	0	199
2039	0	0	0	0	70	13	0	0	0	0
2040	0	0	0	0	72	13	0	0	0	0
2041	0	0	0	0	75	13	0	0	0	0
2042	0	0	0	0	79	13	0	0	0	0
2043	0	0	0	0	84	13	0	0	0	0
2044	0	0	0	0	88	13	0	0	0	0
2045	0	0	0	0	93	13	0	0	0	0
2046	0	0	0	0	97	14	0	0	0	0
2047	0	0	0	0	102	14	0	0	0	0
2048	0	0	0	0	108	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	0	0	0
NOM	2	41	0	43	1,900	421	457	0	0	457
NPV	1	22	0	23	521	147	207	0	0	207

* 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: [redacted] 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	83	2	0	5	3	1	0	3	0	14	14	14	81
2020	80	2	0	5	2	1	0	3	1	14	13	27	84
2021	76	2	0	5	2	1	0	3	1	13	12	39	86
2022	72	1	0	5	2	1	0	3	1	13	10	50	88
2023	68	1	0	4	2	1	0	3	1	12	9	59	90
2024	65	1	0	4	2	1	0	3	1	12	8	67	92
2025	62	1	0	4	2	1	0	3	1	12	7	75	94
2026	58	1	0	4	2	1	0	3	0	11	7	81	97
2027	55	1	0	3	2	1	0	3	0	11	6	87	99
2028	52	1	0	3	2	1	0	3	0	10	5	93	102
2029	49	1	0	3	2	1	0	3	0	10	5	97	104
2030	46	1	0	3	2	1	0	3	0	9	4	102	107
2031	43	1	0	3	1	1	0	3	0	9	4	105	110
2032	40	1	0	2	1	1	0	3	0	9	3	109	112
2033	37	1	0	2	1	1	0	3	0	8	3	112	115
2034	33	1	0	2	1	1	0	3	0	8	3	114	118
2035	30	1	0	2	1	1	0	3	0	7	2	116	121
2036	27	1	0	2	1	1	0	3	0	7	2	118	124
2037	24	1	0	2	1	1	0	3	0	6	2	120	127
2038	21	0	0	1	1	0	0	3	0	6	1	122	130
2039	18	0	0	1	1	0	0	3	(0)	6	1	123	134
2040	16	0	0	1	2	0	0	3	(1)	5	1	124	137
2041	14	0	0	1	2	0	0	3	(1)	5	1	125	140
2042	12	0	0	1	2	0	0	3	(1)	5	1	126	144
2043	10	0	0	1	1	0	0	3	(1)	4	1	127	147
2044	9	0	0	1	1	0	0	3	(1)	4	1	127	151
2045	7	0	0	0	1	0	0	3	(1)	4	1	128	155
2046	5	0	0	0	1	0	0	3	(1)	4	1	128	159
2047	3	0	0	0	1	0	0	3	(1)	3	0	129	163
2048	2	0	0	0	1	0	0	3	(1)	3	0	129	167

IN SERVICE COST	($000)	81
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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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	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	35	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	60	3	41	3	39	0	4	0	0	0	0	7
2034	4.46%	4	64	3	43	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	51	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	62	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	69	(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	81	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: [redacted] 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	62	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	43	38	7	40	37	38
2033	4.46%	4	0	41	41	7	37	33	35
2034	4.46%	4	0	38	43	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	19
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	62	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	81	0	2	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	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

*** 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	14	6	0	17	22	15
2020	14	6	1	30	37	13
2021	13	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	35	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	47	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
NOM	244	255	22	1,462	1,571	414
NPV	90	66	6	351	391	121

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	23	0
2015	2	0	3	0	0	0	50	0
2016	2	0	3	0	0	0	81	0
2017	2	0	2	0	0	0	68	0
2018	2	0	2	0	0	0	89	0
2019	2	0	2	0	0	0	127	0
2020	2	0	2	0	0	0	117	0
2021	2	0	2	0	0	0	109	0
2022	2	0	2	0	0	0	101	0
2023	2	0	2	0	0	0	102	0
2024	2	0	2	0	0	0	90	0
2025	2	0	2	0	0	0	113	0
2026	1	0	2	0	0	0	106	0
2027	1	0	2	0	0	0	99	0
2028	1	0	2	0	0	0	113	0
2029	1	0	2	0	0	0	87	0
2030	1	0	2	0	0	0	103	0
2031	1	0	2	0	0	0	107	0
2032	1	0	2	0	0	0	77	0
2033	1	0	2	0	0	0	110	0
2034	1	1	2	0	0	0	81	0
2035	1	1	2	0	0	0	70	0
2036	1	1	1	0	0	0	83	0
2037	1	1	1	0	0	0	86	0
2038	1	1	1	0	0	0	81	0
2039	1	1	1	0	0	0	76	0
2040	1	1	1	0	0	0	76	0
2041	1	1	1	0	0	0	81	0
2042	1	1	1	0	0	0	92	0
2043	1	1	1	0	0	0	88	0
2044	1	1	1	0	0	0	95	0
2045	1	1	1	0	0	0	90	0
2046	1	1	1	0	0	0	80	0
2047	1	1	1	0	0	0	83	0
2048	1	1	1	0	0	0	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
NOM.	42	17	59	5	8	14	3,135	0
NPV	19	5	24	3	3	5	1,142	0

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

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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	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	4
2027	6	8	7	0	5
2028	6	8	7	0	5
2029	7	9	8	0	6
2030	8	10	9	0	6
2031	9	11	10	0	7
2032	9	12	11	0	8
2033	10	14	12	0	9
2034	11	15	13	0	9
2035	12	16	14	0	10
2036	13	18	15	0	11
2037	14	19	16	0	12
2038	16	21	18	0	13
2039	17	22	19	0	14
2040	18	24	21	0	15
2041	20	26	22	0	16
2042	21	28	24	0	17
2043	23	30	26	0	18
2044	25	32	27	0	20
2045	26	34	29	0	21
2046	28	37	31	0	23
2047	30	39	33	0	24
2048	32	42	36	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
NOM	385	504	432	0	313
NPV	69	90	78	0	57

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	110	0	111	0	0	23	0	23	(87)	(87)
2015	0	0	0	0	0	0	3	50	1	54	54	(37)
2016	0	0	0	0	0	0	3	81	0	84	84	35
2017	0	0	0	0	0	0	3	68	0	71	71	92
2018	0	0	0	0	0	0	3	89	0	92	92	161
2019	0	0	0	0	0	15	3	127	0	145	145	262
2020	0	0	0	0	0	13	3	117	0	133	133	348
2021	0	0	0	0	0	13	3	109	0	124	124	423
2022	0	0	0	0	0	14	3	101	2	119	119	489
2023	0	0	0	0	0	14	2	102	3	121	121	552
2024	0	0	0	0	0	13	2	90	4	109	109	605
2025	0	0	0	0	0	14	2	113	4	133	133	665
2026	0	1	148	0	149	14	2	106	4	126	(22)	656
2027	0	0	0	0	0	14	2	99	5	120	120	702
2028	0	0	0	0	0	15	2	113	5	135	135	751
2029	0	0	0	0	0	14	2	87	6	108	108	787
2030	0	0	0	0	0	14	2	103	6	125	125	827
2031	0	0	0	0	0	13	2	107	7	129	129	864
2032	0	0	0	0	0	14	2	77	8	101	101	891
2033	0	0	0	0	0	13	2	110	9	134	134	925
2034	0	0	0	0	0	14	2	81	9	105	105	950
2035	0	0	0	0	0	14	2	70	10	96	96	970
2036	0	0	0	0	0	14	2	83	11	109	109	993
2037	0	0	0	0	0	14	2	86	12	113	113	1,014
2038	0	1	199	0	200	13	2	81	13	109	(90)	998
2039	0	0	0	0	0	14	2	76	14	106	106	1,015
2040	0	0	0	0	0	14	2	76	15	106	106	1,031
2041	0	0	0	0	0	14	2	81	16	113	113	1,047
2042	0	0	0	0	0	14	2	92	17	125	125	1,064
2043	0	0	0	0	0	14	2	88	18	122	122	1,078
2044	0	0	0	0	0	13	2	95	20	130	130	1,093
2045	0	0	0	0	0	14	2	90	21	127	127	1,106
2046	0	0	0	0	0	14	2	80	23	119	119	1,118
2047	0	0	0	0	0	14	2	83	24	123	123	1,129
2048	0	0	0	0	0	14	2	102	26	143	143	1,141
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	457	0	459	414	73	3,135	313	3,934	3,475	
NPV	0	1	207	0	208	121	29	1,142	57	1,349	1,141	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 6.50

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PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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	22	0	14	0	35	110	0	0	110	(75)	(75)
2015	41	0	0	0	41	0	0	0	0	41	(36)
2016	42	0	0	0	42	0	0	0	0	42	(0)
2017	43	0	0	0	43	0	0	0	0	43	34
2018	47	0	0	0	47	0	0	0	0	47	69
2019	51	0	0	0	51	0	0	0	0	51	105
2020	52	0	0	0	52	0	0	0	0	52	138
2021	53	0	0	0	53	0	0	0	0	53	170
2022	55	0	0	0	55	0	0	0	0	55	201
2023	56	0	0	0	56	0	0	0	0	56	230
2024	57	0	0	0	57	0	0	0	0	57	258
2025	58	0	0	0	58	0	0	0	0	58	284
2026	59	0	14	0	73	148	0	0	148	(75)	252
2027	61	0	0	0	61	0	0	0	0	61	276
2028	62	0	0	0	62	0	0	0	0	62	298
2029	64	0	0	0	64	0	0	0	0	64	320
2030	65	0	0	0	65	0	0	0	0	65	340
2031	67	0	0	0	67	0	0	0	0	67	360
2032	70	0	0	0	70	0	0	0	0	70	379
2033	76	0	0	0	76	0	0	0	0	76	398
2034	79	0	0	0	79	0	0	0	0	79	416
2035	81	0	0	0	81	0	0	0	0	81	434
2036	87	0	0	0	87	0	0	0	0	87	451
2037	90	0	0	0	90	0	0	0	0	90	468
2038	93	0	14	0	107	199	0	0	199	(92)	452
2039	97	0	0	0	97	0	0	0	0	97	468
2040	100	0	0	0	100	0	0	0	0	100	483
2041	104	0	0	0	104	0	0	0	0	104	498
2042	108	0	0	0	108	0	0	0	0	108	512
2043	115	0	0	0	115	0	0	0	0	115	526
2044	120	0	0	0	120	0	0	0	0	120	539
2045	125	0	0	0	125	0	0	0	0	125	553
2046	131	0	0	0	131	0	0	0	0	131	565
2047	137	0	0	0	137	0	0	0	0	137	578
2048	143	0	0	0	143	0	0	0	0	143	590
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	2,711	0	41	0	2,752	457	0	0	457	2,295	
NPV	775	0	22	0	797	207	0	0	207	590	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	3.86	

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	1	14	19	0	33	23	0	0	0	23	(10)	(10)
2015	0	0	0	36	0	36	50	3	0	1	54	18	7
2016	0	0	0	36	0	36	81	3	0	0	84	48	48
2017	0	0	0	38	0	38	68	3	0	0	71	33	75
2018	0	0	0	41	0	41	89	3	0	0	92	51	113
2019	0	0	0	44	0	44	142	3	0	0	145	101	183
2020	0	0	0	45	0	45	130	3	0	0	133	87	240
2021	0	0	0	46	0	46	122	3	0	0	124	78	287
2022	0	0	0	48	0	48	115	3	0	2	119	72	327
2023	0	0	0	48	0	48	116	2	0	3	121	73	365
2024	0	0	0	50	0	50	103	2	0	4	109	60	394
2025	0	0	0	50	0	50	126	2	0	4	133	83	431
2026	0	1	14	51	0	66	120	2	0	4	126	61	456
2027	0	0	0	52	0	52	113	2	0	5	120	67	483
2028	0	0	0	53	0	53	128	2	0	5	135	81	512
2029	0	0	0	55	0	55	100	2	0	6	108	54	530
2030	0	0	0	56	0	56	117	2	0	6	125	69	552
2031	0	0	0	58	0	58	120	2	0	7	129	72	572
2032	0	0	0	60	0	60	91	2	0	8	101	40	583
2033	0	0	0	65	0	65	123	2	0	9	134	69	601
2034	0	0	0	67	0	67	94	2	0	9	105	38	609
2035	0	0	0	70	0	70	84	2	0	10	96	26	615
2036	0	0	0	74	0	74	97	2	0	11	109	35	622
2037	0	0	0	77	0	77	100	2	0	12	113	37	629
2038	0	1	14	80	0	94	95	2	0	13	109	15	632
2039	0	0	0	83	0	83	90	2	0	14	106	23	635
2040	0	0	0	85	0	85	90	2	0	15	106	21	639
2041	0	0	0	89	0	89	95	2	0	16	113	24	642
2042	0	0	0	92	0	92	106	2	0	17	125	33	646
2043	0	0	0	97	0	97	102	2	0	18	122	25	649
2044	0	0	0	102	0	102	109	2	0	20	130	28	653
2045	0	0	0	106	0	106	104	2	0	21	127	21	655
2046	0	0	0	111	0	111	95	2	0	23	119	8	656
2047	0	0	0	116	0	116	97	2	0	24	123	7	656
2048	0	0	0	121	0	121	116	2	0	26	143	22	658
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	41	2,322	0	2,365	3,549	73	0	313	3,934	1,569	
NPV	0	1	22	668	0	691	1,263	29	0	57	1,349	658	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.95

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	53.96	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	70.94887	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	636,295.84	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	***	%

page 2

* INPUT DATA -- PART 1 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	11	0	11	15	4	233	0	0	233
2015	0	0	0	0	27	8	0	0	0	0
2016	0	0	0	0	28	8	0	0	0	0
2017	0	0	0	0	29	9	0	0	0	0
2018	0	0	0	0	32	9	0	0	0	0
2019	0	0	0	0	35	9	0	0	0	0
2020	0	0	0	0	36	10	0	0	0	0
2021	0	0	0	0	36	10	0	0	0	0
2022	0	0	0	0	37	11	0	0	0	0
2023	0	0	0	0	39	10	0	0	0	0
2024	0	11	0	11	40	10	299	0	0	299
2025	0	0	0	0	41	9	0	0	0	0
2026	0	0	0	0	43	9	0	0	0	0
2027	0	0	0	0	44	9	0	0	0	0
2028	0	0	0	0	45	9	0	0	0	0
2029	0	0	0	0	47	9	0	0	0	0
2030	0	0	0	0	48	9	0	0	0	0
2031	0	0	0	0	50	9	0	0	0	0
2032	0	0	0	0	52	10	0	0	0	0
2033	0	0	0	0	57	10	0	0	0	0
2034	0	11	0	12	59	10	382	0	0	382
2035	0	0	0	0	62	10	0	0	0	0
2036	0	0	0	0	66	10	0	0	0	0
2037	0	0	0	0	69	10	0	0	0	0
2038	0	0	0	0	72	10	0	0	0	0
2039	0	0	0	0	75	10	0	0	0	0
2040	0	0	0	0	78	10	0	0	0	0
2041	0	0	0	0	81	11	0	0	0	0
2042	0	0	0	0	85	11	0	0	0	0
2043	0	0	0	0	90	11	0	0	0	0
2044	1	11	0	12	95	11	489	0	0	489
2045	0	0	0	0	100	11	0	0	0	0
2046	0	0	0	0	105	11	0	0	0	0
2047	0	0	0	0	110	11	0	0	0	0
2048	0	0	0	0	116	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
NOM	2	44	0	46	2,044	339	1,403	0	0	1,403
NPV	1	20	0	21	560	119	522	0	0	522

* 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: [redacted] 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	67	1	0	4	3	1	0	2	0	12	12	12	66
2020	64	1	0	4	2	1	0	2	1	11	10	22	67
2021	61	1	0	4	2	1	0	2	1	11	9	31	69
2022	58	1	0	4	2	1	0	2	1	10	8	40	71
2023	55	1	0	3	2	1	0	2	1	10	8	47	72
2024	52	1	0	3	2	1	0	2	1	10	7	54	74
2025	50	1	0	3	2	1	0	2	0	9	6	60	76
2026	47	1	0	3	2	1	0	2	0	9	5	66	78
2027	44	1	0	3	2	1	0	2	0	9	5	70	80
2028	42	1	0	3	1	1	0	2	0	8	4	75	82
2029	39	1	0	2	1	1	0	2	0	8	4	78	84
2030	37	1	0	2	1	1	0	2	0	8	3	82	86
2031	34	1	0	2	1	1	0	2	0	7	3	85	88
2032	32	1	0	2	1	1	0	2	0	7	3	87	90
2033	29	1	0	2	1	1	0	2	0	7	2	90	93
2034	27	1	0	2	1	1	0	2	0	6	2	92	95
2035	24	1	0	2	1	1	0	2	0	6	2	94	97
2036	22	0	0	1	1	0	0	2	0	5	2	95	100
2037	19	0	0	1	1	0	0	2	0	5	1	97	102
2038	17	0	0	1	0	0	0	2	0	5	1	98	105
2039	14	0	0	1	1	0	0	2	(0)	4	1	99	108
2040	12	0	0	1	1	0	0	2	(1)	4	1	100	110
2041	11	0	0	1	1	0	0	2	(1)	4	1	101	113
2042	10	0	0	1	1	0	0	2	(1)	4	1	101	116
2043	8	0	0	1	1	0	0	2	(1)	4	1	102	119
2044	7	0	0	0	1	0	0	2	(1)	3	1	103	122
2045	6	0	0	0	1	0	0	2	(1)	3	0	103	125
2046	4	0	0	0	1	0	0	2	(1)	3	0	103	128
2047	3	0	0	0	1	0	0	2	(1)	3	0	104	131
2048	1	0	0	0	1	0	0	2	(1)	3	0	104	134

IN SERVICE COST	($000)	66
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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	5	7	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	11	2	7	2	6	1	3	0	0	0	1	1
2022	6.18%	4	15	2	9	2	8	1	3	0	0	0	1	2
2023	5.71%	4	19	2	11	2	10	1	3	0	0	0	1	2
2024	5.29%	3	22	2	13	2	12	1	3	0	0	0	1	3
2025	4.89%	3	26	2	15	2	15	0	3	0	0	0	0	3
2026	4.52%	3	29	2	17	2	17	0	3	0	0	0	0	4
2027	4.46%	3	31	2	20	2	19	0	3	0	0	0	0	4
2028	4.46%	3	34	2	22	2	21	0	3	0	0	0	0	4
2029	4.46%	3	37	2	24	2	23	0	3	0	0	0	0	5
2030	4.46%	3	40	2	26	2	25	0	3	0	0	0	0	5
2031	4.46%	3	43	2	28	2	27	0	3	0	0	0	0	5
2032	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	6
2033	4.46%	3	49	2	33	2	31	0	3	0	0	0	0	6
2034	4.46%	3	52	2	35	2	33	0	3	0	0	0	0	6
2035	4.46%	3	54	2	37	2	35	0	3	0	0	0	0	7
2036	4.46%	3	57	2	39	2	37	0	3	0	0	0	0	7
2037	4.46%	3	60	2	42	2	39	0	3	0	0	0	0	7
2038	4.46%	3	63	2	44	2	41	0	3	0	0	0	0	7
2039	2.23%	1	65	2	46	2	44	(0)	3	0	0	0	(0)	7
2040	0.00%	0	65	2	48	2	46	(1)	3	0	0	0	(1)	6
2041	0.00%	0	65	2	50	2	48	(1)	3	0	0	0	(1)	6
2042	0.00%	0	65	2	52	2	50	(1)	3	0	0	0	(1)	5
2043	0.00%	0	65	2	55	2	52	(1)	3	0	0	0	(1)	4
2044	0.00%	0	65	2	57	2	54	(1)	3	0	0	0	(1)	3
2045	0.00%	0	65	2	59	2	56	(1)	3	0	0	0	(1)	2
2046	0.00%	0	65	2	61	2	58	(1)	3	0	0	0	(1)	2
2047	0.00%	0	65	2	63	2	60	(1)	3	0	0	0	(1)	1
2048	0.00%	0	65	2	66	2	62	(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%

page 4b

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	2	0	63	2	(1)	67	64	65
2020	7.22%	5	1	61	4	0	64	61	63
2021	6.68%	4	1	59	7	1	61	58	60
2022	6.18%	4	1	57	9	2	58	55	57
2023	5.71%	4	1	55	11	2	55	52	54
2024	5.29%	3	1	52	13	3	52	50	51
2025	4.89%	3	0	50	15	3	50	47	48
2026	4.52%	3	0	48	17	4	47	44	46
2027	4.46%	3	0	46	20	4	44	42	43
2028	4.46%	3	0	44	22	4	42	39	41
2029	4.46%	3	0	42	24	5	39	37	38
2030	4.46%	3	0	39	26	5	37	34	36
2031	4.46%	3	0	37	28	5	34	32	33
2032	4.46%	3	0	35	31	6	32	29	31
2033	4.46%	3	0	33	33	6	29	27	28
2034	4.46%	3	0	31	35	6	27	24	26
2035	4.46%	3	0	28	37	7	24	22	23
2036	4.46%	3	0	26	39	7	22	19	21
2037	4.46%	3	0	24	42	7	19	17	18
2038	4.46%	3	0	22	44	7	17	14	16
2039	2.23%	1	(0)	20	46	7	14	12	13
2040	0.00%	0	(1)	17	48	6	12	11	12
2041	0.00%	0	(1)	15	50	6	11	10	10
2042	0.00%	0	(1)	13	52	5	10	8	9
2043	0.00%	0	(1)	11	55	4	8	7	8
2044	0.00%	0	(1)	9	57	3	7	6	6
2045	0.00%	0	(1)	7	59	2	6	4	5
2046	0.00%	0	(1)	4	61	2	4	3	3
2047	0.00%	0	(1)	2	63	1	3	1	2
2048	0.00%	0	(1)	0	66	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	1	1	3.60	7.41	3.63	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

*** 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	12	5	0	13	18	12
2020	11	5	0	24	30	11
2021	11	5	0	24	30	10
2022	10	5	0	25	30	11
2023	10	5	0	26	31	11
2024	10	5	0	28	32	11
2025	9	5	0	29	33	11
2026	9	6	0	28	32	11
2027	9	6	0	29	33	11
2028	8	6	1	31	34	12
2029	8	6	1	32	35	11
2030	8	6	1	32	35	11
2031	7	6	1	34	37	11
2032	7	6	1	35	38	11
2033	7	7	1	37	40	11
2034	6	7	1	38	41	11
2035	6	7	1	40	42	11
2036	5	7	1	41	43	11
2037	5	7	1	43	45	11
2038	5	7	1	44	46	11
2039	4	8	1	46	47	11
2040	4	8	1	48	49	11
2041	4	8	1	49	51	11
2042	4	8	1	51	53	11
2043	4	8	1	53	55	11
2044	3	9	1	55	57	11
2045	3	9	1	57	59	11
2046	3	9	1	60	61	11
2047	3	9	1	61	63	11
2048	3	10	1	64	65	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
NOM	197	206	18	1,178	1,265	333
NPV	72	53	5	282	315	98

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	26	0
2015	2	0	2	0	0	0	52	0
2016	2	0	2	0	0	0	96	0
2017	2	0	2	0	0	0	71	0
2018	2	0	2	0	0	0	94	0
2019	2	0	2	0	0	0	121	0
2020	1	0	2	0	0	0	116	0
2021	1	0	2	0	0	0	108	0
2022	1	0	2	0	0	0	108	0
2023	1	0	2	0	0	0	113	0
2024	1	0	2	0	0	0	96	0
2025	1	0	2	0	0	0	113	0
2026	1	0	1	0	0	0	96	0
2027	1	0	1	0	0	0	109	0
2028	1	0	1	0	0	0	100	0
2029	1	0	1	0	0	0	90	0
2030	1	0	1	0	0	0	90	0
2031	1	0	1	0	0	0	98	0
2032	1	0	1	0	0	0	71	0
2033	1	0	1	0	0	0	98	0
2034	1	0	1	0	0	0	75	0
2035	1	0	1	0	0	0	69	0
2036	1	0	1	0	0	0	78	0
2037	1	0	1	0	0	0	82	0
2038	1	0	1	0	0	0	79	0
2039	1	0	1	0	0	0	75	0
2040	1	0	1	0	0	0	77	0
2041	1	0	1	0	0	0	81	0
2042	1	1	1	0	0	0	90	0
2043	1	1	1	0	0	0	88	0
2044	1	1	1	0	0	0	93	0
2045	1	1	1	0	0	0	91	0
2046	1	1	1	0	0	0	85	0
2047	0	1	1	0	0	0	90	0
2048	0	1	1	0	0	0	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
NOM.	34	14	48	4	7	11	3,122	0
NPV	15	4	20	2	2	4	1,156	0

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

page 8a

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	3
2023	3	5	5	0	4
2024	4	5	5	0	4
2025	4	5	6	0	5
2026	4	6	6	0	5
2027	5	6	7	0	6
2028	5	7	8	0	6
2029	6	7	9	0	7
2030	6	8	9	0	8
2031	7	9	10	0	8
2032	8	10	11	0	9
2033	8	11	13	0	10
2034	9	12	14	0	11
2035	10	13	15	0	12
2036	11	14	16	0	13
2037	12	15	17	0	14
2038	13	17	19	0	15
2039	14	18	20	0	16
2040	15	19	22	0	17
2041	16	21	24	0	19
2042	17	22	26	0	20
2043	18	24	28	0	22
2044	20	26	30	0	23
2045	21	28	32	0	25
2046	23	30	34	0	27
2047	24	32	36	0	28
2048	26	34	38	0	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
NOM	310	406	464	0	368
NPV	55	73	83	0	66

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	233	0	233	0	0	26	0	26	(207)	(207)
2015	0	0	0	0	0	0	2	52	0	55	55	(156)
2016	0	0	0	0	0	0	2	96	0	99	99	(71)
2017	0	0	0	0	0	0	2	71	0	73	73	(12)
2018	0	0	0	0	0	0	2	94	0	96	96	60
2019	0	0	0	0	0	12	2	121	0	136	136	154
2020	0	0	0	0	0	11	2	116	0	129	129	238
2021	0	0	0	0	0	10	2	108	0	120	120	310
2022	0	0	0	0	0	11	2	108	3	123	123	379
2023	0	0	0	0	0	11	2	113	4	131	131	447
2024	0	0	299	0	299	11	2	96	4	113	(185)	357
2025	0	0	0	0	0	11	2	113	5	130	130	416
2026	0	0	0	0	0	11	2	96	5	114	114	464
2027	0	0	0	0	0	11	2	109	6	127	127	513
2028	0	0	0	0	0	12	2	100	6	119	119	556
2029	0	0	0	0	0	11	2	90	7	110	110	593
2030	0	0	0	0	0	11	2	90	8	111	111	628
2031	0	0	0	0	0	11	2	98	8	119	119	663
2032	0	0	0	0	0	11	2	71	9	93	93	688
2033	0	0	0	0	0	11	2	98	10	120	120	718
2034	0	0	382	0	383	11	2	75	11	99	(284)	652
2035	0	0	0	0	0	11	2	69	12	93	93	672
2036	0	0	0	0	0	11	2	78	13	104	104	693
2037	0	0	0	0	0	11	1	82	14	108	108	713
2038	0	0	0	0	0	11	1	79	15	106	106	732
2039	0	0	0	0	0	11	1	75	16	104	104	749
2040	0	0	0	0	0	11	1	77	17	106	106	765
2041	0	0	0	0	0	11	1	81	19	112	112	781
2042	0	0	0	0	0	11	1	90	20	123	123	797
2043	0	0	0	0	0	11	1	88	22	122	122	811
2044	0	1	489	0	490	11	1	93	23	129	(361)	771
2045	0	0	0	0	0	11	1	91	25	128	128	784
2046	0	0	0	0	0	11	1	85	27	124	124	796
2047	0	0	0	0	0	11	1	90	28	131	131	808
2048	0	0	0	0	0	11	1	102	30	145	145	821
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	1,403	0	1,405	333	59	3,122	368	3,881	2,477	
NPV	0	1	522	0	523	98	24	1,156	66	1,343	821	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 2.57

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	22	0	11	0	33	233	0	0	233	(200)	(200)
2015	41	0	0	0	41	0	0	0	0	41	(162)
2016	42	0	0	0	42	0	0	0	0	42	(125)
2017	44	0	0	0	44	0	0	0	0	44	(90)
2018	48	0	0	0	48	0	0	0	0	48	(55)
2019	52	0	0	0	52	0	0	0	0	52	(19)
2020	53	0	0	0	53	0	0	0	0	53	15
2021	54	0	0	0	54	0	0	0	0	54	47
2022	55	0	0	0	55	0	0	0	0	55	78
2023	57	0	0	0	57	0	0	0	0	57	108
2024	58	0	11	0	69	299	0	0	299	(229)	(3)
2025	59	0	0	0	59	0	0	0	0	59	23
2026	61	0	0	0	61	0	0	0	0	61	49
2027	62	0	0	0	62	0	0	0	0	62	73
2028	64	0	0	0	64	0	0	0	0	64	96
2029	65	0	0	0	65	0	0	0	0	65	118
2030	67	0	0	0	67	0	0	0	0	67	139
2031	69	0	0	0	69	0	0	0	0	69	159
2032	73	0	0	0	73	0	0	0	0	73	179
2033	78	0	0	0	78	0	0	0	0	78	198
2034	81	0	11	0	92	382	0	0	382	(290)	131
2035	84	0	0	0	84	0	0	0	0	84	149
2036	90	0	0	0	90	0	0	0	0	90	167
2037	93	0	0	0	93	0	0	0	0	93	185
2038	97	0	0	0	97	0	0	0	0	97	202
2039	101	0	0	0	101	0	0	0	0	101	218
2040	104	0	0	0	104	0	0	0	0	104	234
2041	108	0	0	0	108	0	0	0	0	108	249
2042	113	0	0	0	113	0	0	0	0	113	264
2043	120	0	0	0	120	0	0	0	0	120	278
2044	125	0	11	0	136	489	0	0	489	(353)	238
2045	131	0	0	0	131	0	0	0	0	131	252
2046	137	0	0	0	137	0	0	0	0	137	266
2047	144	0	0	0	144	0	0	0	0	144	279
2048	151	0	0	0	151	0	0	0	0	151	291
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	2,802	0	44	0	2,846	1,403	0	0	1,403	1,443	
NPV	793	0	20	0	814	522	0	0	522	291	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.56	

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	11	19	0	30	26	0	0	0	26	(4)	(4)
2015	0	0	0	36	0	36	52	2	0	0	55	19	14
2016	0	0	0	36	0	36	96	2	0	0	99	62	68
2017	0	0	0	38	0	38	71	2	0	0	73	36	97
2018	0	0	0	41	0	41	94	2	0	0	96	55	138
2019	0	0	0	44	0	44	133	2	0	0	136	91	201
2020	0	0	0	45	0	45	127	2	0	0	129	84	255
2021	0	0	0	46	0	46	118	2	0	0	120	74	300
2022	0	0	0	48	0	48	119	2	0	3	123	76	342
2023	0	0	0	49	0	49	125	2	0	4	131	82	385
2024	0	0	11	50	0	61	107	2	0	4	113	52	410
2025	0	0	0	51	0	51	124	2	0	5	130	80	446
2026	0	0	0	52	0	52	107	2	0	5	114	63	472
2027	0	0	0	53	0	53	120	2	0	6	127	74	501
2028	0	0	0	54	0	54	111	2	0	6	119	65	524
2029	0	0	0	56	0	56	101	2	0	7	110	54	542
2030	0	0	0	57	0	57	101	2	0	8	111	53	559
2031	0	0	0	59	0	59	109	2	0	8	119	60	577
2032	0	0	0	62	0	62	83	2	0	9	93	31	585
2033	0	0	0	67	0	67	109	2	0	10	120	54	599
2034	0	0	11	69	0	81	86	2	0	11	99	18	603
2035	0	0	0	72	0	72	80	2	0	12	93	21	607
2036	0	0	0	76	0	76	89	2	0	13	104	27	613
2037	0	0	0	79	0	79	92	1	0	14	108	29	618
2038	0	0	0	82	0	82	90	1	0	15	106	24	623
2039	0	0	0	85	0	85	87	1	0	16	104	19	626
2040	0	0	0	88	0	88	88	1	0	17	106	18	628
2041	0	0	0	92	0	92	92	1	0	19	112	20	631
2042	0	0	0	96	0	96	101	1	0	20	123	27	635
2043	0	0	0	101	0	101	99	1	0	22	122	21	637
2044	0	1	11	106	0	117	104	1	0	23	129	12	639
2045	0	0	0	111	0	111	102	1	0	25	128	18	640
2046	0	0	0	116	0	116	96	1	0	27	124	8	641
2047	0	0	0	121	0	121	102	1	0	28	131	10	642
2048	0	0	0	127	0	127	114	1	0	30	145	18	644
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	44	2,383	0	2,429	3,455	59	0	368	3,881	1,452	
NPV	0	1	20	679	0	700	1,254	24	0	66	1,343	644	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.92

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	14.06	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	18.48147	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	62,815.21	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	1.58642	
(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	***	%

page 2

* INPUT DATA – PART 1 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	3	0	3	3	0	26	0	0	26
2015	0	0	0	0	6	0	0	0	0	0
2016	0	0	0	0	6	0	0	0	0	0
2017	0	0	0	0	6	0	0	0	0	0
2018	0	0	0	0	6	0	0	0	0	0
2019	0	0	0	0	7	0	0	0	0	0
2020	0	3	0	3	7	0	31	0	0	31
2021	0	0	0	0	7	0	0	0	0	0
2022	0	0	0	0	7	0	0	0	0	0
2023	0	0	0	0	7	0	0	0	0	0
2024	0	0	0	0	7	0	0	0	0	0
2025	0	0	0	0	8	0	0	0	0	0
2026	0	3	0	3	8	0	36	0	0	36
2027	0	0	0	0	8	0	0	0	0	0
2028	0	0	0	0	8	0	0	0	0	0
2029	0	0	0	0	8	0	0	0	0	0
2030	0	0	0	0	8	0	0	0	0	0
2031	0	0	0	0	8	0	0	0	0	0
2032	0	3	0	3	9	0	41	0	0	41
2033	0	0	0	0	9	0	0	0	0	0
2034	0	0	0	0	10	0	0	0	0	0
2035	0	0	0	0	10	0	0	0	0	0
2036	0	0	0	0	10	0	0	0	0	0
2037	0	0	0	0	11	0	0	0	0	0
2038	0	3	0	3	11	0	48	0	0	48
2039	0	0	0	0	11	0	0	0	0	0
2040	0	0	0	0	12	0	0	0	0	0
2041	0	0	0	0	12	0	0	0	0	0
2042	0	0	0	0	12	0	0	0	0	0
2043	0	0	0	0	13	0	0	0	0	0
2044	0	3	0	3	13	0	55	0	0	55
2045	0	0	0	0	14	0	0	0	0	0
2046	0	0	0	0	14	0	0	0	0	0
2047	0	0	0	0	15	0	0	0	0	0
2048	0	0	0	0	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	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	2	17	0	19	325	0	237	0	0	237
NPV	1	8	0	8	97	0	87	0	0	87

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

page 3

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
PAGE 1 OF 2

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	17	0	0	1	1	0	0	1	0	3	3	3	17
2020	17	0	0	1	0	0	0	1	0	3	3	6	18
2021	16	0	0	1	0	0	0	1	0	3	2	8	18
2022	15	0	0	1	0	0	0	1	0	3	2	10	18
2023	14	0	0	1	0	0	0	1	0	3	2	12	19
2024	14	0	0	1	0	0	0	1	0	3	2	14	19
2025	13	0	0	1	0	0	0	1	0	2	2	16	20
2026	12	0	0	1	0	0	0	1	0	2	1	17	20
2027	12	0	0	1	0	0	0	1	0	2	1	18	21
2028	11	0	0	1	0	0	0	1	0	2	1	19	21
2029	10	0	0	1	0	0	0	1	0	2	1	20	22
2030	10	0	0	1	0	0	0	1	0	2	1	21	22
2031	9	0	0	1	0	0	0	1	0	2	1	22	23
2032	8	0	0	1	0	0	0	1	0	2	1	23	24
2033	8	0	0	0	0	0	0	1	0	2	1	23	24
2034	7	0	0	0	0	0	0	1	0	2	1	24	25
2035	6	0	0	0	0	0	0	1	0	2	0	24	25
2036	6	0	0	0	0	0	0	1	0	1	0	25	26
2037	5	0	0	0	0	0	0	1	0	1	0	25	27
2038	4	0	0	0	0	0	0	1	0	1	0	26	27
2039	4	0	0	0	0	0	0	1	(0)	1	0	26	28
2040	3	0	0	0	0	0	0	1	(0)	1	0	26	29
2041	3	0	0	0	0	0	0	1	(0)	1	0	26	29
2042	3	0	0	0	0	0	0	1	(0)	1	0	26	30
2043	2	0	0	0	0	0	0	1	(0)	1	0	27	31
2044	2	0	0	0	0	0	0	1	(0)	1	0	27	32
2045	1	0	0	0	0	0	0	1	(0)	1	0	27	32
2046	1	0	0	0	0	0	0	1	(0)	1	0	27	33
2047	1	0	0	0	0	0	0	1	(0)	1	0	27	34
2048	0	0	0	0	0	0	0	1	(0)	1	0	27	35

IN SERVICE COST	($000)	17
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%	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	3	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	4	1	2	1	2	0	1	0	0	0	0	0
2023	5.71%	1	5	1	3	1	3	0	1	0	0	0	0	1
2024	5.29%	1	6	1	3	1	3	0	1	0	0	0	0	1
2025	4.89%	1	7	1	4	1	4	0	1	0	0	0	0	1
2026	4.52%	1	7	1	5	1	4	0	1	0	0	0	0	1
2027	4.46%	1	8	1	5	1	5	0	1	0	0	0	0	1
2028	4.46%	1	9	1	6	1	5	0	1	0	0	0	0	1
2029	4.46%	1	10	1	6	1	6	0	1	0	0	0	0	1
2030	4.46%	1	10	1	7	1	6	0	1	0	0	0	0	1
2031	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2032	4.46%	1	12	1	8	1	8	0	1	0	0	0	0	1
2033	4.46%	1	13	1	9	1	8	0	1	0	0	0	0	2
2034	4.46%	1	13	1	9	1	9	0	1	0	0	0	0	2
2035	4.46%	1	14	1	10	1	9	0	1	0	0	0	0	2
2036	4.46%	1	15	1	10	1	10	0	1	0	0	0	0	2
2037	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2038	4.46%	1	16	1	11	1	11	0	1	0	0	0	0	2
2039	2.23%	0	17	1	12	1	11	(0)	1	0	0	0	(0)	2
2040	0.00%	0	17	1	13	1	12	(0)	1	0	0	0	(0)	2
2041	0.00%	0	17	1	13	1	12	(0)	1	0	0	0	(0)	1
2042	0.00%	0	17	1	14	1	13	(0)	1	0	0	0	(0)	1
2043	0.00%	0	17	1	14	1	13	(0)	1	0	0	0	(0)	1
2044	0.00%	0	17	1	15	1	14	(0)	1	0	0	0	(0)	1
2045	0.00%	0	17	1	15	1	15	(0)	1	0	0	0	(0)	1
2046	0.00%	0	17	1	16	1	15	(0)	1	0	0	0	(0)	0
2047	0.00%	0	17	1	17	1	16	(0)	1	0	0	0	(0)	0
2048	0.00%	0	17	1	17	1	16	(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: [redacted] 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%	1	0	17	1	(0)	17	17	17
2020	7.22%	1	0	16	1	0	17	16	16
2021	6.68%	1	0	15	2	0	16	15	15
2022	6.18%	1	0	15	2	0	15	14	15
2023	5.71%	1	0	14	3	1	14	14	14
2024	5.29%	1	0	14	3	1	14	13	13
2025	4.89%	1	0	13	4	1	13	12	13
2026	4.52%	1	0	13	5	1	12	12	12
2027	4.46%	1	0	12	5	1	12	11	11
2028	4.46%	1	0	11	6	1	11	10	11
2029	4.46%	1	0	11	6	1	10	10	10
2030	4.46%	1	0	10	7	1	10	9	9
2031	4.46%	1	0	10	7	1	9	8	9
2032	4.46%	1	0	9	8	1	8	8	8
2033	4.46%	1	0	9	9	2	8	7	7
2034	4.46%	1	0	8	9	2	7	6	7
2035	4.46%	1	0	7	10	2	6	6	6
2036	4.46%	1	0	7	10	2	6	5	5
2037	4.46%	1	0	6	11	2	5	4	5
2038	4.46%	1	0	6	11	2	4	4	4
2039	2.23%	0	(0)	5	12	2	4	3	4
2040	0.00%	0	(0)	5	13	2	3	3	3
2041	0.00%	0	(0)	4	13	1	3	3	3
2042	0.00%	0	(0)	3	14	1	3	2	2
2043	0.00%	0	(0)	3	14	1	2	2	2
2044	0.00%	0	(0)	2	15	1	2	1	2
2045	0.00%	0	(0)	2	15	1	1	1	1
2046	0.00%	0	(0)	1	16	0	1	1	1
2047	0.00%	0	(0)	1	17	0	1	0	1
2048	0.00%	0	(0)	0	17	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	1	1	3.60	7.41	3.63	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

* 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	3	1	0	3	5	3
2020	3	1	0	6	8	3
2021	3	1	0	6	8	3
2022	3	1	0	7	8	3
2023	3	1	0	7	8	3
2024	3	1	0	7	8	3
2025	2	1	0	7	9	3
2026	2	1	0	7	8	3
2027	2	1	0	8	9	3
2028	2	2	0	8	9	3
2029	2	2	0	8	9	3
2030	2	2	0	8	9	3
2031	2	2	0	9	10	3
2032	2	2	0	9	10	3
2033	2	2	0	10	10	3
2034	2	2	0	10	11	3
2035	2	2	0	10	11	3
2036	1	2	0	11	11	3
2037	1	2	0	11	12	3
2038	1	2	0	12	12	3
2039	1	2	0	12	12	3
2040	1	2	0	12	13	3
2041	1	2	0	13	13	3
2042	1	2	0	13	14	3
2043	1	2	0	14	14	3
2044	1	2	0	14	15	3
2045	1	2	0	15	15	3
2046	1	2	0	16	16	3
2047	1	2	0	16	16	3
2048	1	2	0	17	17	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
NOM	51	54	5	307	329	87
NPV	19	14	1	74	82	25

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AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [redacted] A

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(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	3	0
2015	0	0	1	0	0	0	5	0
2016	0	0	1	0	0	0	10	0
2017	0	0	1	0	0	0	7	0
2018	0	0	0	0	0	0	9	0
2019	0	0	0	0	0	0	12	0
2020	0	0	0	0	0	0	11	0
2021	0	0	0	0	0	0	11	0
2022	0	0	0	0	0	0	11	0
2023	0	0	0	0	0	0	11	0
2024	0	0	0	0	0	0	10	0
2025	0	0	0	0	0	0	11	0
2026	0	0	0	0	0	0	9	0
2027	0	0	0	0	0	0	11	0
2028	0	0	0	0	0	0	10	0
2029	0	0	0	0	0	0	9	0
2030	0	0	0	0	0	0	9	0
2031	0	0	0	0	0	0	10	0
2032	0	0	0	0	0	0	7	0
2033	0	0	0	0	0	0	10	0
2034	0	0	0	0	0	0	7	0
2035	0	0	0	0	0	0	7	0
2036	0	0	0	0	0	0	8	0
2037	0	0	0	0	0	0	8	0
2038	0	0	0	0	0	0	8	0
2039	0	0	0	0	0	0	7	0
2040	0	0	0	0	0	0	8	0
2041	0	0	0	0	0	0	8	0
2042	0	0	0	0	0	0	9	0
2043	0	0	0	0	0	0	9	0
2044	0	0	0	0	0	0	9	0
2045	0	0	0	0	0	0	9	0
2046	0	0	0	0	0	0	8	0
2047	0	0	0	0	0	0	9	0
2048	0	0	0	0	0	0	10	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	9	4	12	1	2	3	308	0
NPV	4	1	5	1	1	1	114	0

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

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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	1	1	0	0	0
2023	1	1	0	0	0
2024	1	1	1	0	0
2025	1	1	1	0	0
2026	1	1	1	0	0
2027	1	2	1	0	0
2028	1	2	1	0	0
2029	1	2	1	0	0
2030	2	2	1	0	0
2031	2	2	1	0	0
2032	2	3	1	0	1
2033	2	3	1	0	1
2034	2	3	1	0	1
2035	3	3	1	0	1
2036	3	4	2	0	1
2037	3	4	2	0	1
2038	3	4	2	0	1
2039	4	5	2	0	1
2040	4	5	2	0	1
2041	4	5	2	0	1
2042	4	6	3	0	1
2043	5	6	3	0	1
2044	5	7	3	0	1
2045	6	7	3	0	1
2046	6	8	3	0	2
2047	6	8	4	0	2
2048	7	9	4	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
NOM	81	106	46	0	21
NPV	14	19	8	0	4

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	26	0	27	0	0	3	0	3	(24)	(24)
2015	0	0	0	0	0	0	1	5	0	6	6	(19)
2016	0	0	0	0	0	0	1	10	0	10	10	(10)
2017	0	0	0	0	0	0	1	7	0	8	8	(4)
2018	0	0	0	0	0	0	1	9	0	10	10	4
2019	0	0	0	0	0	3	1	12	0	16	16	15
2020	0	0	31	0	31	3	1	11	0	15	(16)	4
2021	0	0	0	0	0	3	1	11	0	14	14	13
2022	0	0	0	0	0	3	1	11	0	14	14	20
2023	0	0	0	0	0	3	1	11	0	15	15	28
2024	0	0	0	0	0	3	1	10	0	13	13	34
2025	0	0	0	0	0	3	0	11	0	15	15	41
2026	0	0	36	0	36	3	0	9	0	13	(23)	32
2027	0	0	0	0	0	3	0	11	0	14	14	37
2028	0	0	0	0	0	3	0	10	0	14	14	42
2029	0	0	0	0	0	3	0	9	0	13	13	46
2030	0	0	0	0	0	3	0	9	0	13	13	50
2031	0	0	0	0	0	3	0	10	0	13	13	54
2032	0	0	41	0	42	3	0	7	1	11	(31)	46
2033	0	0	0	0	0	3	0	10	1	13	13	49
2034	0	0	0	0	0	3	0	7	1	11	11	52
2035	0	0	0	0	0	3	0	7	1	11	11	54
2036	0	0	0	0	0	3	0	8	1	12	12	57
2037	0	0	0	0	0	3	0	8	1	12	12	59
2038	0	0	48	0	48	3	0	8	1	12	(36)	53
2039	0	0	0	0	0	3	0	7	1	12	12	55
2040	0	0	0	0	0	3	0	8	1	12	12	56
2041	0	0	0	0	0	3	0	8	1	12	12	58
2042	0	0	0	0	0	3	0	9	1	13	13	60
2043	0	0	0	0	0	3	0	9	1	13	13	61
2044	0	0	55	0	56	3	0	9	1	14	(42)	57
2045	0	0	0	0	0	3	0	9	1	14	14	58
2046	0	0	0	0	0	3	0	8	2	13	13	59
2047	0	0	0	0	0	3	0	9	2	14	14	61
2048	0	0	0	0	0	3	0	10	2	15	15	62
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	237	0	239	87	15	308	21	431	192	
NPV	0	1	87	0	87	25	6	114	4	149	62	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.71

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	3	0	3	0	6	26	0	0	26	(20)	(20)
2015	7	0	0	0	7	0	0	0	0	7	(14)
2016	7	0	0	0	7	0	0	0	0	7	(8)
2017	7	0	0	0	7	0	0	0	0	7	(2)
2018	7	0	0	0	7	0	0	0	0	7	3
2019	8	0	0	0	8	0	0	0	0	8	9
2020	8	0	3	0	11	31	0	0	31	(20)	(4)
2021	8	0	0	0	8	0	0	0	0	8	1
2022	9	0	0	0	9	0	0	0	0	9	6
2023	9	0	0	0	9	0	0	0	0	9	10
2024	9	0	0	0	9	0	0	0	0	9	15
2025	9	0	0	0	9	0	0	0	0	9	19
2026	9	0	3	0	12	36	0	0	36	(23)	9
2027	9	0	0	0	9	0	0	0	0	9	13
2028	9	0	0	0	9	0	0	0	0	9	16
2029	10	0	0	0	10	0	0	0	0	10	19
2030	10	0	0	0	10	0	0	0	0	10	23
2031	10	0	0	0	10	0	0	0	0	10	25
2032	10	0	3	0	13	41	0	0	41	(28)	18
2033	11	0	0	0	11	0	0	0	0	11	21
2034	11	0	0	0	11	0	0	0	0	11	23
2035	12	0	0	0	12	0	0	0	0	12	26
2036	12	0	0	0	12	0	0	0	0	12	28
2037	13	0	0	0	13	0	0	0	0	13	31
2038	13	0	3	0	16	48	0	0	48	(32)	25
2039	14	0	0	0	14	0	0	0	0	14	28
2040	14	0	0	0	14	0	0	0	0	14	30
2041	14	0	0	0	14	0	0	0	0	14	32
2042	15	0	0	0	15	0	0	0	0	15	34
2043	16	0	0	0	16	0	0	0	0	16	36
2044	16	0	3	0	19	55	0	0	55	(36)	31
2045	17	0	0	0	17	0	0	0	0	17	33
2046	17	0	0	0	17	0	0	0	0	17	35
2047	18	0	0	0	18	0	0	0	0	18	37
2048	19	0	0	0	19	0	0	0	0	19	38
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	392	0	17	0	409	237	0	0	237	172	
NPV	117	0	8	0	125	87	0	0	87	38	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.44

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	3	3	0	6	3	0	0	0	3	(3)	(3)
2015	0	0	0	6	0	6	5	1	0	0	6	0	(3)
2016	0	0	0	6	0	6	10	1	0	0	10	5	1
2017	0	0	0	6	0	6	7	1	0	0	8	2	2
2018	0	0	0	6	0	6	9	1	0	0	10	4	5
2019	0	0	0	7	0	7	15	1	0	0	16	9	11
2020	0	0	3	7	0	10	14	1	0	0	15	5	15
2021	0	0	0	7	0	7	13	1	0	0	14	7	19
2022	0	0	0	7	0	7	13	1	0	0	14	7	23
2023	0	0	0	7	0	7	14	1	0	0	15	7	27
2024	0	0	0	7	0	7	12	1	0	0	13	6	29
2025	0	0	0	8	0	8	14	0	0	0	15	7	32
2026	0	0	3	8	0	11	12	0	0	0	13	2	33
2027	0	0	0	8	0	8	14	0	0	0	14	7	36
2028	0	0	0	8	0	8	13	0	0	0	14	6	38
2029	0	0	0	8	0	8	12	0	0	0	13	5	40
2030	0	0	0	8	0	8	12	0	0	0	13	5	41
2031	0	0	0	8	0	8	13	0	0	0	13	5	43
2032	0	0	3	9	0	12	10	0	0	1	11	(1)	42
2033	0	0	0	9	0	9	12	0	0	1	13	4	43
2034	0	0	0	10	0	10	10	0	0	1	11	2	44
2035	0	0	0	10	0	10	10	0	0	1	11	1	44
2036	0	0	0	10	0	10	11	0	0	1	12	1	44
2037	0	0	0	11	0	11	11	0	0	1	12	1	45
2038	0	0	3	11	0	14	11	0	0	1	12	(2)	44
2039	0	0	0	11	0	11	10	0	0	1	12	0	44
2040	0	0	0	12	0	12	10	0	0	1	12	0	44
2041	0	0	0	12	0	12	11	0	0	1	12	0	44
2042	0	0	0	12	0	12	12	0	0	1	13	1	44
2043	0	0	0	13	0	13	12	0	0	1	13	0	44
2044	0	0	3	13	0	17	12	0	0	1	14	(3)	44
2045	0	0	0	14	0	14	12	0	0	1	14	(0)	44
2046	0	0	0	14	0	14	11	0	0	2	13	(1)	44
2047	0	0	0	15	0	15	12	0	0	2	14	(1)	44
2048	0	0	0	16	0	16	13	0	0	2	15	(0)	44
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	17	325	0	344	395	15	0	21	431	87	
NPV	0	1	8	97	0	106	140	6	0	4	149	44	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.41

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	21.91	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	28.81558	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	97,938.68	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	1.58642	
(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	***	%

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* INPUT DATA -- PART 1 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	5	0	5	3	1	41	0	0	41
2015	0	0	0	0	5	3	0	0	0	0
2016	0	0	0	0	5	3	0	0	0	0
2017	0	0	0	0	5	3	0	0	0	0
2018	0	0	0	0	5	3	0	0	0	0
2019	0	0	0	0	6	3	0	0	0	0
2020	0	5	0	5	6	3	47	0	0	47
2021	0	0	0	0	6	4	0	0	0	0
2022	0	0	0	0	6	4	0	0	0	0
2023	0	0	0	0	7	3	0	0	0	0
2024	0	0	0	0	7	3	0	0	0	0
2025	0	0	0	0	7	3	0	0	0	0
2026	0	5	0	5	7	3	55	0	0	55
2027	0	0	0	0	7	3	0	0	0	0
2028	0	0	0	0	8	3	0	0	0	0
2029	0	0	0	0	8	3	0	0	0	0
2030	0	0	0	0	8	3	0	0	0	0
2031	0	0	0	0	8	3	0	0	0	0
2032	0	5	0	5	9	3	63	0	0	63
2033	0	0	0	0	9	3	0	0	0	0
2034	0	0	0	0	10	4	0	0	0	0
2035	0	0	0	0	10	4	0	0	0	0
2036	0	0	0	0	11	4	0	0	0	0
2037	0	0	0	0	11	4	0	0	0	0
2038	0	5	0	5	12	4	73	0	0	73
2039	0	0	0	0	12	4	0	0	0	0
2040	0	0	0	0	13	4	0	0	0	0
2041	0	0	0	0	13	4	0	0	0	0
2042	0	0	0	0	14	4	0	0	0	0
2043	0	0	0	0	15	4	0	0	0	0
2044	0	5	0	5	15	4	85	0	0	85
2045	0	0	0	0	16	4	0	0	0	0
2046	0	0	0	0	17	4	0	0	0	0
2047	0	0	0	0	18	4	0	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
NOM	2	27	0	29	337	121	364	0	0	364
NPV	1	12	0	13	94	42	133	0	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: [redacted] 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	27	1	0	2	1	0	0	1	0	5	5	5	27
2020	26	1	0	2	1	0	0	1	0	5	4	9	27
2021	25	1	0	2	1	0	0	1	0	4	4	13	28
2022	24	0	0	1	1	0	0	1	0	4	3	16	29
2023	22	0	0	1	1	0	0	1	0	4	3	19	29
2024	21	0	0	1	1	0	0	1	0	4	3	22	30
2025	20	0	0	1	1	0	0	1	0	4	2	24	31
2026	19	0	0	1	1	0	0	1	0	4	2	27	32
2027	18	0	0	1	1	0	0	1	0	3	2	29	32
2028	17	0	0	1	1	0	0	1	0	3	2	30	33
2029	16	0	0	1	1	0	0	1	0	3	2	32	34
2030	15	0	0	1	0	0	0	1	0	3	1	33	35
2031	14	0	0	1	0	0	0	1	0	3	1	34	36
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	36	38
2034	11	0	0	1	0	0	0	1	0	3	1	37	39
2035	10	0	0	1	0	0	0	1	0	2	1	38	40
2036	9	0	0	1	0	0	0	1	0	2	1	39	41
2037	8	0	0	0	0	0	0	1	0	2	1	39	42
2038	7	0	0	0	0	0	0	1	0	2	0	40	43
2039	6	0	0	0	0	0	0	1	(0)	2	0	40	44
2040	5	0	0	0	1	0	0	1	(0)	2	0	41	45
2041	5	0	0	0	1	0	0	1	(0)	2	0	41	46
2042	4	0	0	0	1	0	0	1	(0)	2	0	41	47
2043	3	0	0	0	0	0	0	1	(0)	1	0	41	48
2044	3	0	0	0	0	0	0	1	(0)	1	0	42	49
2045	2	0	0	0	0	0	0	1	(0)	1	0	42	51
2046	2	0	0	0	0	0	0	1	(0)	1	0	42	52
2047	1	0	0	0	0	0	0	1	(0)	1	0	42	53
2048	1	0	0	0	0	(0)	0	1	(0)	1	0	42	55

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%

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

page 4a

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2a OF 2

(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%	1	8	1	4	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	10	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	8	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	16	1	11	1	10	0	1	0	0	0	0	2
2031	4.46%	1	17	1	12	1	11	0	1	0	0	0	0	2
2032	4.46%	1	19	1	12	1	12	0	1	0	0	0	0	2
2033	4.46%	1	20	1	13	1	13	0	1	0	0	0	0	2
2034	4.46%	1	21	1	14	1	13	0	1	0	0	0	0	3
2035	4.46%	1	22	1	15	1	14	0	1	0	0	0	0	3
2036	4.46%	1	23	1	16	1	15	0	1	0	0	0	0	3
2037	4.46%	1	24	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	26	1	19	1	18	(0)	1	0	0	0	(0)	3
2040	0.00%	0	26	1	20	1	19	(0)	1	0	0	0	(0)	3
2041	0.00%	0	26	1	20	1	19	(0)	1	0	0	0	(0)	2
2042	0.00%	0	26	1	21	1	20	(0)	1	0	0	0	(0)	2
2043	0.00%	0	26	1	22	1	21	(0)	1	0	0	0	(0)	2
2044	0.00%	0	26	1	23	1	22	(0)	1	0	0	0	(0)	1
2045	0.00%	0	26	1	24	1	23	(0)	1	0	0	0	(0)	1
2046	0.00%	0	26	1	25	1	24	(0)	1	0	0	0	(0)	1
2047	0.00%	0	26	1	26	1	24	(0)	1	0	0	0	(0)	0
2048	0.00%	0	26	1	27	1	25	(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%

page 4b

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2b OF 2

(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%	1	0	26	1	(0)	27	26	27
2020	7.22%	2	0	25	2	0	26	25	25
2021	6.68%	2	0	24	3	0	25	24	24
2022	6.18%	2	0	23	4	1	24	22	23
2023	5.71%	1	0	22	4	1	22	21	22
2024	5.29%	1	0	21	5	1	21	20	21
2025	4.89%	1	0	20	6	1	20	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	14
2031	4.46%	1	0	15	12	2	14	13	13
2032	4.46%	1	0	14	12	2	13	12	12
2033	4.46%	1	0	13	13	2	12	11	11
2034	4.46%	1	0	12	14	3	11	10	10
2035	4.46%	1	0	12	15	3	10	9	9
2036	4.46%	1	0	11	16	3	9	8	8
2037	4.46%	1	0	10	17	3	8	7	7
2038	4.46%	1	0	9	18	3	7	6	6
2039	2.23%	1	(0)	8	19	3	6	5	5
2040	0.00%	0	(0)	7	20	3	5	5	5
2041	0.00%	0	(0)	6	20	2	5	4	4
2042	0.00%	0	(0)	5	21	2	4	3	4
2043	0.00%	0	(0)	4	22	2	3	3	3
2044	0.00%	0	(0)	4	23	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: [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	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

* 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	5	2	0	5	7	5
2020	5	2	0	10	12	4
2021	4	2	0	10	12	4
2022	4	2	0	10	12	4
2023	4	2	0	11	12	5
2024	4	2	0	11	13	4
2025	4	2	0	12	13	4
2026	4	2	0	12	13	5
2027	3	2	0	12	13	4
2028	3	2	0	12	14	5
2029	3	2	0	13	14	4
2030	3	2	0	13	14	5
2031	3	3	0	14	15	4
2032	3	3	0	14	15	5
2033	3	3	0	15	16	4
2034	3	3	0	16	17	4
2035	2	3	0	16	17	4
2036	2	3	0	17	18	5
2037	2	3	0	17	18	4
2038	2	3	0	18	19	4
2039	2	3	0	19	19	5
2040	2	3	0	19	20	4
2041	2	3	0	20	21	4
2042	2	3	0	21	21	5
2043	1	3	0	22	22	5
2044	1	4	0	22	23	4
2045	1	4	0	23	24	5
2046	1	4	0	24	25	5
2047	1	4	0	25	26	5
2048	1	4	0	26	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
NOM	80	84	7	478	514	135
NPV	29	22	2	115	128	40

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	4	0
2015	1	0	1	0	0	0	8	0
2016	1	0	1	0	0	0	13	0
2017	1	0	1	0	0	0	11	0
2018	1	0	1	0	0	0	15	0
2019	1	0	1	0	0	0	21	0
2020	1	0	1	0	0	0	19	0
2021	1	0	1	0	0	0	18	0
2022	1	0	1	0	0	0	17	0
2023	1	0	1	0	0	0	17	0
2024	1	0	1	0	0	0	15	0
2025	0	0	1	0	0	0	19	0
2026	0	0	1	0	0	0	17	0
2027	0	0	1	0	0	0	16	0
2028	0	0	1	0	0	0	19	0
2029	0	0	1	0	0	0	14	0
2030	0	0	1	0	0	0	17	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	18	0
2034	0	0	1	0	0	0	13	0
2035	0	0	0	0	0	0	12	0
2036	0	0	0	0	0	0	14	0
2037	0	0	0	0	0	0	14	0
2038	0	0	0	0	0	0	13	0
2039	0	0	0	0	0	0	13	0
2040	0	0	0	0	0	0	13	0
2041	0	0	0	0	0	0	13	0
2042	0	0	0	0	0	0	15	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	15	0
2046	0	0	0	0	0	0	13	0
2047	0	0	0	0	0	0	14	0
2048	0	0	0	0	0	0	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
NOM.	14	5	19	2	3	4	519	0
NPV	6	2	8	1	1	2	189	0

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

page 8a

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	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	2	1	0	1
2028	2	3	1	0	1
2029	2	3	1	0	1
2030	3	3	1	0	1
2031	3	4	2	0	1
2032	3	4	2	0	1
2033	3	4	2	0	1
2034	4	5	2	0	1
2035	4	5	2	0	1
2036	4	6	2	0	1
2037	5	6	3	0	1
2038	5	7	3	0	1
2039	6	7	3	0	1
2040	6	8	3	0	2
2041	6	8	4	0	2
2042	7	9	4	0	2
2043	7	10	4	0	2
2044	8	11	5	0	2
2045	9	11	5	0	2
2046	9	12	5	0	2
2047	10	13	6	0	2
2048	10	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
NOM	126	165	72	0	32
NPV	22	29	13	0	6

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	41	0	41	0	0	4	0	4	(37)	(37)
2015	0	0	0	0	0	0	1	8	0	9	9	(28)
2016	0	0	0	0	0	0	1	13	0	14	14	(16)
2017	0	0	0	0	0	0	1	11	0	12	12	(6)
2018	0	0	0	0	0	0	1	15	0	16	16	6
2019	0	0	0	0	0	5	1	21	0	27	27	25
2020	0	0	47	0	47	4	1	19	0	24	(23)	10
2021	0	0	0	0	0	4	1	18	0	23	23	24
2022	0	0	0	0	0	4	1	17	0	22	22	36
2023	0	0	0	0	0	5	1	17	0	23	23	48
2024	0	0	0	0	0	4	1	15	0	20	20	58
2025	0	0	0	0	0	4	1	19	0	24	24	69
2026	0	0	55	0	55	5	1	17	0	23	(32)	55
2027	0	0	0	0	0	4	1	16	1	22	22	64
2028	0	0	0	0	0	5	1	19	1	25	25	73
2029	0	0	0	0	0	4	1	14	1	20	20	80
2030	0	0	0	0	0	5	1	17	1	23	23	87
2031	0	0	0	0	0	4	1	18	1	23	23	94
2032	0	0	63	0	64	5	1	13	1	19	(45)	82
2033	0	0	0	0	0	4	1	18	1	24	24	88
2034	0	0	0	0	0	4	1	13	1	19	19	92
2035	0	0	0	0	0	4	1	12	1	18	18	96
2036	0	0	0	0	0	5	1	14	1	20	20	100
2037	0	0	0	0	0	4	1	14	1	21	21	104
2038	0	0	73	0	74	4	1	13	1	20	(54)	94
2039	0	0	0	0	0	5	1	13	1	19	19	98
2040	0	0	0	0	0	4	1	13	2	19	19	101
2041	0	0	0	0	0	4	1	13	2	20	20	103
2042	0	0	0	0	0	5	1	15	2	22	22	106
2043	0	0	0	0	0	5	1	15	2	22	22	109
2044	0	0	85	0	85	4	1	16	2	23	(63)	102
2045	0	0	0	0	0	5	1	15	2	22	22	104
2046	0	0	0	0	0	5	1	13	2	21	21	106
2047	0	0	0	0	0	5	1	14	2	21	21	108
2048	0	0	0	0	0	5	1	17	3	25	25	110
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	364	0	366	135	24	519	32	710	345	
NPV	0	1	133	0	134	40	10	189	6	244	110	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.82

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	4	0	5	0	9	41	0	0	41	(32)	(32)
2015	9	0	0	0	9	0	0	0	0	9	(24)
2016	9	0	0	0	9	0	0	0	0	9	(16)
2017	9	0	0	0	9	0	0	0	0	9	(9)
2018	10	0	0	0	10	0	0	0	0	10	(2)
2019	10	0	0	0	10	0	0	0	0	10	6
2020	11	0	5	0	15	47	0	0	47	(32)	(15)
2021	11	0	0	0	11	0	0	0	0	11	(8)
2022	11	0	0	0	11	0	0	0	0	11	(2)
2023	11	0	0	0	11	0	0	0	0	11	4
2024	12	0	0	0	12	0	0	0	0	12	10
2025	12	0	0	0	12	0	0	0	0	12	15
2026	12	0	5	0	16	55	0	0	55	(38)	(1)
2027	12	0	0	0	12	0	0	0	0	12	4
2028	12	0	0	0	12	0	0	0	0	12	8
2029	13	0	0	0	13	0	0	0	0	13	13
2030	13	0	0	0	13	0	0	0	0	13	17
2031	13	0	0	0	13	0	0	0	0	13	21
2032	14	0	5	0	18	63	0	0	63	(45)	8
2033	15	0	0	0	15	0	0	0	0	15	12
2034	15	0	0	0	15	0	0	0	0	15	16
2035	16	0	0	0	16	0	0	0	0	16	19
2036	17	0	0	0	17	0	0	0	0	17	23
2037	17	0	0	0	17	0	0	0	0	17	26
2038	18	0	5	0	22	73	0	0	73	(51)	17
2039	19	0	0	0	19	0	0	0	0	19	20
2040	19	0	0	0	19	0	0	0	0	19	23
2041	20	0	0	0	20	0	0	0	0	20	26
2042	20	0	0	0	20	0	0	0	0	20	28
2043	22	0	0	0	22	0	0	0	0	22	31
2044	22	0	5	0	27	85	0	0	85	(58)	24
2045	23	0	0	0	23	0	0	0	0	23	27
2046	24	0	0	0	24	0	0	0	0	24	29
2047	25	0	0	0	25	0	0	0	0	25	31
2048	26	0	0	0	26	0	0	0	0	26	34
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	528	0	27	0	555	364	0	0	364	191	
NPV	155	0	12	0	167	133	0	0	133	34	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.25	

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	5	4	0	9	4	0	0	0	4	(5)	(5)
2015	0	0	0	8	0	8	8	1	0	0	9	2	(3)
2016	0	0	0	8	0	8	13	1	0	0	14	7	3
2017	0	0	0	8	0	8	11	1	0	0	12	4	6
2018	0	0	0	9	0	9	15	1	0	0	16	7	11
2019	0	0	0	9	0	9	26	1	0	0	27	18	24
2020	0	0	5	9	0	14	24	1	0	0	24	10	30
2021	0	0	0	10	0	10	22	1	0	0	23	13	38
2022	0	0	0	10	0	10	21	1	0	0	22	12	45
2023	0	0	0	10	0	10	21	1	0	0	23	12	52
2024	0	0	0	10	0	10	19	1	0	0	20	10	56
2025	0	0	0	10	0	10	23	1	0	0	24	14	63
2026	0	0	5	10	0	15	22	1	0	0	23	8	66
2027	0	0	0	11	0	11	21	1	0	1	22	11	70
2028	0	0	0	11	0	11	23	1	0	1	25	14	75
2029	0	0	0	11	0	11	19	1	0	1	20	9	78
2030	0	0	0	11	0	11	22	1	0	1	23	12	82
2031	0	0	0	12	0	12	22	1	0	1	23	12	85
2032	0	0	5	12	0	17	17	1	0	1	19	2	86
2033	0	0	0	13	0	13	23	1	0	1	24	11	89
2034	0	0	0	13	0	13	18	1	0	1	19	6	90
2035	0	0	0	14	0	14	16	1	0	1	18	4	91
2036	0	0	0	15	0	15	18	1	0	1	20	5	92
2037	0	0	0	15	0	15	19	1	0	1	21	6	93
2038	0	0	5	15	0	20	18	1	0	1	20	(1)	93
2039	0	0	0	16	0	16	17	1	0	1	19	3	94
2040	0	0	0	16	0	16	17	1	0	2	19	3	94
2041	0	0	0	17	0	17	18	1	0	2	20	3	94
2042	0	0	0	18	0	18	20	1	0	2	22	5	95
2043	0	0	0	19	0	19	19	1	0	2	22	3	95
2044	0	0	5	19	0	24	20	1	0	2	23	(1)	95
2045	0	0	0	20	0	20	19	1	0	2	22	2	96
2046	0	0	0	21	0	21	18	1	0	2	21	(0)	96
2047	0	0	0	22	0	22	18	1	0	2	21	(0)	96
2048	0	0	0	23	0	23	21	1	0	3	25	2	96
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	27	458	0	487	654	24	0	32	710	223	
NPV	0	1	12	136	0	148	229	10	0	6	244	96	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.64

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	21.91	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	28.81558	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	97,938.68	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	1.58642	
(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	***	%

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* INPUT DATA -- PART 1 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	5	0	5	3	1	41	0	0	41
2015	0	0	0	0	5	3	0	0	0	0
2016	0	0	0	0	5	3	0	0	0	0
2017	0	0	0	0	5	3	0	0	0	0
2018	0	0	0	0	5	3	0	0	0	0
2019	0	0	0	0	6	3	0	0	0	0
2020	0	5	0	5	6	3	47	0	0	47
2021	0	0	0	0	6	4	0	0	0	0
2022	0	0	0	0	6	4	0	0	0	0
2023	0	0	0	0	7	3	0	0	0	0
2024	0	0	0	0	7	3	0	0	0	0
2025	0	0	0	0	7	3	0	0	0	0
2026	0	5	0	5	7	3	55	0	0	55
2027	0	0	0	0	7	3	0	0	0	0
2028	0	0	0	0	8	3	0	0	0	0
2029	0	0	0	0	8	3	0	0	0	0
2030	0	0	0	0	8	3	0	0	0	0
2031	0	0	0	0	8	3	0	0	0	0
2032	0	5	0	5	9	3	63	0	0	63
2033	0	0	0	0	9	3	0	0	0	0
2034	0	0	0	0	10	4	0	0	0	0
2035	0	0	0	0	10	4	0	0	0	0
2036	0	0	0	0	11	4	0	0	0	0
2037	0	0	0	0	11	4	0	0	0	0
2038	0	5	0	5	12	4	73	0	0	73
2039	0	0	0	0	12	4	0	0	0	0
2040	0	0	0	0	13	4	0	0	0	0
2041	0	0	0	0	13	4	0	0	0	0
2042	0	0	0	0	14	4	0	0	0	0
2043	0	0	0	0	15	4	0	0	0	0
2044	0	5	0	5	15	4	85	0	0	85
2045	0	0	0	0	16	4	0	0	0	0
2046	0	0	0	0	17	4	0	0	0	0
2047	0	0	0	0	18	4	0	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
NOM	2	27	0	29	337	121	364	0	0	364
NPV	1	12	0	13	94	42	133	0	0	133

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 2

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	27	1	0	2	1	0	0	1	0	5	5	5	27
2020	26	1	0	2	1	0	0	1	0	5	4	9	27
2021	25	1	0	2	1	0	0	1	0	4	4	13	28
2022	24	0	0	1	1	0	0	1	0	4	3	16	29
2023	22	0	0	1	1	0	0	1	0	4	3	19	29
2024	21	0	0	1	1	0	0	1	0	4	3	22	30
2025	20	0	0	1	1	0	0	1	0	4	2	24	31
2026	19	0	0	1	1	0	0	1	0	4	2	27	32
2027	18	0	0	1	1	0	0	1	0	3	2	29	32
2028	17	0	0	1	1	0	0	1	0	3	2	30	33
2029	16	0	0	1	1	0	0	1	0	3	2	32	34
2030	15	0	0	1	0	0	0	1	0	3	1	33	35
2031	14	0	0	1	0	0	0	1	0	3	1	34	36
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	36	38
2034	11	0	0	1	0	0	0	1	0	3	1	37	39
2035	10	0	0	1	0	0	0	1	0	2	1	38	40
2036	9	0	0	1	0	0	0	1	0	2	1	39	41
2037	8	0	0	0	0	0	0	1	0	2	1	39	42
2038	7	0	0	0	0	0	0	1	0	2	0	40	43
2039	6	0	0	0	0	0	0	1	(0)	2	0	40	44
2040	5	0	0	0	1	0	0	1	(0)	2	0	41	45
2041	5	0	0	0	1	0	0	1	(0)	2	0	41	46
2042	4	0	0	0	1	0	0	1	(0)	2	0	41	47
2043	3	0	0	0	0	0	0	1	(0)	1	0	41	48
2044	3	0	0	0	0	0	0	1	(0)	1	0	42	49
2045	2	0	0	0	0	0	0	1	(0)	1	0	42	51
2046	2	0	0	0	0	0	0	1	(0)	1	0	42	52
2047	1	0	0	0	0	0	0	1	(0)	1	0	42	53
2048	1	0	0	0	0	(0)	0	1	(0)	1	0	42	55

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%

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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	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%	1	8	1	4	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	10	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	8	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	16	1	11	1	10	0	1	0	0	0	0	2
2031	4.46%	1	17	1	12	1	11	0	1	0	0	0	0	2
2032	4.46%	1	19	1	12	1	12	0	1	0	0	0	0	2
2033	4.46%	1	20	1	13	1	13	0	1	0	0	0	0	2
2034	4.46%	1	21	1	14	1	13	0	1	0	0	0	0	3
2035	4.46%	1	22	1	15	1	14	0	1	0	0	0	0	3
2036	4.46%	1	23	1	16	1	15	0	1	0	0	0	0	3
2037	4.46%	1	24	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	26	1	19	1	18	(0)	1	0	0	0	(0)	3
2040	0.00%	0	26	1	20	1	19	(0)	1	0	0	0	(0)	3
2041	0.00%	0	26	1	20	1	19	(0)	1	0	0	0	(0)	2
2042	0.00%	0	26	1	21	1	20	(0)	1	0	0	0	(0)	2
2043	0.00%	0	26	1	22	1	21	(0)	1	0	0	0	(0)	2
2044	0.00%	0	26	1	23	1	22	(0)	1	0	0	0	(0)	1
2045	0.00%	0	26	1	24	1	23	(0)	1	0	0	0	(0)	1
2046	0.00%	0	26	1	25	1	24	(0)	1	0	0	0	(0)	1
2047	0.00%	0	26	1	26	1	24	(0)	1	0	0	0	(0)	0
2048	0.00%	0	26	1	27	1	25	(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: [redacted] 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%	1	0	26	1	(0)	27	26	27
2020	7.22%	2	0	25	2	0	26	25	25
2021	6.68%	2	0	24	3	0	25	24	24
2022	6.18%	2	0	23	4	1	24	22	23
2023	5.71%	1	0	22	4	1	22	21	22
2024	5.29%	1	0	21	5	1	21	20	21
2025	4.89%	1	0	20	6	1	20	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	14
2031	4.46%	1	0	15	12	2	14	13	13
2032	4.46%	1	0	14	12	2	13	12	12
2033	4.46%	1	0	13	13	2	12	11	11
2034	4.46%	1	0	12	14	3	11	10	10
2035	4.46%	1	0	12	15	3	10	9	9
2036	4.46%	1	0	11	16	3	9	8	8
2037	4.46%	1	0	10	17	3	8	7	7
2038	4.46%	1	0	9	18	3	7	6	6
2039	2.23%	1	(0)	8	19	3	6	5	5
2040	0.00%	0	(0)	7	20	3	5	5	5
2041	0.00%	0	(0)	6	20	2	5	4	4
2042	0.00%	0	(0)	5	21	2	4	3	4
2043	0.00%	0	(0)	4	22	2	3	3	3
2044	0.00%	0	(0)	4	23	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: [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	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

* 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	5	2	0	5	7	5
2020	5	2	0	10	12	4
2021	4	2	0	10	12	4
2022	4	2	0	10	12	4
2023	4	2	0	11	12	5
2024	4	2	0	11	13	4
2025	4	2	0	12	13	4
2026	4	2	0	12	13	5
2027	3	2	0	12	13	4
2028	3	2	0	12	14	5
2029	3	2	0	13	14	4
2030	3	2	0	13	14	5
2031	3	3	0	14	15	4
2032	3	3	0	14	15	5
2033	3	3	0	15	16	4
2034	3	3	0	16	17	4
2035	2	3	0	16	17	4
2036	2	3	0	17	18	5
2037	2	3	0	17	18	4
2038	2	3	0	18	19	4
2039	2	3	0	19	19	5
2040	2	3	0	19	20	4
2041	2	3	0	20	21	4
2042	2	3	0	21	21	5
2043	1	3	0	22	22	5
2044	1	4	0	22	23	4
2045	1	4	0	23	24	5
2046	1	4	0	24	25	5
2047	1	4	0	25	26	5
2048	1	4	0	26	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
NOM	80	84	7	478	514	135
NPV	29	22	2	115	128	40

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	4	0
2015	1	0	1	0	0	0	8	0
2016	1	0	1	0	0	0	13	0
2017	1	0	1	0	0	0	11	0
2018	1	0	1	0	0	0	15	0
2019	1	0	1	0	0	0	21	0
2020	1	0	1	0	0	0	19	0
2021	1	0	1	0	0	0	18	0
2022	1	0	1	0	0	0	17	0
2023	1	0	1	0	0	0	17	0
2024	1	0	1	0	0	0	15	0
2025	0	0	1	0	0	0	19	0
2026	0	0	1	0	0	0	17	0
2027	0	0	1	0	0	0	16	0
2028	0	0	1	0	0	0	19	0
2029	0	0	1	0	0	0	14	0
2030	0	0	1	0	0	0	17	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	18	0
2034	0	0	1	0	0	0	13	0
2035	0	0	0	0	0	0	12	0
2036	0	0	0	0	0	0	14	0
2037	0	0	0	0	0	0	14	0
2038	0	0	0	0	0	0	13	0
2039	0	0	0	0	0	0	13	0
2040	0	0	0	0	0	0	13	0
2041	0	0	0	0	0	0	13	0
2042	0	0	0	0	0	0	15	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	15	0
2046	0	0	0	0	0	0	13	0
2047	0	0	0	0	0	0	14	0
2048	0	0	0	0	0	0	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
NOM.	14	5	19	2	3	4	519	0
NPV	6	2	8	1	1	2	189	0

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

page 8a

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	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	2	1	0	1
2028	2	3	1	0	1
2029	2	3	1	0	1
2030	3	3	1	0	1
2031	3	4	2	0	1
2032	3	4	2	0	1
2033	3	4	2	0	1
2034	4	5	2	0	1
2035	4	5	2	0	1
2036	4	6	2	0	1
2037	5	6	3	0	1
2038	5	7	3	0	1
2039	6	7	3	0	1
2040	6	8	3	0	2
2041	6	8	4	0	2
2042	7	9	4	0	2
2043	7	10	4	0	2
2044	8	11	5	0	2
2045	9	11	5	0	2
2046	9	12	5	0	2
2047	10	13	6	0	2
2048	10	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
NOM	126	165	72	0	32
NPV	22	29	13	0	6

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	41	0	41	0	0	4	0	4	(37)	(37)
2015	0	0	0	0	0	0	1	8	0	9	9	(28)
2016	0	0	0	0	0	0	1	13	0	14	14	(16)
2017	0	0	0	0	0	0	1	11	0	12	12	(6)
2018	0	0	0	0	0	0	1	15	0	16	16	6
2019	0	0	0	0	0	5	1	21	0	27	27	25
2020	0	0	47	0	47	4	1	19	0	24	(23)	10
2021	0	0	0	0	0	4	1	18	0	23	23	24
2022	0	0	0	0	0	4	1	17	0	22	22	36
2023	0	0	0	0	0	5	1	17	0	23	23	48
2024	0	0	0	0	0	4	1	15	0	20	20	58
2025	0	0	0	0	0	4	1	19	0	24	24	69
2026	0	0	55	0	55	5	1	17	0	23	(32)	55
2027	0	0	0	0	0	4	1	16	1	22	22	64
2028	0	0	0	0	0	5	1	19	1	25	25	73
2029	0	0	0	0	0	4	1	14	1	20	20	80
2030	0	0	0	0	0	5	1	17	1	23	23	87
2031	0	0	0	0	0	4	1	18	1	23	23	94
2032	0	0	63	0	64	5	1	13	1	19	(45)	82
2033	0	0	0	0	0	4	1	18	1	24	24	88
2034	0	0	0	0	0	4	1	13	1	19	19	92
2035	0	0	0	0	0	4	1	12	1	18	18	96
2036	0	0	0	0	0	5	1	14	1	20	20	100
2037	0	0	0	0	0	4	1	14	1	21	21	104
2038	0	0	73	0	74	4	1	13	1	20	(54)	94
2039	0	0	0	0	0	5	1	13	1	19	19	98
2040	0	0	0	0	0	4	1	13	2	19	19	101
2041	0	0	0	0	0	4	1	13	2	20	20	103
2042	0	0	0	0	0	5	1	15	2	22	22	106
2043	0	0	0	0	0	5	1	15	2	22	22	109
2044	0	0	85	0	85	4	1	16	2	23	(63)	102
2045	0	0	0	0	0	5	1	15	2	22	22	104
2046	0	0	0	0	0	5	1	13	2	21	21	106
2047	0	0	0	0	0	5	1	14	2	21	21	108
2048	0	0	0	0	0	5	1	17	3	25	25	110
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	364	0	366	135	24	519	32	710	345	
NPV	0	1	133	0	134	40	10	189	6	244	110	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 1.82

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	4	0	5	0	9	41	0	0	41	(32)	(32)
2015	9	0	0	0	9	0	0	0	0	9	(24)
2016	9	0	0	0	9	0	0	0	0	9	(16)
2017	9	0	0	0	9	0	0	0	0	9	(9)
2018	10	0	0	0	10	0	0	0	0	10	(2)
2019	10	0	0	0	10	0	0	0	0	10	6
2020	11	0	5	0	15	47	0	0	47	(32)	(15)
2021	11	0	0	0	11	0	0	0	0	11	(8)
2022	11	0	0	0	11	0	0	0	0	11	(2)
2023	11	0	0	0	11	0	0	0	0	11	4
2024	12	0	0	0	12	0	0	0	0	12	10
2025	12	0	0	0	12	0	0	0	0	12	15
2026	12	0	5	0	16	55	0	0	55	(38)	(1)
2027	12	0	0	0	12	0	0	0	0	12	4
2028	12	0	0	0	12	0	0	0	0	12	8
2029	13	0	0	0	13	0	0	0	0	13	13
2030	13	0	0	0	13	0	0	0	0	13	17
2031	13	0	0	0	13	0	0	0	0	13	21
2032	14	0	5	0	18	63	0	0	63	(45)	8
2033	15	0	0	0	15	0	0	0	0	15	12
2034	15	0	0	0	15	0	0	0	0	15	16
2035	16	0	0	0	16	0	0	0	0	16	19
2036	17	0	0	0	17	0	0	0	0	17	23
2037	17	0	0	0	17	0	0	0	0	17	26
2038	18	0	5	0	22	73	0	0	73	(51)	17
2039	19	0	0	0	19	0	0	0	0	19	20
2040	19	0	0	0	19	0	0	0	0	19	23
2041	20	0	0	0	20	0	0	0	0	20	26
2042	20	0	0	0	20	0	0	0	0	20	28
2043	22	0	0	0	22	0	0	0	0	22	31
2044	22	0	5	0	27	85	0	0	85	(58)	24
2045	23	0	0	0	23	0	0	0	0	23	27
2046	24	0	0	0	24	0	0	0	0	24	29
2047	25	0	0	0	25	0	0	0	0	25	31
2048	26	0	0	0	26	0	0	0	0	26	34
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	528	0	27	0	555	364	0	0	364	191	
NPV	155	0	12	0	167	133	0	0	133	34	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	1.25	

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	5	4	0	9	4	0	0	0	4	(5)	(5)
2015	0	0	0	8	0	8	8	1	0	0	9	2	(3)
2016	0	0	0	8	0	8	13	1	0	0	14	7	3
2017	0	0	0	8	0	8	11	1	0	0	12	4	6
2018	0	0	0	9	0	9	15	1	0	0	16	7	11
2019	0	0	0	9	0	9	26	1	0	0	27	18	24
2020	0	0	5	9	0	14	24	1	0	0	24	10	30
2021	0	0	0	10	0	10	22	1	0	0	23	13	38
2022	0	0	0	10	0	10	21	1	0	0	22	12	45
2023	0	0	0	10	0	10	21	1	0	0	23	12	52
2024	0	0	0	10	0	10	19	1	0	0	20	10	56
2025	0	0	0	10	0	10	23	1	0	0	24	14	63
2026	0	0	5	10	0	15	22	1	0	0	23	8	66
2027	0	0	0	11	0	11	21	1	0	1	22	11	70
2028	0	0	0	11	0	11	23	1	0	1	25	14	75
2029	0	0	0	11	0	11	19	1	0	1	20	9	78
2030	0	0	0	11	0	11	22	1	0	1	23	12	82
2031	0	0	0	12	0	12	22	1	0	1	23	12	85
2032	0	0	5	12	0	17	17	1	0	1	19	2	86
2033	0	0	0	13	0	13	23	1	0	1	24	11	89
2034	0	0	0	13	0	13	18	1	0	1	19	6	90
2035	0	0	0	14	0	14	16	1	0	1	18	4	91
2036	0	0	0	15	0	15	18	1	0	1	20	5	92
2037	0	0	0	15	0	15	19	1	0	1	21	6	93
2038	0	0	5	15	0	20	18	1	0	1	20	(1)	93
2039	0	0	0	16	0	16	17	1	0	1	19	3	94
2040	0	0	0	16	0	16	17	1	0	2	19	3	94
2041	0	0	0	17	0	17	18	1	0	2	20	3	94
2042	0	0	0	18	0	18	20	1	0	2	22	5	95
2043	0	0	0	19	0	19	19	1	0	2	22	3	95
2044	0	0	5	19	0	24	20	1	0	2	23	(1)	95
2045	0	0	0	20	0	20	19	1	0	2	22	2	96
2046	0	0	0	21	0	21	18	1	0	2	21	(0)	96
2047	0	0	0	22	0	22	18	1	0	2	21	(0)	96
2048	0	0	0	23	0	23	21	1	0	3	25	2	96
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	27	458	0	487	654	24	0	32	710	223	
NPV	0	1	12	136	0	148	229	10	0	6	244	96	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.64

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	146.54	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	192.68464	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	1,642,742.01	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	36	YEARS
(2) GENERATOR ECONOMIC LIFE	30	YEARS
(3) T&D ECONOMIC LIFE	35	YEARS
(4) K FACTOR FOR GENERATION	1.58273	
(5) K FACTOR FOR T & D	1.56919	

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	7.45	%
* (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	2013	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2016-2019	
(4) BASE YEAR AVOIDED GENERATING COST	774.44	$/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	103.11	$/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	0.058	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50	%**
(15) GENERATOR CAPACITY FACTOR	53%	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	4.12	CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	10.15	%**

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

page 2

* INPUT DATA – PART 1 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)
2013	1	29	0	29	36	10	235	0	0	235
2014	0	0	0	0	75	19	0	0	0	0
2015	0	0	0	0	77	19	0	0	0	0
2016	0	0	0	0	78	19	0	0	0	0
2017	0	0	0	0	80	19	0	0	0	0
2018	0	0	0	0	90	21	0	0	0	0
2019	0	0	0	0	93	22	0	0	0	0
2020	0	0	0	0	97	23	0	0	0	0
2021	0	0	0	0	100	24	0	0	0	0
2022	0	0	0	0	104	25	0	0	0	0
2023	0	0	0	0	111	23	0	0	0	0
2024	0	0	0	0	113	24	0	0	0	0
2025	0	0	0	0	117	23	0	0	0	0
2026	1	29	0	30	120	23	324	0	0	324
2027	0	0	0	0	124	23	0	0	0	0
2028	0	0	0	0	127	23	0	0	0	0
2029	0	0	0	0	131	23	0	0	0	0
2030	0	0	0	0	136	23	0	0	0	0
2031	0	0	0	0	140	23	0	0	0	0
2032	0	0	0	0	148	24	0	0	0	0
2033	0	0	0	0	161	24	0	0	0	0
2034	0	0	0	0	168	24	0	0	0	0
2035	0	0	0	0	174	24	0	0	0	0
2036	0	0	0	0	188	25	0	0	0	0
2037	0	0	0	0	196	25	0	0	0	0
2038	0	0	0	0	204	25	0	0	0	0
2039	1	29	0	30	213	25	447	0	0	447
2040	0	0	0	0	221	26	0	0	0	0
2041	0	0	0	0	231	26	0	0	0	0
2042	0	0	0	0	242	26	0	0	0	0
2043	0	0	0	0	255	26	0	0	0	0
2044	0	0	0	0	268	26	0	0	0	0
2045	0	0	0	0	282	27	0	0	0	0
2046	0	0	0	0	298	27	0	0	0	0
2047	0	0	0	0	314	27	0	0	0	0
2048	0	0	0	0	331	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	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	2	87	0	89	5,843	842	1,006	0	0	1,006
NPV	1	45	0	46	1,547	286	431	0	0	431

* 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: [redacted] 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	185	4	0	12	7	3	0	6	0	32	32	32	183
2020	179	3	0	11	4	3	0	6	3	31	29	61	188
2021	170	3	0	11	4	3	0	6	2	30	26	87	192
2022	162	3	0	10	5	3	0	6	2	29	23	110	197
2023	153	3	0	10	5	3	0	6	2	28	21	131	202
2024	146	3	0	9	4	3	0	6	1	27	19	150	207
2025	138	3	0	9	4	3	0	6	1	26	17	167	212
2026	131	3	0	8	4	2	0	6	1	25	15	182	218
2027	124	2	0	8	4	2	0	6	1	24	13	195	223
2028	117	2	0	7	4	2	0	6	1	23	12	207	229
2029	110	2	0	7	4	2	0	6	1	22	11	218	234
2030	103	2	0	6	3	2	0	6	1	21	9	227	240
2031	96	2	0	6	3	2	0	6	1	20	8	235	246
2032	89	2	0	6	3	2	0	6	1	19	7	243	252
2033	82	2	0	5	3	2	0	6	1	18	7	250	259
2034	75	1	0	5	2	2	0	6	1	17	6	255	265
2035	68	1	0	4	2	1	0	6	1	16	5	261	272
2036	61	1	0	4	2	1	0	6	1	15	4	265	279
2037	54	1	0	3	1	1	0	6	1	14	4	269	286
2038	47	1	0	3	1	1	0	6	1	13	3	272	293
2039	40	1	0	3	2	1	0	6	(1)	12	3	275	300
2040	35	1	0	2	4	1	0	6	(2)	12	3	278	307
2041	31	1	0	2	4	1	0	6	(2)	11	2	280	315
2042	27	1	0	2	3	1	0	6	(2)	10	2	282	323
2043	23	0	0	1	3	1	0	6	(2)	10	2	284	331
2044	19	0	0	1	3	0	0	6	(2)	9	2	285	339
2045	15	0	0	1	3	0	0	6	(2)	9	1	287	348
2046	12	0	0	1	3	0	0	6	(2)	8	1	288	357
2047	8	0	0	0	3	0	0	6	(2)	8	1	289	365
2048	4	0	0	0	3	0	0	6	(2)	7	1	290	375

IN SERVICE COST	($000)	183
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.4%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	4.79	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58273

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	7	7	6	6	6	6	0	10	0	0	0	0	(2)
2020	7.22%	13	20	6	12	6	12	3	10	0	0	0	3	1
2021	6.68%	12	32	6	18	6	17	2	10	0	0	0	2	3
2022	6.18%	11	43	6	24	6	23	2	10	0	0	0	2	5
2023	5.71%	10	53	6	31	6	29	2	10	0	0	0	2	7
2024	5.29%	9	62	6	37	6	35	1	10	0	0	0	1	8
2025	4.89%	9	71	6	43	6	40	1	10	0	0	0	1	10
2026	4.52%	8	79	6	49	6	46	1	10	0	0	0	1	10
2027	4.46%	8	87	6	55	6	52	1	10	0	0	0	1	11
2028	4.46%	8	95	6	61	6	58	1	10	0	0	0	1	12
2029	4.46%	8	103	6	67	6	64	1	10	0	0	0	1	13
2030	4.46%	8	111	6	73	6	69	1	10	0	0	0	1	14
2031	4.46%	8	119	6	79	6	75	1	10	0	0	0	1	15
2032	4.46%	8	127	6	85	6	81	1	10	0	0	0	1	16
2033	4.46%	8	135	6	92	6	87	1	10	0	0	0	1	16
2034	4.46%	8	143	6	98	6	92	1	10	0	0	0	1	17
2035	4.46%	8	151	6	104	6	98	1	10	0	0	0	1	18
2036	4.46%	8	159	6	110	6	104	1	10	0	0	0	1	19
2037	4.46%	8	167	6	116	6	110	1	10	0	0	0	1	20
2038	4.46%	8	175	6	122	6	116	1	10	0	0	0	1	21
2039	2.23%	4	179	6	128	6	121	(1)	10	0	0	0	(1)	20
2040	0.00%	0	179	6	134	6	127	(2)	10	0	0	0	(2)	18
2041	0.00%	0	179	6	140	6	133	(2)	10	0	0	0	(2)	16
2042	0.00%	0	179	6	146	6	139	(2)	10	0	0	0	(2)	13
2043	0.00%	0	179	6	153	6	145	(2)	10	0	0	0	(2)	11
2044	0.00%	0	179	6	159	6	150	(2)	10	0	0	0	(2)	9
2045	0.00%	0	179	6	165	6	156	(2)	10	0	0	0	(2)	7
2046	0.00%	0	179	6	171	6	162	(2)	10	0	0	0	(2)	4
2047	0.00%	0	179	6	177	6	168	(2)	10	0	0	0	(2)	2
2048	0.00%	0	179	6	183	6	173	(2)	10	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)	10
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	7	0	177	6	(2)	185	179	182
2020	7.22%	13	3	171	12	1	179	170	174
2021	6.68%	12	2	165	18	3	170	162	166
2022	6.18%	11	2	159	24	5	162	153	157
2023	5.71%	10	2	153	31	7	153	146	149
2024	5.29%	9	1	146	37	8	146	138	142
2025	4.89%	9	1	140	43	10	138	131	134
2026	4.52%	8	1	134	49	10	131	124	127
2027	4.46%	8	1	128	55	11	124	117	120
2028	4.46%	8	1	122	61	12	117	110	113
2029	4.46%	8	1	116	67	13	110	103	106
2030	4.46%	8	1	110	73	14	103	96	99
2031	4.46%	8	1	104	79	15	96	89	92
2032	4.46%	8	1	98	85	16	89	82	86
2033	4.46%	8	1	92	92	16	82	75	79
2034	4.46%	8	1	85	98	17	75	68	72
2035	4.46%	8	1	79	104	18	68	61	65
2036	4.46%	8	1	73	110	19	61	54	58
2037	4.46%	8	1	67	116	20	54	47	51
2038	4.46%	8	1	61	122	21	47	40	44
2039	2.23%	4	(1)	55	128	20	40	35	38
2040	0.00%	0	(2)	49	134	18	35	31	33
2041	0.00%	0	(2)	43	140	16	31	27	29
2042	0.00%	0	(2)	37	146	13	27	23	25
2043	0.00%	0	(2)	31	153	11	23	19	21
2044	0.00%	0	(2)	24	159	9	19	15	17
2045	0.00%	0	(2)	18	165	7	15	12	14
2046	0.00%	0	(2)	12	171	4	12	8	10
2047	0.00%	0	(2)	6	177	2	8	4	6
2048	0.00%	0	(2)	0	183	0	4	0	2

* Column not specified in workbook

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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
2013	1	1	3.15	9.71	3.15	0.00	1.00	1.00
2014	1	1	3.52	7.72	3.52	0.00	1.00	1.00
2015	1	1	3.59	7.72	3.59	0.00	1.00	1.00
2016	1	1	4.65	11.27	4.65	0.00	1.00	1.00
2017	1	1	4.10	9.69	4.10	0.00	1.00	1.00
2018	1	1	4.70	19.27	4.70	0.00	1.00	1.00
2019	1	1	4.94	11.56	4.94	5.08	1.00	1.00
2020	1	1	5.44	16.97	5.44	5.40	1.00	1.00
2021	1	1	5.81	21.20	5.81	5.78	1.00	1.00
2022	1	1	5.84	12.95	5.84	5.89	1.00	1.00
2023	1	1	6.14	14.42	6.14	6.24	1.00	1.00
2024	1	1	6.47	18.53	6.47	6.56	1.00	1.00
2025	1	1	6.60	14.73	6.60	6.69	1.00	1.00
2026	1	1	6.84	18.48	6.84	6.86	1.00	1.00
2027	1	1	7.02	19.05	7.02	7.05	1.00	1.00
2028	1	1	7.00	16.05	7.00	7.06	1.00	1.00
2029	1	1	7.10	15.53	7.10	7.18	1.00	1.00
2030	1	1	7.20	15.86	7.20	7.24	1.00	1.00
2031	1	1	7.37	16.17	7.37	7.49	1.00	1.00
2032	1	1	7.58	16.52	7.58	7.65	1.00	1.00
2033	1	1	7.87	17.54	7.87	7.99	1.00	1.00
2034	1	1	8.03	17.54	8.03	8.30	1.00	1.00
2035	1	1	8.24	18.42	8.24	8.52	1.00	1.00
2036	1	1	8.46	17.22	8.46	8.66	1.00	1.00
2037	1	1	8.72	18.62	8.72	9.08	1.00	1.00
2038	1	1	9.03	19.10	9.03	9.48	1.00	1.00
2039	1	1	9.29	19.27	9.29	9.89	1.00	1.00
2040	1	1	9.53	18.86	9.53	10.24	1.00	1.00
2041	1	1	9.82	18.31	9.82	10.60	1.00	1.00
2042	1	1	10.18	18.43	10.18	11.04	1.00	1.00
2043	1	1	10.53	19.31	10.53	11.48	1.00	1.00
2044	1	1	10.87	19.67	10.87	11.90	1.00	1.00
2045	1	1	11.33	22.83	11.33	12.44	1.00	1.00
2046	1	1	11.74	23.03	11.74	12.96	1.00	1.00
2047	1	1	12.13	23.41	12.13	13.40	1.00	1.00
2048	1	1	12.55	23.46	12.55	14.01	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

*** 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)
2013	0	0	0	0	0	0
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	23	1	37	45	46
2020	31	23	1	68	81	42
2021	29	24	1	72	86	40
2022	28	24	1	75	88	40
2023	27	25	1	81	93	41
2024	26	26	1	83	97	40
2025	25	26	1	88	101	40
2026	24	27	1	91	104	39
2027	23	28	1	93	106	39
2028	22	28	1	97	107	42
2029	21	29	1	100	109	43
2030	20	30	1	102	110	44
2031	20	30	1	107	113	45
2032	19	31	1	111	116	46
2033	18	32	1	116	121	46
2034	17	33	1	120	126	46
2035	16	34	1	125	129	47
2036	15	34	2	130	132	48
2037	14	35	2	135	138	48
2038	13	36	2	140	144	47
2039	12	37	2	146	150	46
2040	11	38	2	151	155	47
2041	11	39	2	156	161	47
2042	10	40	2	163	168	47
2043	10	41	2	169	174	47
2044	9	42	2	176	180	48
2045	9	43	2	183	189	47
2046	8	44	2	190	197	47
2047	7	45	2	196	203	47
2048	7	46	2	204	213	47
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	534	991	44	3,703	3,933	1,339
NPV	184	241	10	827	905	358

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AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [redacted] A

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(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)
2013	0	0	0	0	0	0	91	0
2014	5	1	6	1	0	1	141	0
2015	5	1	5	1	0	1	141	0
2016	4	1	5	1	0	1	207	0
2017	4	1	5	1	0	1	178	0
2018	4	1	5	1	0	1	366	0
2019	4	1	5	1	0	1	212	0
2020	4	1	5	1	0	1	317	0
2021	4	1	4	1	0	1	400	0
2022	4	1	4	0	0	1	237	0
2023	3	1	4	0	0	1	265	0
2024	3	1	4	0	0	1	345	0
2025	3	1	4	0	0	1	269	0
2026	3	1	4	0	0	1	343	0
2027	3	1	4	0	0	1	353	0
2028	3	1	4	0	0	1	294	0
2029	2	1	3	0	0	1	284	0
2030	2	1	3	0	1	1	290	0
2031	2	1	3	0	1	1	295	0
2032	2	1	3	0	1	1	301	0
2033	2	1	3	0	1	1	321	0
2034	2	1	3	0	1	1	320	0
2035	2	1	3	0	1	1	337	0
2036	2	1	3	0	1	1	312	0
2037	2	1	3	0	1	1	339	0
2038	2	1	3	0	1	1	348	0
2039	2	1	3	0	1	1	350	0
2040	2	1	3	0	1	1	341	0
2041	2	1	3	0	1	1	329	0
2042	2	1	3	0	1	1	331	0
2043	2	1	3	0	1	1	347	0
2044	1	1	3	0	1	1	353	0
2045	1	1	3	0	1	1	414	0
2046	1	2	3	0	1	1	416	0
2047	1	2	3	0	1	1	422	0
2048	1	2	3	0	1	1	422	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	92	38	129	11	19	30	11,031	0
NPV	41	11	53	5	6	11	3,488	0

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

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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)
2013	0	0	1	0	1
2014	0	0	2	0	2
2015	0	0	1	0	1
2016	0	0	1	0	1
2017	0	0	1	0	1
2018	0	0	1	0	1
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	5	6	7	0	6
2024	5	7	8	0	7
2025	6	8	10	0	8
2026	7	10	11	0	9
2027	8	11	13	0	10
2028	9	12	14	0	11
2029	11	14	16	0	13
2030	12	16	18	0	14
2031	14	18	20	0	16
2032	16	20	23	0	18
2033	18	23	26	0	20
2034	20	26	29	0	22
2035	22	29	32	0	25
2036	25	32	35	0	28
2037	27	36	39	0	31
2038	30	40	43	0	34
2039	33	44	48	0	38
2040	37	48	53	0	41
2041	41	53	58	0	45
2042	45	58	64	0	50
2043	49	64	70	0	55
2044	53	70	76	0	60
2045	58	76	84	0	66
2046	64	83	91	0	71
2047	69	91	99	0	78
2048	75	99	107	0	83
	0	0	0	0	0
	0	0	0	0	0
	0	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	759	995	1,101	0	865
NPV	116	152	174	0	138

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)
2013	0	1	235	0	236	0	0	91	1	91	(144)	(144)
2014	0	0	0	0	0	0	7	141	2	149	149	(6)
2015	0	0	0	0	0	0	6	141	1	148	148	123
2016	0	0	0	0	0	0	6	207	1	215	215	296
2017	0	0	0	0	0	0	6	178	1	185	185	435
2018	0	0	0	0	0	0	6	366	1	372	372	694
2019	0	0	0	0	0	46	6	212	0	264	264	866
2020	0	0	0	0	0	42	6	317	0	365	365	1,087
2021	0	0	0	0	0	40	5	400	0	445	445	1,337
2022	0	0	0	0	0	40	5	237	0	283	283	1,485
2023	0	0	0	0	0	41	5	265	6	316	316	1,639
2024	0	0	0	0	0	40	5	345	7	396	396	1,819
2025	0	0	0	0	0	40	5	269	8	322	322	1,955
2026	0	1	324	0	325	39	5	343	9	395	71	1,983
2027	0	0	0	0	0	39	5	353	10	408	408	2,132
2028	0	0	0	0	0	42	4	294	11	351	351	2,252
2029	0	0	0	0	0	43	4	284	13	344	344	2,360
2030	0	0	0	0	0	44	4	290	14	352	352	2,464
2031	0	0	0	0	0	45	4	295	16	361	361	2,563
2032	0	0	0	0	0	46	4	301	18	370	370	2,658
2033	0	0	0	0	0	46	4	321	20	391	391	2,751
2034	0	0	0	0	0	46	4	320	22	392	392	2,837
2035	0	0	0	0	0	47	4	337	25	413	413	2,922
2036	0	0	0	0	0	48	4	312	28	392	392	2,998
2037	0	0	0	0	0	48	4	339	31	422	422	3,073
2038	0	0	0	0	0	47	4	348	34	433	433	3,145
2039	0	1	447	0	448	46	4	350	38	438	(10)	3,143
2040	0	0	0	0	0	47	4	341	41	433	433	3,205
2041	0	0	0	0	0	47	4	329	45	425	425	3,262
2042	0	0	0	0	0	47	4	331	50	432	432	3,316
2043	0	0	0	0	0	47	4	347	55	452	452	3,368
2044	0	0	0	0	0	48	4	353	60	465	465	3,419
2045	0	0	0	0	0	47	4	414	66	530	530	3,472
2046	0	0	0	0	0	47	4	416	71	538	538	3,522
2047	0	0	0	0	0	47	4	422	78	551	551	3,570
2048	0	0	0	0	0	47	4	422	83	556	556	3,615
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	1,006	0	1,008	1,339	159	11,031	865	13,394	12,387	
NPV	0	1	431	0	432	358	64	3,488	138	4,047	3,615	

Discount Rate: 7.45 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 9.36

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)
2013	53	0	29	0	82	235	0	0	235	(153)	(153)
2014	110	0	0	0	110	0	0	0	0	110	(50)
2015	112	0	0	0	112	0	0	0	0	112	47
2016	113	0	0	0	113	0	0	0	0	113	138
2017	115	0	0	0	115	0	0	0	0	115	224
2018	129	0	0	0	129	0	0	0	0	129	314
2019	134	0	0	0	134	0	0	0	0	134	402
2020	140	0	0	0	140	0	0	0	0	140	486
2021	145	0	0	0	145	0	0	0	0	145	568
2022	150	0	0	0	150	0	0	0	0	150	646
2023	157	0	0	0	157	0	0	0	0	157	723
2024	160	0	0	0	160	0	0	0	0	160	796
2025	163	0	0	0	163	0	0	0	0	163	865
2026	168	0	29	0	197	324	0	0	324	(127)	815
2027	172	0	0	0	172	0	0	0	0	172	878
2028	176	0	0	0	176	0	0	0	0	176	938
2029	181	0	0	0	181	0	0	0	0	181	995
2030	187	0	0	0	187	0	0	0	0	187	1,050
2031	192	0	0	0	192	0	0	0	0	192	1,103
2032	202	0	0	0	202	0	0	0	0	202	1,154
2033	218	0	0	0	218	0	0	0	0	218	1,206
2034	226	0	0	0	226	0	0	0	0	226	1,256
2035	234	0	0	0	234	0	0	0	0	234	1,304
2036	251	0	0	0	251	0	0	0	0	251	1,352
2037	261	0	0	0	261	0	0	0	0	261	1,399
2038	271	0	0	0	271	0	0	0	0	271	1,444
2039	282	0	29	0	311	447	0	0	447	(135)	1,423
2040	292	0	0	0	292	0	0	0	0	292	1,465
2041	304	0	0	0	304	0	0	0	0	304	1,506
2042	317	0	0	0	317	0	0	0	0	317	1,545
2043	333	0	0	0	333	0	0	0	0	333	1,584
2044	349	0	0	0	349	0	0	0	0	349	1,621
2045	367	0	0	0	367	0	0	0	0	367	1,658
2046	385	0	0	0	385	0	0	0	0	385	1,694
2047	405	0	0	0	405	0	0	0	0	405	1,730
2048	426	0	0	0	426	0	0	0	0	426	1,764
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	7,882	0	87	0	7,969	1,006	0	0	1,006	6,964	
NPV	2,150	0	45	0	2,195	431	0	0	431	1,764	

In Service of Gen Unit:	2019	
Discount Rate :	7.45	%
Benefit/Cost Ratio (Col(6) / Col(10))	5.09	

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)
2013	0	1	29	46	0	75	91	0	0	1	91	16	16
2014	0	0	0	95	0	95	141	7	0	2	149	54	67
2015	0	0	0	96	0	96	141	6	0	1	148	52	112
2016	0	0	0	97	0	97	207	6	0	1	215	118	206
2017	0	0	0	99	0	99	178	6	0	1	185	86	271
2018	0	0	0	111	0	111	366	6	0	1	372	261	453
2019	0	0	0	115	0	115	258	6	0	0	264	149	550
2020	0	0	0	120	0	120	359	6	0	0	365	245	698
2021	0	0	0	124	0	124	440	5	0	0	445	321	879
2022	0	0	0	129	0	129	277	5	0	0	283	154	959
2023	0	0	0	135	0	135	306	5	0	6	316	182	1,048
2024	0	0	0	137	0	137	385	5	0	7	396	259	1,166
2025	0	0	0	139	0	139	309	5	0	8	322	182	1,242
2026	0	1	29	143	0	173	382	5	0	9	395	223	1,330
2027	0	0	0	147	0	147	393	5	0	10	408	261	1,425
2028	0	0	0	150	0	150	336	4	0	11	351	202	1,494
2029	0	0	0	154	0	154	327	4	0	13	344	189	1,554
2030	0	0	0	159	0	159	334	4	0	14	352	194	1,611
2031	0	0	0	163	0	163	341	4	0	16	361	198	1,665
2032	0	0	0	172	0	172	348	4	0	18	370	198	1,716
2033	0	0	0	185	0	185	367	4	0	20	391	206	1,765
2034	0	0	0	192	0	192	366	4	0	22	392	200	1,809
2035	0	0	0	199	0	199	384	4	0	25	413	214	1,853
2036	0	0	0	213	0	213	361	4	0	28	392	180	1,888
2037	0	0	0	221	0	221	387	4	0	31	422	201	1,924
2038	0	0	0	230	0	230	395	4	0	34	433	203	1,957
2039	0	1	29	239	0	269	396	4	0	38	438	169	1,983
2040	0	0	0	246	0	246	388	4	0	41	433	187	2,010
2041	0	0	0	257	0	257	376	4	0	45	425	168	2,033
2042	0	0	0	268	0	268	378	4	0	50	432	164	2,053
2043	0	0	0	281	0	281	394	4	0	55	452	171	2,073
2044	0	0	0	294	0	294	401	4	0	60	465	170	2,091
2045	0	0	0	309	0	309	461	4	0	66	530	221	2,114
2046	0	0	0	324	0	324	463	4	0	71	538	214	2,134
2047	0	0	0	341	0	341	469	4	0	78	551	210	2,152
2048	0	0	0	358	0	358	469	4	0	83	556	198	2,168
	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	
NOM.	0	2	87	6,686	0	6,775	12,370	159	0	865	13,394	6,619	
NPV	0	1	45	1,833	0	1,879	3,846	64	0	138	4,047	2,168	

Discount Rate 7.45 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 2.15

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	58.32	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	76.68726	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	185,644.42	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	***	%

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* INPUT DATA – PART 1 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	12	0	12	5	4	53	0	0	53
2015	0	0	0	0	9	8	0	0	0	0
2016	0	0	0	0	9	8	0	0	0	0
2017	0	0	0	0	9	8	0	0	0	0
2018	0	0	0	0	10	8	0	0	0	0
2019	0	0	0	0	11	9	0	0	0	0
2020	0	0	0	0	11	9	0	0	0	0
2021	0	0	0	0	11	10	0	0	0	0
2022	0	0	0	0	12	10	0	0	0	0
2023	0	0	0	0	13	9	0	0	0	0
2024	0	12	0	12	13	9	68	0	0	68
2025	0	0	0	0	13	9	0	0	0	0
2026	0	0	0	0	14	9	0	0	0	0
2027	0	0	0	0	14	9	0	0	0	0
2028	0	0	0	0	14	9	0	0	0	0
2029	0	0	0	0	15	9	0	0	0	0
2030	0	0	0	0	15	9	0	0	0	0
2031	0	0	0	0	16	9	0	0	0	0
2032	0	0	0	0	17	9	0	0	0	0
2033	0	0	0	0	18	9	0	0	0	0
2034	0	12	0	12	19	9	87	0	0	87
2035	0	0	0	0	19	9	0	0	0	0
2036	0	0	0	0	21	10	0	0	0	0
2037	0	0	0	0	22	10	0	0	0	0
2038	0	0	0	0	22	10	0	0	0	0
2039	0	0	0	0	23	10	0	0	0	0
2040	0	0	0	0	24	10	0	0	0	0
2041	0	0	0	0	25	10	0	0	0	0
2042	0	0	0	0	26	10	0	0	0	0
2043	0	0	0	0	28	10	0	0	0	0
2044	0	12	0	12	29	10	111	0	0	111
2045	0	0	0	0	31	10	0	0	0	0
2046	0	0	0	0	32	10	0	0	0	0
2047	0	0	0	0	34	10	0	0	0	0
2048	0	0	0	0	35	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
NOM	1	48	0	49	640	322	319	0	0	319
NPV	0	22	0	22	177	113	119	0	0	119

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 2

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	72	1	0	5	3	1	0	2	0	13	13	13	71
2020	69	1	0	4	2	1	0	2	1	12	11	24	73
2021	66	1	0	4	2	1	0	2	1	12	10	34	75
2022	63	1	0	4	2	1	0	2	1	11	9	43	76
2023	60	1	0	4	2	1	0	2	1	11	8	51	78
2024	56	1	0	4	2	1	0	2	1	10	7	59	80
2025	54	1	0	3	2	1	0	2	0	10	6	65	82
2026	51	1	0	3	2	1	0	2	0	10	6	71	84
2027	48	1	0	3	2	1	0	2	0	9	5	76	86
2028	45	1	0	3	2	1	0	2	0	9	5	81	89
2029	43	1	0	3	1	1	0	2	0	9	4	85	91
2030	40	1	0	2	1	1	0	2	0	8	4	88	93
2031	37	1	0	2	1	1	0	2	0	8	3	92	95
2032	35	1	0	2	1	1	0	2	0	7	3	95	98
2033	32	1	0	2	1	1	0	2	0	7	3	97	100
2034	29	1	0	2	1	1	0	2	0	7	2	99	103
2035	26	1	0	2	1	1	0	2	0	6	2	101	105
2036	24	0	0	1	1	1	0	2	0	6	2	103	108
2037	21	0	0	1	1	0	0	2	0	6	2	105	111
2038	18	0	0	1	0	0	0	2	0	5	1	106	113
2039	16	0	0	1	1	0	0	2	(0)	5	1	107	116
2040	13	0	0	1	1	0	0	2	(1)	5	1	108	119
2041	12	0	0	1	1	0	0	2	(1)	4	1	109	122
2042	10	0	0	1	1	0	0	2	(1)	4	1	110	125
2043	9	0	0	1	1	0	0	2	(1)	4	1	110	128
2044	7	0	0	0	1	0	0	2	(1)	4	1	111	131
2045	6	0	0	0	1	0	0	2	(1)	3	1	111	135
2046	4	0	0	0	1	0	0	2	(1)	3	0	112	138
2047	3	0	0	0	1	0	0	2	(1)	3	0	112	142
2048	1	0	0	0	1	0	0	2	(1)	3	0	113	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

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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	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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	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	60	61
2023	5.71%	4	1	59	12	3	60	56	58
2024	5.29%	4	1	57	14	3	56	54	55
2025	4.89%	3	0	54	17	4	54	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	35	36
2032	4.46%	3	0	38	33	6	35	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

INPUT DATA – PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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

*** 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	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	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	48	12
2038	5	8	1	48	50	12
2039	5	8	1	50	51	12
2040	5	9	1	52	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
NOM	213	222	19	1,273	1,367	360
NPV	78	57	5	305	340	106

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AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [redacted] A

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(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	7	0
2015	2	0	2	0	0	0	17	0
2016	2	0	2	0	0	0	26	0
2017	2	0	2	0	0	0	21	0
2018	2	0	2	0	0	0	24	0
2019	2	0	2	0	0	0	35	0
2020	2	0	2	0	0	0	42	0
2021	2	0	2	0	0	0	38	0
2022	1	0	2	0	0	0	33	0
2023	1	0	2	0	0	0	30	0
2024	1	0	2	0	0	0	29	0
2025	1	0	2	0	0	0	37	0
2026	1	0	2	0	0	0	41	0
2027	1	0	2	0	0	0	35	0
2028	1	0	2	0	0	0	36	0
2029	1	0	1	0	0	0	27	0
2030	1	0	1	0	0	0	31	0
2031	1	0	1	0	0	0	36	0
2032	1	0	1	0	0	0	32	0
2033	1	0	1	0	0	0	33	0
2034	1	0	1	0	0	0	27	0
2035	1	0	1	0	0	0	24	0
2036	1	0	1	0	0	0	36	0
2037	1	0	1	0	0	0	37	0
2038	1	0	1	0	0	0	33	0
2039	1	1	1	0	0	0	27	0
2040	1	1	1	0	0	0	29	0
2041	1	1	1	0	0	0	31	0
2042	1	1	1	0	0	0	37	0
2043	1	1	1	0	0	0	34	0
2044	1	1	1	0	0	0	38	0
2045	1	1	1	0	0	0	34	0
2046	1	1	1	0	0	0	27	0
2047	1	1	1	0	0	0	28	0
2048	1	1	1	0	0	0	38	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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	1,092	0
NPV	17	4	21	2	2	4	380	0

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

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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	1	0	0
2023	4	5	1	0	0
2024	4	5	2	0	0
2025	4	6	2	0	0
2026	5	6	2	0	0
2027	5	7	2	0	1
2028	6	7	2	0	1
2029	6	8	3	0	1
2030	7	9	3	0	1
2031	7	10	3	0	1
2032	8	11	3	0	1
2033	9	12	4	0	1
2034	10	13	4	0	1
2035	11	14	4	0	1
2036	12	15	5	0	1
2037	13	16	5	0	1
2038	14	18	6	0	1
2039	15	19	6	0	1
2040	16	21	6	0	1
2041	17	23	7	0	2
2042	19	24	7	0	2
2043	20	26	8	0	2
2044	21	28	9	0	2
2045	23	30	9	0	2
2046	24	32	10	0	2
2047	26	34	10	0	2
2048	28	36	11	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
NOM	335	439	136	0	32
NPV	60	78	25	0	6

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	53	0	53	0	0	7	0	7	(46)	(46)
2015	0	0	0	0	0	0	3	17	0	20	20	(27)
2016	0	0	0	0	0	0	3	26	0	28	28	(3)
2017	0	0	0	0	0	0	3	21	0	24	24	16
2018	0	0	0	0	0	0	2	24	0	27	27	36
2019	0	0	0	0	0	13	2	35	0	51	51	72
2020	0	0	0	0	0	11	2	42	0	56	56	108
2021	0	0	0	0	0	11	2	38	0	52	52	139
2022	0	0	0	0	0	12	2	33	0	48	48	165
2023	0	0	0	0	0	12	2	30	0	44	44	188
2024	0	0	68	0	68	12	2	29	0	44	(25)	176
2025	0	0	0	0	0	12	2	37	0	52	52	200
2026	0	0	0	0	0	12	2	41	0	55	55	223
2027	0	0	0	0	0	12	2	35	1	50	50	242
2028	0	0	0	0	0	13	2	36	1	51	51	260
2029	0	0	0	0	0	12	2	27	1	41	41	274
2030	0	0	0	0	0	12	2	31	1	45	45	288
2031	0	0	0	0	0	12	2	36	1	50	50	303
2032	0	0	0	0	0	12	2	32	1	47	47	316
2033	0	0	0	0	0	12	2	33	1	47	47	327
2034	0	0	87	0	87	12	2	27	1	41	(46)	317
2035	0	0	0	0	0	12	2	24	1	39	39	325
2036	0	0	0	0	0	12	2	36	1	51	51	335
2037	0	0	0	0	0	12	2	37	1	52	52	345
2038	0	0	0	0	0	12	2	33	1	48	48	353
2039	0	0	0	0	0	12	2	27	1	43	43	360
2040	0	0	0	0	0	12	2	29	1	44	44	367
2041	0	0	0	0	0	12	2	31	2	47	47	374
2042	0	0	0	0	0	12	2	37	2	53	53	380
2043	0	0	0	0	0	12	2	34	2	50	50	387
2044	0	0	111	0	112	12	2	38	2	53	(59)	380
2045	0	0	0	0	0	12	1	34	2	50	50	385
2046	0	0	0	0	0	12	1	27	2	43	43	389
2047	0	0	0	0	0	12	1	28	2	44	44	393
2048	0	0	0	0	0	12	1	38	3	55	55	398
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	319	0	320	360	63	1,092	32	1,547	1,227	
NPV	0	0	119	0	119	106	26	380	6	517	398	

Discount Rate: 7.54 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 4.34

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	10	0	12	0	22	53	0	0	53	(31)	(31)
2015	18	0	0	0	18	0	0	0	0	18	(14)
2016	19	0	0	0	19	0	0	0	0	19	2
2017	19	0	0	0	19	0	0	0	0	19	18
2018	21	0	0	0	21	0	0	0	0	21	33
2019	22	0	0	0	22	0	0	0	0	22	49
2020	23	0	0	0	23	0	0	0	0	23	64
2021	23	0	0	0	23	0	0	0	0	23	78
2022	24	0	0	0	24	0	0	0	0	24	91
2023	24	0	0	0	24	0	0	0	0	24	104
2024	25	0	12	0	37	68	0	0	68	(31)	89
2025	25	0	0	0	25	0	0	0	0	25	100
2026	25	0	0	0	25	0	0	0	0	25	111
2027	26	0	0	0	26	0	0	0	0	26	121
2028	26	0	0	0	26	0	0	0	0	26	130
2029	27	0	0	0	27	0	0	0	0	27	139
2030	27	0	0	0	27	0	0	0	0	27	148
2031	28	0	0	0	28	0	0	0	0	28	156
2032	29	0	0	0	29	0	0	0	0	29	164
2033	31	0	0	0	31	0	0	0	0	31	171
2034	32	0	12	0	44	87	0	0	87	(43)	161
2035	33	0	0	0	33	0	0	0	0	33	168
2036	35	0	0	0	35	0	0	0	0	35	175
2037	36	0	0	0	36	0	0	0	0	36	182
2038	37	0	0	0	37	0	0	0	0	37	189
2039	38	0	0	0	38	0	0	0	0	38	195
2040	39	0	0	0	39	0	0	0	0	39	201
2041	40	0	0	0	40	0	0	0	0	40	206
2042	42	0	0	0	42	0	0	0	0	42	212
2043	44	0	0	0	44	0	0	0	0	44	217
2044	45	0	12	0	57	111	0	0	111	(54)	211
2045	47	0	0	0	47	0	0	0	0	47	216
2046	49	0	0	0	49	0	0	0	0	49	221
2047	51	0	0	0	51	0	0	0	0	51	225
2048	53	0	0	0	53	0	0	0	0	53	230
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	1,092	0	48	0	1,141	319	0	0	319	822	
NPV	327	0	22	0	349	119	0	0	119	230	

In Service of Gen Unit:	2019	
Discount Rate :	7.54	%
Benefit/Cost Ratio (Col(6) / Col(10))	2.94	

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	12	9	0	21	7	0	0	0	7	(13)	(13)
2015	0	0	0	17	0	17	17	3	0	0	20	3	(10)
2016	0	0	0	17	0	17	26	3	0	0	28	11	(1)
2017	0	0	0	18	0	18	21	3	0	0	24	6	4
2018	0	0	0	19	0	19	24	2	0	0	27	8	10
2019	0	0	0	20	0	20	49	2	0	0	51	31	32
2020	0	0	0	21	0	21	53	2	0	0	56	35	55
2021	0	0	0	21	0	21	49	2	0	0	52	31	73
2022	0	0	0	22	0	22	45	2	0	0	48	26	87
2023	0	0	0	22	0	22	42	2	0	0	44	22	99
2024	0	0	12	22	0	34	41	2	0	0	44	9	103
2025	0	0	0	22	0	22	49	2	0	0	52	29	116
2026	0	0	0	22	0	22	53	2	0	0	55	33	130
2027	0	0	0	23	0	23	47	2	0	1	50	27	141
2028	0	0	0	23	0	23	49	2	0	1	51	28	151
2029	0	0	0	24	0	24	39	2	0	1	41	18	157
2030	0	0	0	24	0	24	43	2	0	1	45	21	163
2031	0	0	0	25	0	25	47	2	0	1	50	25	171
2032	0	0	0	26	0	26	44	2	0	1	47	21	176
2033	0	0	0	27	0	27	45	2	0	1	47	20	181
2034	0	0	12	28	0	40	39	2	0	1	41	1	181
2035	0	0	0	29	0	29	36	2	0	1	39	10	184
2036	0	0	0	30	0	30	48	2	0	1	51	20	188
2037	0	0	0	31	0	31	49	2	0	1	52	21	192
2038	0	0	0	32	0	32	45	2	0	1	48	16	194
2039	0	0	0	33	0	33	40	2	0	1	43	10	196
2040	0	0	0	34	0	34	41	2	0	1	44	10	197
2041	0	0	0	35	0	35	43	2	0	2	47	11	199
2042	0	0	0	36	0	36	50	2	0	2	53	17	201
2043	0	0	0	38	0	38	46	2	0	2	50	12	203
2044	0	0	12	39	0	52	49	2	0	2	53	1	203
2045	0	0	0	41	0	41	46	1	0	2	50	9	204
2046	0	0	0	42	0	42	39	1	0	2	43	0	204
2047	0	0	0	44	0	44	40	1	0	2	44	(0)	204
2048	0	0	0	46	0	46	51	1	0	3	55	9	204
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	48	961	0	1,011	1,452	63	0	32	1,547	536	
NPV	0	0	22	290	0	313	485	26	0	6	517	204	

Discount Rate 7.54 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.65

INPUT DATA – PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	48.70	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	64.03755	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	438,751.54	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	36	YEARS
(2) GENERATOR ECONOMIC LIFE	30	YEARS
(3) T&D ECONOMIC LIFE	35	YEARS
(4) K FACTOR FOR GENERATION	1.58273	
(5) K FACTOR FOR T & D	1.56919	

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	7.45	%
* (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	2013	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2016-2019	
(4) BASE YEAR AVOIDED GENERATING COST	774.44	$/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	103.11	$/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	0.058	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50	%**
(15) GENERATOR CAPACITY FACTOR	53%	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	4.12	CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	10.15	%**

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	***	%

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* INPUT DATA -- PART 1 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)
2013	1	10	0	11	10	4	129	0	0	129
2014	0	0	0	0	20	7	0	0	0	0
2015	0	0	0	0	21	7	0	0	0	0
2016	0	0	0	0	21	7	0	0	0	0
2017	0	0	0	0	21	6	0	0	0	0
2018	0	0	0	0	24	7	0	0	0	0
2019	0	0	0	0	25	8	0	0	0	0
2020	0	0	0	0	26	8	0	0	0	0
2021	0	0	0	0	27	8	0	0	0	0
2022	0	0	0	0	28	9	0	0	0	0
2023	0	0	0	0	30	8	0	0	0	0
2024	0	0	0	0	30	8	0	0	0	0
2025	0	0	0	0	31	8	0	0	0	0
2026	0	0	0	0	32	8	0	0	0	0
2027	0	0	0	0	33	8	0	0	0	0
2028	1	10	0	11	34	8	187	0	0	187
2029	0	0	0	0	35	8	0	0	0	0
2030	0	0	0	0	36	8	0	0	0	0
2031	0	0	0	0	37	8	0	0	0	0
2032	0	0	0	0	40	8	0	0	0	0
2033	0	0	0	0	43	8	0	0	0	0
2034	0	0	0	0	45	8	0	0	0	0
2035	0	0	0	0	47	8	0	0	0	0
2036	0	0	0	0	50	9	0	0	0	0
2037	0	0	0	0	52	9	0	0	0	0
2038	0	0	0	0	55	9	0	0	0	0
2039	0	0	0	0	57	9	0	0	0	0
2040	0	0	0	0	59	9	0	0	0	0
2041	0	0	0	0	62	9	0	0	0	0
2042	0	0	0	0	65	9	0	0	0	0
2043	1	10	0	11	68	9	270	0	0	270
2044	0	0	0	0	72	9	0	0	0	0
2045	0	0	0	0	75	9	0	0	0	0
2046	0	0	0	0	79	9	0	0	0	0
2047	0	0	0	0	84	9	0	0	0	0
2048	0	0	0	0	88	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
NOM	2	30	0	32	1,561	292	586	0	0	586
NPV	1	15	0	15	413	99	224	0	0	224

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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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	59	1	0	4	1	1	0	2	1	10	10	20	62
2021	57	1	0	4	1	1	0	2	1	10	9	29	64
2022	54	1	0	3	1	1	0	2	1	10	8	37	66
2023	51	1	0	3	1	1	0	2	1	9	7	44	67
2024	48	1	0	3	1	1	0	2	0	9	6	50	69
2025	46	1	0	3	1	1	0	2	0	9	6	55	71
2026	43	1	0	3	1	1	0	2	0	8	5	60	72
2027	41	1	0	3	1	1	0	2	0	8	4	65	74
2028	39	1	0	2	1	1	0	2	0	8	4	69	76
2029	37	1	0	2	1	1	0	2	0	7	4	72	78
2030	34	1	0	2	1	1	0	2	0	7	3	75	80
2031	32	1	0	2	1	1	0	2	0	7	3	78	82
2032	30	1	0	2	1	1	0	2	0	6	2	81	84
2033	27	1	0	2	1	1	0	2	0	6	2	83	86
2034	25	0	0	2	1	1	0	2	0	6	2	85	88
2035	23	0	0	1	1	0	0	2	0	5	2	87	90
2036	20	0	0	1	1	0	0	2	0	5	1	88	93
2037	18	0	0	1	0	0	0	2	0	5	1	89	95
2038	16	0	0	1	0	0	0	2	0	4	1	90	97
2039	13	0	0	1	1	0	0	2	(0)	4	1	91	100
2040	12	0	0	1	1	0	0	2	(1)	4	1	92	102
2041	10	0	0	1	1	0	0	2	(1)	4	1	93	105
2042	9	0	0	1	1	0	0	2	(1)	3	1	94	107
2043	8	0	0	0	1	0	0	2	(1)	3	1	94	110
2044	6	0	0	0	1	0	0	2	(1)	3	1	95	113
2045	5	0	0	0	1	0	0	2	(1)	3	0	95	116
2046	4	0	0	0	1	0	0	2	(1)	3	0	96	119
2047	3	0	0	0	1	0	0	2	(1)	3	0	96	121
2048	1	0	0	0	1	(0)	0	2	(1)	2	0	96	125

IN SERVICE COST	($000)	61
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.4%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	4.79	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58273

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 2a OF 2

(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	13	0	3	0	0	0	0	3
2026	4.52%	3	26	2	16	2	15	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	34	2	22	2	21	0	3	0	0	0	0	4
2030	4.46%	3	37	2	24	2	23	0	3	0	0	0	0	5
2031	4.46%	3	40	2	26	2	25	0	3	0	0	0	0	5
2032	4.46%	3	42	2	28	2	27	0	3	0	0	0	0	5
2033	4.46%	3	45	2	30	2	29	0	3	0	0	0	0	5
2034	4.46%	3	48	2	32	2	31	0	3	0	0	0	0	6
2035	4.46%	3	50	2	34	2	33	0	3	0	0	0	0	6
2036	4.46%	3	53	2	37	2	35	0	3	0	0	0	0	6
2037	4.46%	3	56	2	39	2	36	0	3	0	0	0	0	7
2038	4.46%	3	58	2	41	2	38	0	3	0	0	0	0	7
2039	2.23%	1	60	2	43	2	40	(0)	3	0	0	0	(0)	7
2040	0.00%	0	60	2	45	2	42	(1)	3	0	0	0	(1)	6
2041	0.00%	0	60	2	47	2	44	(1)	3	0	0	0	(1)	5
2042	0.00%	0	60	2	49	2	46	(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: [redacted] 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	59	61
2020	7.22%	4	1	57	4	0	59	57	58
2021	6.68%	4	1	55	6	1	57	54	55
2022	6.18%	4	1	53	8	2	54	51	52
2023	5.71%	3	1	51	10	2	51	48	50
2024	5.29%	3	0	49	12	3	48	46	47
2025	4.89%	3	0	47	14	3	46	43	45
2026	4.52%	3	0	45	16	3	43	41	42
2027	4.46%	3	0	43	18	4	41	39	40
2028	4.46%	3	0	41	20	4	39	37	38
2029	4.46%	3	0	39	22	4	37	34	35
2030	4.46%	3	0	37	24	5	34	32	33
2031	4.46%	3	0	34	26	5	32	30	31
2032	4.46%	3	0	32	28	5	30	27	28
2033	4.46%	3	0	30	30	5	27	25	26
2034	4.46%	3	0	28	32	6	25	23	24
2035	4.46%	3	0	26	34	6	23	20	21
2036	4.46%	3	0	24	37	6	20	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	12
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: [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
2013	1	1	3.15	8.03	3.16	0.00	1.00	1.00
2014	1	1	3.52	7.47	3.53	0.00	1.00	1.00
2015	1	1	3.59	7.46	3.60	0.00	1.00	1.00
2016	1	1	4.65	10.78	4.67	0.00	1.00	1.00
2017	1	1	4.10	8.78	4.11	0.00	1.00	1.00
2018	1	1	4.70	14.25	4.71	0.00	1.00	1.00
2019	1	1	4.94	10.62	4.95	5.08	1.00	1.00
2020	1	1	5.44	13.60	5.45	5.40	1.00	1.00
2021	1	1	5.81	15.99	5.82	5.78	1.00	1.00
2022	1	1	5.84	12.06	5.85	5.89	1.00	1.00
2023	1	1	6.14	13.03	6.15	6.24	1.00	1.00
2024	1	1	6.47	15.49	6.48	6.56	1.00	1.00
2025	1	1	6.60	13.82	6.61	6.69	1.00	1.00
2026	1	1	6.84	15.93	6.86	6.86	1.00	1.00
2027	1	1	7.02	16.41	7.03	7.05	1.00	1.00
2028	1	1	7.00	14.90	7.02	7.06	1.00	1.00
2029	1	1	7.10	14.65	7.12	7.18	1.00	1.00
2030	1	1	7.20	14.63	7.22	7.24	1.00	1.00
2031	1	1	7.37	14.77	7.39	7.49	1.00	1.00
2032	1	1	7.58	14.56	7.59	7.65	1.00	1.00
2033	1	1	7.87	15.93	7.89	7.99	1.00	1.00
2034	1	1	8.03	15.67	8.05	8.30	1.00	1.00
2035	1	1	8.24	15.63	8.25	8.52	1.00	1.00
2036	1	1	8.46	14.40	8.47	8.66	1.00	1.00
2037	1	1	8.72	15.98	8.74	9.08	1.00	1.00
2038	1	1	9.03	16.16	9.04	9.48	1.00	1.00
2039	1	1	9.29	15.97	9.30	9.89	1.00	1.00
2040	1	1	9.53	15.90	9.54	10.24	1.00	1.00
2041	1	1	9.82	15.77	9.83	10.60	1.00	1.00
2042	1	1	10.18	15.99	10.19	11.04	1.00	1.00
2043	1	1	10.53	16.79	10.54	11.48	1.00	1.00
2044	1	1	10.87	17.01	10.88	11.90	1.00	1.00
2045	1	1	11.33	19.14	11.34	12.44	1.00	1.00
2046	1	1	11.74	19.38	11.75	12.96	1.00	1.00
2047	1	1	12.13	19.85	12.14	13.40	1.00	1.00
2048	1	1	12.55	20.13	12.57	14.01	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

*** 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)
2013	0	0	0	0	0	0
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	8	0	12	15	16
2020	10	8	0	23	27	14
2021	10	8	0	24	29	14
2022	10	8	0	25	29	14
2023	9	8	0	27	31	14
2024	9	9	0	28	32	14
2025	9	9	0	29	34	14
2026	8	9	0	30	35	13
2027	8	9	0	31	35	13
2028	8	10	0	32	35	14
2029	7	10	0	33	36	15
2030	7	10	0	34	36	15
2031	7	10	0	36	38	15
2032	6	11	0	37	39	16
2033	6	11	0	39	40	16
2034	6	11	0	40	42	15
2035	5	11	1	42	43	16
2036	5	12	1	43	44	16
2037	5	12	1	45	46	16
2038	4	12	1	47	48	16
2039	4	13	1	48	50	16
2040	4	13	1	50	52	16
2041	4	13	1	52	53	16
2042	3	14	1	54	56	16
2043	3	14	1	56	58	16
2044	3	14	1	58	60	16
2045	3	15	1	61	63	16
2046	3	15	1	63	65	16
2047	3	15	1	65	68	16
2048	2	16	1	68	71	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
NOM	181	336	15	1,231	1,307	456
NPV	63	82	4	275	301	122

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)
2013	0	0	0	0	0	0	20	0
2014	2	0	2	0	0	0	36	0
2015	2	0	2	0	0	0	36	0
2016	2	0	2	0	0	0	53	0
2017	1	0	2	0	0	0	43	0
2018	1	0	2	0	0	0	71	0
2019	1	0	2	0	0	0	52	0
2020	1	0	2	0	0	0	67	0
2021	1	0	2	0	0	0	79	0
2022	1	0	1	0	0	0	59	0
2023	1	0	1	0	0	0	63	0
2024	1	0	1	0	0	0	76	0
2025	1	0	1	0	0	0	67	0
2026	1	0	1	0	0	0	78	0
2027	1	0	1	0	0	0	80	0
2028	1	0	1	0	0	0	72	0
2029	1	0	1	0	0	0	71	0
2030	1	0	1	0	0	0	71	0
2031	1	0	1	0	0	0	71	0
2032	1	0	1	0	0	0	70	0
2033	1	0	1	0	0	0	77	0
2034	1	0	1	0	0	0	76	0
2035	1	0	1	0	0	0	75	0
2036	1	0	1	0	0	0	69	0
2037	1	0	1	0	0	0	77	0
2038	1	0	1	0	0	0	77	0
2039	1	0	1	0	0	0	76	0
2040	1	0	1	0	0	0	75	0
2041	1	0	1	0	0	0	75	0
2042	1	0	1	0	0	0	75	0
2043	1	0	1	0	0	0	79	0
2044	0	0	1	0	0	0	80	0
2045	0	0	1	0	0	0	91	0
2046	0	1	1	0	0	0	92	0
2047	0	1	1	0	0	0	94	0
2048	0	1	1	0	0	0	95	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	31	13	44	4	6	10	2,520	0
NPV	14	4	18	2	2	4	802	0

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

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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)
2013	0	0	0	0	0
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	2	2	2	0	1
2024	2	2	2	0	2
2025	2	3	3	0	2
2026	2	3	3	0	2
2027	3	4	3	0	2
2028	3	4	4	0	3
2029	4	5	4	0	3
2030	4	5	5	0	3
2031	5	6	5	0	4
2032	5	7	6	0	4
2033	6	8	7	0	5
2034	7	9	8	0	6
2035	7	10	8	0	6
2036	8	11	9	0	7
2037	9	12	10	0	8
2038	10	13	12	0	8
2039	11	15	13	0	9
2040	12	16	14	0	10
2041	13	18	15	0	11
2042	15	19	17	0	12
2043	16	21	19	0	14
2044	18	23	20	0	15
2045	19	25	22	0	16
2046	21	28	24	0	18
2047	23	30	26	0	19
2048	25	33	28	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
NOM	252	331	291	0	213
NPV	38	50	45	0	34

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)
2013	0	1	129	0	129	0	0	20	0	20	(109)	(109)
2014	0	0	0	0	0	0	2	36	0	39	39	(73)
2015	0	0	0	0	0	0	2	36	0	39	39	(40)
2016	0	0	0	0	0	0	2	53	0	55	55	5
2017	0	0	0	0	0	0	2	43	0	45	45	38
2018	0	0	0	0	0	0	2	71	0	73	73	89
2019	0	0	0	0	0	16	2	52	0	69	69	134
2020	0	0	0	0	0	14	2	67	0	83	83	185
2021	0	0	0	0	0	14	2	79	0	95	95	238
2022	0	0	0	0	0	14	2	59	0	74	74	277
2023	0	0	0	0	0	14	2	63	1	80	80	316
2024	0	0	0	0	0	14	2	76	2	93	93	358
2025	0	0	0	0	0	14	2	67	2	84	84	394
2026	0	0	0	0	0	13	2	78	2	95	95	431
2027	0	0	0	0	0	13	2	80	2	98	98	467
2028	0	1	187	0	187	14	2	72	3	91	(96)	434
2029	0	0	0	0	0	15	1	71	3	90	90	463
2030	0	0	0	0	0	15	1	71	3	91	91	490
2031	0	0	0	0	0	15	1	71	4	92	92	515
2032	0	0	0	0	0	16	1	70	4	92	92	538
2033	0	0	0	0	0	16	1	77	5	99	99	562
2034	0	0	0	0	0	15	1	76	6	98	98	583
2035	0	0	0	0	0	16	1	75	6	99	99	604
2036	0	0	0	0	0	16	1	69	7	93	93	622
2037	0	0	0	0	0	16	1	77	8	102	102	640
2038	0	0	0	0	0	16	1	77	8	103	103	657
2039	0	0	0	0	0	16	1	76	9	102	102	673
2040	0	0	0	0	0	16	1	75	10	103	103	688
2041	0	0	0	0	0	16	1	75	11	103	103	701
2042	0	0	0	0	0	16	1	75	12	105	105	714
2043	0	1	270	0	271	16	1	79	14	110	(161)	696
2044	0	0	0	0	0	16	1	80	15	113	113	708
2045	0	0	0	0	0	16	1	91	16	125	125	720
2046	0	0	0	0	0	16	1	92	18	127	127	732
2047	0	0	0	0	0	16	1	94	19	130	130	744
2048	0	0	0	0	0	16	1	95	21	133	133	754
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	586	0	588	456	54	2,520	213	3,243	2,655	
NPV	0	1	224	0	224	122	22	802	34	979	754	

Discount Rate: 7.45 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 4.36

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PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 2.4
PAGE 1 OF 1

(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)
2013	15	0	10	0	25	129	0	0	129	(104)	(104)
2014	31	0	0	0	31	0	0	0	0	31	(75)
2015	31	0	0	0	31	0	0	0	0	31	(48)
2016	32	0	0	0	32	0	0	0	0	32	(22)
2017	32	0	0	0	32	0	0	0	0	32	2
2018	36	0	0	0	36	0	0	0	0	36	27
2019	38	0	0	0	38	0	0	0	0	38	52
2020	39	0	0	0	39	0	0	0	0	39	75
2021	41	0	0	0	41	0	0	0	0	41	98
2022	42	0	0	0	42	0	0	0	0	42	120
2023	44	0	0	0	44	0	0	0	0	44	142
2024	45	0	0	0	45	0	0	0	0	45	162
2025	45	0	0	0	45	0	0	0	0	45	181
2026	47	0	0	0	47	0	0	0	0	47	199
2027	48	0	0	0	48	0	0	0	0	48	217
2028	49	0	10	0	59	187	0	0	187	(128)	173
2029	50	0	0	0	50	0	0	0	0	50	189
2030	52	0	0	0	52	0	0	0	0	52	205
2031	53	0	0	0	53	0	0	0	0	53	219
2032	56	0	0	0	56	0	0	0	0	56	233
2033	60	0	0	0	60	0	0	0	0	60	248
2034	62	0	0	0	62	0	0	0	0	62	261
2035	65	0	0	0	65	0	0	0	0	65	275
2036	69	0	0	0	69	0	0	0	0	69	288
2037	72	0	0	0	72	0	0	0	0	72	301
2038	74	0	0	0	74	0	0	0	0	74	313
2039	77	0	0	0	77	0	0	0	0	77	325
2040	80	0	0	0	80	0	0	0	0	80	337
2041	83	0	0	0	83	0	0	0	0	83	348
2042	87	0	0	0	87	0	0	0	0	87	358
2043	91	0	10	0	101	270	0	0	270	(169)	339
2044	95	0	0	0	95	0	0	0	0	95	349
2045	100	0	0	0	100	0	0	0	0	100	359
2046	105	0	0	0	105	0	0	0	0	105	369
2047	110	0	0	0	110	0	0	0	0	110	379
2048	116	0	0	0	116	0	0	0	0	116	388
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	2.172	0	30	0	2,202	586	0	0	586	1,616	
NPV	597	0	15	0	612	224	0	0	224	388	

In Service of Gen Unit:	2019	
Discount Rate :	7.45	%
Benefit/Cost Ratio (Col(6) / Col(10))	2.73	

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RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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)
2013	0	1	10	13	0	24	20	0	0	0	20	(4)	(4)
2014	0	0	0	27	0	27	36	2	0	0	39	12	8
2015	0	0	0	27	0	27	36	2	0	0	39	11	17
2016	0	0	0	27	0	27	53	2	0	0	55	28	40
2017	0	0	0	28	0	28	43	2	0	0	45	17	52
2018	0	0	0	31	0	31	71	2	0	0	73	42	82
2019	0	0	0	33	0	33	67	2	0	0	69	37	106
2020	0	0	0	34	0	34	81	2	0	0	83	49	135
2021	0	0	0	35	0	35	93	2	0	0	95	60	169
2022	0	0	0	36	0	36	72	2	0	0	74	38	189
2023	0	0	0	38	0	38	77	2	0	1	80	43	210
2024	0	0	0	38	0	38	90	2	0	2	93	55	234
2025	0	0	0	39	0	39	81	2	0	2	84	45	253
2026	0	0	0	40	0	40	91	2	0	2	95	55	275
2027	0	0	0	41	0	41	94	2	0	2	98	57	296
2028	0	1	10	42	0	53	87	2	0	3	91	38	309
2029	0	0	0	43	0	43	86	1	0	3	90	47	324
2030	0	0	0	44	0	44	86	1	0	3	91	47	338
2031	0	0	0	45	0	45	87	1	0	4	92	47	350
2032	0	0	0	48	0	48	86	1	0	4	92	44	362
2033	0	0	0	51	0	51	93	1	0	5	99	48	373
2034	0	0	0	53	0	53	91	1	0	6	98	45	383
2035	0	0	0	55	0	55	91	1	0	6	99	44	392
2036	0	0	0	59	0	59	85	1	0	7	93	34	399
2037	0	0	0	61	0	61	93	1	0	8	102	41	406
2038	0	0	0	63	0	63	93	1	0	8	103	40	412
2039	0	0	0	66	0	66	92	1	0	9	102	37	418
2040	0	0	0	68	0	68	91	1	0	10	103	35	423
2041	0	0	0	71	0	71	90	1	0	11	103	32	427
2042	0	0	0	74	0	74	91	1	0	12	105	32	431
2043	0	1	10	77	0	88	95	1	0	14	110	22	434
2044	0	0	0	81	0	81	97	1	0	15	113	32	437
2045	0	0	0	85	0	85	107	1	0	16	125	40	441
2046	0	0	0	89	0	89	108	1	0	18	127	38	445
2047	0	0	0	93	0	93	110	1	0	19	130	37	448
2048	0	0	0	98	0	98	111	1	0	21	133	35	451
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	1,852	0	1,885	2,976	54	0	213	3,243	1,358	
NPV	0	1	15	512	0	528	924	22	0	34	979	451	

Discount Rate 7.45 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.85

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	110.52	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	146.44903	kW
(3) kW LINE LOSS PERCENTAGE	7.94	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	925,808.96	kWh
(5) kWh LINE LOSS PERCENTAGE	6.24	%
(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	37	YEARS
(2) GENERATOR ECONOMIC LIFE	30	YEARS
(3) T&D ECONOMIC LIFE	35	YEARS
(4) K FACTOR FOR GENERATION	1.58562	
(5) K FACTOR FOR T & D	1.55564	

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	7.29	%
*	(11) UTILITY AFUDC RATE	6.69	%
*	(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	2012	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2015-2019	
(4) BASE YEAR AVOIDED GENERATING COST	776.56	$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	149.48	$/kW
(6) BASE YEAR DISTRIBUTION COST	39.32	$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00	%**
(8) GENERATOR FIXED O & M COST	109.68	$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50	%**
(10) TRANSMISSION FIXED O & M COST	3.28	$/kW
(11) DISTRIBUTION FIXED O & M COST	1.14	$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50	%**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.058	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50	%**
(15) GENERATOR CAPACITY FACTOR	55%	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	4.69	CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	8.70	%**

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	***	%

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* INPUT DATA -- PART 1 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)
2012	4	23	0	27	20	8	153	0	0	153
2013	0	0	0	0	38	18	0	0	0	0
2014	0	0	0	0	40	18	0	0	0	0
2015	0	0	0	0	40	18	0	0	0	0
2016	0	0	0	0	41	17	0	0	0	0
2017	0	0	0	0	47	19	0	0	0	0
2018	0	0	0	0	57	19	0	0	0	0
2019	0	0	0	0	60	20	0	0	0	0
2020	0	0	0	0	62	21	0	0	0	0
2021	0	0	0	0	65	22	0	0	0	0
2022	0	0	0	0	68	22	0	0	0	0
2023	0	0	0	0	68	23	0	0	0	0
2024	0	0	0	0	72	22	0	0	0	0
2025	0	0	0	0	76	22	0	0	0	0
2026	0	0	0	0	77	22	0	0	0	0
2027	6	23	0	29	80	22	222	0	0	222
2028	0	0	0	0	82	22	0	0	0	0
2029	0	0	0	0	84	22	0	0	0	0
2030	0	0	0	0	87	22	0	0	0	0
2031	0	0	0	0	89	22	0	0	0	0
2032	0	0	0	0	94	22	0	0	0	0
2033	0	0	0	0	101	23	0	0	0	0
2034	0	0	0	0	105	23	0	0	0	0
2035	0	0	0	0	108	23	0	0	0	0
2036	0	0	0	0	116	23	0	0	0	0
2037	0	0	0	0	120	23	0	0	0	0
2038	0	0	0	0	123	23	0	0	0	0
2039	0	0	0	0	128	23	0	0	0	0
2040	0	0	0	0	131	23	0	0	0	0
2041	0	0	0	0	136	24	0	0	0	0
2042	8	23	0	31	140	24	322	0	0	322
2043	0	0	0	0	145	24	0	0	0	0
2044	0	0	0	0	151	24	0	0	0	0
2045	0	0	0	0	158	24	0	0	0	0
2046	0	0	0	0	164	25	0	0	0	0
2047	0	0	0	0	172	25	0	0	0	0
2048	0	0	0	0	179	25	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	18	68	0	86	3,522	803	698	0	0	698
NPV	7	33	0	40	927	270	270	0	0	270

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

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CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [redacted] A

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PAGE 1 OF 2

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	147	3	0	9	5	3	0	5	0	25	25	25	144
2020	141	3	0	8	3	3	0	5	2	24	23	48	148
2021	134	3	0	8	3	2	0	5	2	23	20	68	152
2022	128	3	0	8	3	2	0	5	2	23	18	86	156
2023	121	3	0	7	3	2	0	5	1	22	16	103	159
2024	115	3	0	7	3	2	0	5	1	21	15	118	163
2025	109	2	0	6	3	2	0	5	1	20	13	131	167
2026	103	2	0	6	3	2	0	5	1	19	12	143	172
2027	98	2	0	6	3	2	0	5	1	19	11	153	176
2028	92	2	0	5	3	2	0	5	1	18	9	163	180
2029	87	2	0	5	3	2	0	5	1	17	8	171	185
2030	81	2	0	5	2	2	0	5	1	16	8	179	189
2031	76	2	0	4	2	2	0	5	1	16	7	185	194
2032	70	2	0	4	2	1	0	5	1	15	6	191	199
2033	65	1	0	4	2	1	0	5	1	14	5	197	204
2034	59	1	0	4	2	1	0	5	1	13	5	201	209
2035	54	1	0	3	1	1	0	5	1	13	4	205	214
2036	48	1	0	3	1	1	0	5	1	12	4	209	220
2037	43	1	0	3	1	1	0	5	1	11	3	212	225
2038	37	1	0	2	1	1	0	5	1	10	3	215	231
2039	32	1	0	2	2	1	0	5	(1)	10	2	217	237
2040	28	1	0	2	3	1	0	5	(2)	9	2	219	243
2041	24	1	0	1	3	1	0	5	(2)	9	2	221	249
2042	21	0	0	1	3	1	0	5	(2)	8	2	223	255
2043	18	0	0	1	3	0	0	5	(2)	8	1	224	261
2044	15	0	0	1	2	0	0	5	(2)	7	1	225	268
2045	12	0	0	1	2	0	0	5	(2)	7	1	226	274
2046	9	0	0	1	2	0	0	5	(2)	6	1	227	281
2047	6	0	0	0	2	0	0	5	(2)	6	1	228	288
2048	3	0	0	0	2	0	0	5	(2)	5	1	229	296

IN SERVICE COST ($000)	144
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.3%
PROPERTY TAX	1.89%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	41%	5.50	%
P/S	0%	0.00	%
C/S	59%	10.00	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58562

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 1.1A
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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%	5	5	5	5	5	5	0	8	0	0	0	0	(2)
2020	7.22%	10	16	5	10	5	9	2	8	0	0	0	2	0
2021	6.68%	9	25	5	14	5	14	2	8	0	0	0	2	2
2022	6.18%	9	34	5	19	5	18	2	8	0	0	0	2	4
2023	5.71%	8	42	5	24	5	23	1	8	0	0	0	1	5
2024	5.29%	8	50	5	29	5	27	1	8	0	0	0	1	6
2025	4.89%	7	56	5	34	5	32	1	8	0	0	0	1	7
2026	4.52%	6	63	5	39	5	36	1	8	0	0	0	1	8
2027	4.46%	6	69	5	43	5	41	1	8	0	0	0	1	9
2028	4.46%	6	76	5	48	5	46	1	8	0	0	0	1	9
2029	4.46%	6	82	5	53	5	50	1	8	0	0	0	1	10
2030	4.46%	6	88	5	58	5	55	1	8	0	0	0	1	11
2031	4.46%	6	95	5	63	5	59	1	8	0	0	0	1	12
2032	4.46%	6	101	5	67	5	64	1	8	0	0	0	1	12
2033	4.46%	6	107	5	72	5	68	1	8	0	0	0	1	13
2034	4.46%	6	114	5	77	5	73	1	8	0	0	0	1	14
2035	4.46%	6	120	5	82	5	77	1	8	0	0	0	1	14
2036	4.46%	6	126	5	87	5	82	1	8	0	0	0	1	15
2037	4.46%	6	133	5	91	5	87	1	8	0	0	0	1	16
2038	4.46%	6	139	5	96	5	91	1	8	0	0	0	1	16
2039	2.23%	3	142	5	101	5	96	(1)	8	0	0	0	(1)	16
2040	0.00%	0	142	5	106	5	100	(2)	8	0	0	0	(2)	14
2041	0.00%	0	142	5	111	5	105	(2)	8	0	0	0	(2)	12
2042	0.00%	0	142	5	116	5	109	(2)	8	0	0	0	(2)	11
2043	0.00%	0	142	5	120	5	114	(2)	8	0	0	0	(2)	9
2044	0.00%	0	142	5	125	5	118	(2)	8	0	0	0	(2)	7
2045	0.00%	0	142	5	130	5	123	(2)	8	0	0	0	(2)	5
2046	0.00%	0	142	5	135	5	128	(2)	8	0	0	0	(2)	4
2047	0.00%	0	142	5	140	5	132	(2)	8	0	0	0	(2)	2
2048	0.00%	0	142	5	144	5	137	(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%

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DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

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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%	5	0	140	5	(2)	147	141	144
2020	7.22%	10	2	135	10	0	141	134	138
2021	6.68%	9	2	130	14	2	134	128	131
2022	6.18%	9	2	125	19	4	128	121	124
2023	5.71%	8	1	120	24	5	121	115	118
2024	5.29%	8	1	116	29	6	115	109	112
2025	4.89%	7	1	111	34	7	109	103	106
2026	4.52%	6	1	106	39	8	103	98	101
2027	4.46%	6	1	101	43	9	98	92	95
2028	4.46%	6	1	96	48	9	92	87	90
2029	4.46%	6	1	91	53	10	87	81	84
2030	4.46%	6	1	87	58	11	81	76	79
2031	4.46%	6	1	82	63	12	76	70	73
2032	4.46%	6	1	77	67	12	70	65	68
2033	4.46%	6	1	72	72	13	65	59	62
2034	4.46%	6	1	67	77	14	59	54	57
2035	4.46%	6	1	63	82	14	54	48	51
2036	4.46%	6	1	58	87	15	48	43	46
2037	4.46%	6	1	53	91	16	43	37	40
2038	4.46%	6	1	48	96	16	37	32	35
2039	2.23%	3	(1)	43	101	16	32	28	30
2040	0.00%	0	(2)	39	106	14	28	24	26
2041	0.00%	0	(2)	34	111	12	24	21	23
2042	0.00%	0	(2)	29	116	11	21	18	20
2043	0.00%	0	(2)	24	120	9	18	15	17
2044	0.00%	0	(2)	19	125	7	15	12	14
2045	0.00%	0	(2)	14	130	5	12	9	11
2046	0.00%	0	(2)	10	135	4	9	6	8
2047	0.00%	0	(2)	5	140	2	6	3	5
2048	0.00%	0	(2)	0	144	0	3	0	2

* Column not specified in workbook

INPUT DATA – PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [redacted] 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
2012	1	1	3.24	5.86	3.24	0.00	1.00	1.00
2013	1	1	3.53	5.33	3.53	0.00	1.00	1.00
2014	1	1	3.71	5.83	3.71	0.00	1.00	1.00
2015	1	1	3.95	5.76	3.95	0.00	1.00	1.00
2016	1	1	4.36	6.11	4.36	0.00	1.00	1.00
2017	1	1	4.72	7.23	4.72	0.00	1.00	1.00
2018	1	1	5.06	8.04	5.06	0.00	1.00	1.00
2019	1	1	5.41	9.56	5.41	6.13	1.00	1.00
2020	1	1	5.90	10.73	5.90	6.27	1.00	1.00
2021	1	1	6.25	9.78	6.25	6.60	1.00	1.00
2022	1	1	6.52	10.21	6.52	6.78	1.00	1.00
2023	1	1	6.75	10.13	6.75	7.11	1.00	1.00
2024	1	1	7.29	11.48	7.29	7.70	1.00	1.00
2025	1	1	7.92	13.41	7.92	8.43	1.00	1.00
2026	1	1	8.08	12.93	8.08	8.51	1.00	1.00
2027	1	1	8.28	13.19	8.28	8.62	1.00	1.00
2028	1	1	8.36	13.36	8.36	8.63	1.00	1.00
2029	1	1	8.44	13.52	8.44	8.71	1.00	1.00
2030	1	1	8.58	13.63	8.58	8.83	1.00	1.00
2031	1	1	8.61	13.98	8.61	8.83	1.00	1.00
2032	1	1	8.55	13.62	8.55	8.74	1.00	1.00
2033	1	1	8.75	14.25	8.75	9.01	1.00	1.00
2034	1	1	8.80	14.32	8.80	9.06	1.00	1.00
2035	1	1	8.77	13.48	8.77	9.06	1.00	1.00
2036	1	1	8.97	14.82	8.97	9.29	1.00	1.00
2037	1	1	8.95	13.75	8.95	9.32	1.00	1.00
2038	1	1	9.03	13.85	9.03	9.42	1.00	1.00
2039	1	1	9.17	14.30	9.17	9.56	1.00	1.00
2040	1	1	9.20	13.71	9.20	9.63	1.00	1.00
2041	1	1	9.31	14.11	9.31	9.83	1.00	1.00
2042	1	1	9.47	14.58	9.47	10.07	1.00	1.00
2043	1	1	9.55	13.74	9.55	10.20	1.00	1.00
2044	1	1	9.64	14.30	9.64	10.38	1.00	1.00
2045	1	1	9.75	14.22	9.75	10.55	1.00	1.00
2046	1	1	9.85	13.95	9.85	10.70	1.00	1.00
2047	1	1	9.98	13.77	9.98	10.87	1.00	1.00
2048	1	1	10.14	14.28	10.14	11.09	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

* 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)
2012	0	0	0	0	0	0
2013	0	0	0	0	0	0
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	25	19	0	33	43	34
2020	24	20	1	62	76	31
2021	23	20	1	66	80	31
2022	23	21	1	70	81	34
2023	22	21	1	73	82	35
2024	21	22	1	77	88	33
2025	20	22	1	83	97	29
2026	19	23	1	86	100	29
2027	19	23	1	90	103	29
2028	18	24	1	91	104	30
2029	17	24	1	93	105	31
2030	16	25	1	95	107	31
2031	16	26	1	97	107	32
2032	15	26	1	99	106	35
2033	14	27	1	101	110	33
2034	13	28	1	103	110	35
2035	13	28	1	105	111	36
2036	12	29	1	107	114	35
2037	11	30	1	109	114	37
2038	10	31	1	111	115	38
2039	10	31	1	113	117	38
2040	9	32	1	115	118	40
2041	9	33	1	117	120	39
2042	8	34	2	119	123	39
2043	8	35	2	121	125	40
2044	7	35	2	123	127	40
2045	7	36	2	125	129	41
2046	6	37	2	128	131	42
2047	6	38	2	130	133	43
2048	5	39	2	132	136	43
	0	0	0	0	0	0
	0	0	0	0	0	0
	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	427	838	37	2,973	3,210	1,065
NPV	140	195	8	679	757	265

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AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [redacted] A

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(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)
2012	0	0	0	0	0	0	30	0
2013	4	0	4	1	0	1	53	0
2014	4	1	4	1	0	1	58	0
2015	3	1	4	1	0	1	57	0
2016	3	1	4	1	0	1	60	0
2017	3	1	4	1	0	1	72	0
2018	3	1	4	1	0	1	80	0
2019	3	1	4	1	0	1	96	0
2020	3	1	3	1	0	1	108	0
2021	3	1	3	1	0	1	97	0
2022	3	1	3	1	0	1	102	0
2023	3	1	3	1	0	1	100	0
2024	2	1	3	0	0	1	114	0
2025	2	1	3	0	0	1	135	0
2026	2	1	3	0	0	1	129	0
2027	2	1	3	0	0	1	131	0
2028	2	1	3	0	0	1	133	0
2029	2	1	3	0	0	1	135	0
2030	2	1	3	0	0	1	136	0
2031	2	1	3	0	0	1	140	0
2032	2	1	2	0	0	1	136	0
2033	2	1	2	0	0	0	142	0
2034	2	1	2	0	0	0	143	0
2035	1	1	2	0	0	0	134	0
2036	1	1	2	0	0	0	148	0
2037	1	1	2	0	0	0	136	0
2038	1	1	2	0	0	0	137	0
2039	1	1	2	0	0	0	142	0
2040	1	1	2	0	0	0	135	0
2041	1	1	2	0	0	0	140	0
2042	1	1	2	0	0	0	145	0
2043	1	1	2	0	0	0	135	0
2044	1	1	2	0	0	0	141	0
2045	1	1	2	0	0	0	140	0
2046	1	1	2	0	0	0	137	0
2047	1	1	2	0	0	0	135	0
2048	1	1	2	0	0	0	140	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	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.	72	28	100	13	7	20	4,332	0
NPV	32	8	41	6	2	9	1,297	0

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

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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)
2012	0	0	0	0	0
2013	0	0	1	0	1
2014	0	0	1	0	1
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	0	0	0	0	0
2023	4	5	4	0	3
2024	4	6	5	0	4
2025	5	6	6	0	4
2026	6	7	7	0	5
2027	7	9	8	0	6
2028	8	10	8	0	6
2029	9	11	9	0	7
2030	10	13	11	0	8
2031	11	14	12	0	9
2032	13	16	13	0	9
2033	14	19	15	0	11
2034	16	21	17	0	12
2035	18	23	18	0	13
2036	20	26	21	0	15
2037	22	29	22	0	16
2038	24	32	25	0	17
2039	27	35	27	0	19
2040	30	39	30	0	21
2041	33	43	33	0	23
2042	36	47	36	0	25
2043	40	52	40	0	28
2044	43	56	43	0	30
2045	47	62	47	0	33
2046	52	67	51	0	36
2047	56	73	56	0	39
2048	61	79	60	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
NOM	614	801	630	0	443
NPV	90	118	97	0	70

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)
2012	0	4	153	0	157	0	0	30	0	30	(128)	(128)
2013	0	0	0	0	0	0	5	53	1	58	58	(73)
2014	0	0	0	0	0	0	5	58	1	64	64	(18)
2015	0	0	0	0	0	0	5	57	1	62	62	32
2016	0	0	0	0	0	0	5	60	0	65	65	81
2017	0	0	0	0	0	0	5	72	0	77	77	135
2018	0	0	0	0	0	0	4	80	0	85	85	191
2019	0	0	0	0	0	34	4	96	0	135	135	274
2020	0	0	0	0	0	31	4	108	0	144	144	355
2021	0	0	0	0	0	31	4	97	0	133	133	426
2022	0	0	0	0	0	34	4	102	0	139	139	495
2023	0	0	0	0	0	35	4	100	3	142	142	560
2024	0	0	0	0	0	33	4	114	4	155	155	627
2025	0	0	0	0	0	29	4	135	4	172	172	696
2026	0	0	0	0	0	29	4	129	5	167	167	758
2027	0	6	222	0	228	29	3	131	6	169	(59)	737
2028	0	0	0	0	0	30	3	133	6	173	173	793
2029	0	0	0	0	0	31	3	135	7	176	176	846
2030	0	0	0	0	0	31	3	136	8	177	177	896
2031	0	0	0	0	0	32	3	140	9	184	184	945
2032	0	0	0	0	0	35	3	136	9	183	183	990
2033	0	0	0	0	0	33	3	142	11	189	189	1,033
2034	0	0	0	0	0	35	3	143	12	192	192	1,074
2035	0	0	0	0	0	36	3	134	13	186	186	1,110
2036	0	0	0	0	0	35	3	148	15	201	201	1,148
2037	0	0	0	0	0	37	3	136	16	192	192	1,180
2038	0	0	0	0	0	38	3	137	17	195	195	1,212
2039	0	0	0	0	0	38	3	142	19	202	202	1,242
2040	0	0	0	0	0	40	3	135	21	198	198	1,270
2041	0	0	0	0	0	39	3	140	23	205	205	1,296
2042	0	8	322	0	330	39	3	145	25	212	(119)	1,282
2043	0	0	0	0	0	40	2	135	28	205	205	1,305
2044	0	0	0	0	0	40	2	141	30	214	214	1,328
2045	0	0	0	0	0	41	2	140	33	216	216	1,349
2046	0	0	0	0	0	42	2	137	36	217	217	1,369
2047	0	0	0	0	0	43	2	135	39	218	218	1,387
2048	0	0	0	0	0	43	2	140	42	227	227	1,405
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	18	698	0	716	1,065	120	4,332	443	5,960	5,244	
NPV	0	7	270	0	277	265	49	1,297	70	1,682	1,405	

Discount Rate: 7.29 %

Benefit/Cost Ratio (Col(11) / Col(6)) : 6.08

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)
2012	32	0	23	0	54	153	0	0	153	(99)	(99)
2013	64	0	0	0	64	0	0	0	0	64	(40)
2014	66	0	0	0	66	0	0	0	0	66	17
2015	67	0	0	0	67	0	0	0	0	67	71
2016	66	0	0	0	66	0	0	0	0	66	121
2017	75	0	0	0	75	0	0	0	0	75	174
2018	88	0	0	0	88	0	0	0	0	88	231
2019	92	0	0	0	92	0	0	0	0	92	287
2020	96	0	0	0	96	0	0	0	0	96	342
2021	101	0	0	0	101	0	0	0	0	101	395
2022	104	0	0	0	104	0	0	0	0	104	447
2023	105	0	0	0	105	0	0	0	0	105	495
2024	109	0	0	0	109	0	0	0	0	109	542
2025	113	0	0	0	113	0	0	0	0	113	588
2026	115	0	0	0	115	0	0	0	0	115	631
2027	118	0	23	0	141	222	0	0	222	(81)	602
2028	121	0	0	0	121	0	0	0	0	121	642
2029	123	0	0	0	123	0	0	0	0	123	679
2030	127	0	0	0	127	0	0	0	0	127	714
2031	130	0	0	0	130	0	0	0	0	130	749
2032	135	0	0	0	135	0	0	0	0	135	782
2033	145	0	0	0	145	0	0	0	0	145	815
2034	150	0	0	0	150	0	0	0	0	150	847
2035	153	0	0	0	153	0	0	0	0	153	877
2036	163	0	0	0	163	0	0	0	0	163	907
2037	167	0	0	0	167	0	0	0	0	167	936
2038	171	0	0	0	171	0	0	0	0	171	963
2039	177	0	0	0	177	0	0	0	0	177	990
2040	182	0	0	0	182	0	0	0	0	182	1,015
2041	187	0	0	0	187	0	0	0	0	187	1,039
2042	193	0	23	0	215	322	0	0	322	(107)	1,026
2043	198	0	0	0	198	0	0	0	0	198	1,049
2044	206	0	0	0	206	0	0	0	0	206	1,070
2045	214	0	0	0	214	0	0	0	0	214	1,091
2046	223	0	0	0	223	0	0	0	0	223	1,112
2047	231	0	0	0	231	0	0	0	0	231	1,131
2048	241	0	0	0	241	0	0	0	0	241	1,150
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	5,046	0	68	0	5,114	698	0	0	698	4,417	
NPV	1,387	0	33	0	1,420	270	0	0	270	1,150	

In Service of Gen Unit:	2019	
Discount Rate :	7.29	%
Benefit/Cost Ratio (Col(6) / Col(10))	5.27	

page 11

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [redacted] A

PSC FORM CE 2.5
PAGE 1 OF 1

(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)
2012	0	4	23	28	0	54	30	0	0	0	30	(24)	(24)
2013	0	0	0	56	0	56	53	5	0	1	58	3	(22)
2014	0	0	0	58	0	58	58	5	0	1	64	6	(17)
2015	0	0	0	58	0	58	57	5	0	1	62	4	(14)
2016	0	0	0	58	0	58	60	5	0	0	65	7	(9)
2017	0	0	0	65	0	65	72	5	0	0	77	11	(1)
2018	0	0	0	76	0	76	80	4	0	0	85	9	5
2019	0	0	0	80	0	80	131	4	0	0	135	56	39
2020	0	0	0	83	0	83	139	4	0	0	144	61	74
2021	0	0	0	87	0	87	128	4	0	0	133	45	98
2022	0	0	0	90	0	90	135	4	0	0	139	49	122
2023	0	0	0	91	0	91	135	4	0	3	142	51	146
2024	0	0	0	95	0	95	147	4	0	4	155	60	171
2025	0	0	0	98	0	98	164	4	0	4	172	74	201
2026	0	0	0	99	0	99	158	4	0	5	167	67	226
2027	0	6	23	102	0	131	160	3	0	6	169	39	240
2028	0	0	0	104	0	104	163	3	0	6	173	69	262
2029	0	0	0	106	0	106	166	3	0	7	176	70	283
2030	0	0	0	109	0	109	167	3	0	8	177	68	303
2031	0	0	0	112	0	112	172	3	0	9	184	72	321
2032	0	0	0	116	0	116	171	3	0	9	183	67	338
2033	0	0	0	124	0	124	176	3	0	11	189	65	353
2034	0	0	0	129	0	129	178	3	0	12	192	64	366
2035	0	0	0	131	0	131	170	3	0	13	186	55	377
2036	0	0	0	139	0	139	184	3	0	15	201	62	389
2037	0	0	0	143	0	143	173	3	0	16	192	49	397
2038	0	0	0	146	0	146	175	3	0	17	195	49	405
2039	0	0	0	151	0	151	180	3	0	19	202	51	413
2040	0	0	0	155	0	155	175	3	0	21	198	44	419
2041	0	0	0	159	0	159	179	3	0	23	205	46	425
2042	0	8	23	164	0	195	184	3	0	25	212	17	427
2043	0	0	0	169	0	169	175	2	0	28	205	37	431
2044	0	0	0	175	0	175	182	2	0	30	214	39	435
2045	0	0	0	182	0	182	181	2	0	33	216	34	438
2046	0	0	0	189	0	189	179	2	0	36	217	28	441
2047	0	0	0	196	0	196	177	2	0	39	218	22	443
2048	0	0	0	204	0	204	183	2	0	42	227	23	445
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	18	68	4,325	0	4,411	5,396	120	0	443	5,960	1,548	
NPV	0	7	33	1,197	0	1,237	1,563	49	0	70	1,682	445	

Discount Rate 7.29 %

Benefit/Cost Ratio (Col(12) / Col(7)) : 1.36

EXHIBIT C

JUSTIFICATION TABLE

EXHIBIT C

COMPANY: **Florida Power & Light Company**
TITLE: **Schedule CT-6 of Exhibit AS-1**
DOCKET TITLE: **In re: Energy Conservation Cost Recovery Clause**
DOCKET NO: **150002-EG**
DATE: **May 5, 2015**

Exhibit AS-1, Schedule CT-6 Customer Information	1-5 7-18 20-31 33-44 46-57 59-70 72-83 85-96 98-109 111-122 124-135 137-148 150-161 163-174 176-187 189-200 202-213 215-226 228-239 241-252 254-265 267-278 280-291 293-304 306-312	Y	All Pages: Line A	(a), (e)	A. Sharma

EXHIBIT D

AFFIDAVIT

EXHIBIT D

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery Clause	Docket No: 150002-EG

STATE OF FLORIDA)

COUNTY OF MIAMI-DADE)

AFFIDAVIT 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 concern 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.

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

Anita Sharma

SWORN TO AND SUBSCRIBED before me this 1st day of May 2015, by Anita Sharma, who is personally known to me and who did take an oath.

Carolyn J Smith

Notary Public, State of Florida

My Commission Expires:

CAROLYN J SMITH
Notary Public - State of Florida
My Comm. Expires Sep 11, 2018
Commission # FF 122975

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