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June 6, 2025

-VIA ELECTRONIC FILING-

Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

RE: Docket No. 20250048: Petition for Approval of Florida Power & Light Company's Demand-Side Management Plan

Dear Mr. Teitzman:

Enclosed for filing in the above-referenced docket is Florida Power & Light Company's ("FPL") response to the Florida Public Service Commission Staff's Second Data Request (Nos. 1-6) pertaining to FPL's Demand-Side Management Plan.

If there are any questions regarding this filing, please contact me at (561) 304-5662.

Sincerely,

/s/ *William P. Cox*
William P. Cox
Fla. Bar No. 0093531

Enclosure

QUESTION:
Please refer to FPL's petition, Attachment 1, Appendix A, FPL DSM Program Standards, HVAC On-Bill Pilot Program Standards, page 10, specifically the table titled "Example Project Cost Recovery Schedule and Early Termination Fees", for the following questions.

a. Please explain how the $7,600 project cost was determined. As part of this response, please identify the assumptions the Utility used in this example (i.e., SEER rating of the HVAC unit, size of the unit, associated equipment to be installed, monthly credit payment, etc.).

b. Please provide revised versions of this table that include pre-payment of the load management credits as outlined in the "Monthly Service Payment" section of the HVAC Services Rider (i.e., as (1) a credit against the initial monthly fees, (2) an up-front credit, and (3) an offset against the monthly program fees).

c. Please indicate if the example table is based on a project cost for an HVAC unit with a +1 SEER higher rating than the minimum standard. If not, please provide revised tables based on a project cost for a similarly sized HVAC unit with the referenced SEER rating, with and without pre-payment of the load control credits as specified in part (b) of this question. As part of this response, please also provide the following:

   i. Tables for each scenario identified in the first part of this question that also include an incentive payment for participation in FPL's Residential HVAC program;

   ii. Identification of the assumptions that the Utility used for each scenario; and

   iii. Revised cost-effectiveness testing results for each scenario that would affect these results.

RESPONSE:
a. The $7,600 project cost was determined based on the assumed market cost to fully install a 3-ton, 15 SEER HVAC unit.

b. Please see the tables below.

Table: 15 SEER - Monthly HVAC Services Credit

	Cost Recovery Schedule				Buyout Components			Participant Cost View		
Year	Rev Req Nominal	Levelized Payment Nominal	ECCR General Body Revenue Nominal	ECCR General Body Revenue PV	(A) Unrecovered Costs(1)	(B) HVAC Services Credits	(A+B) EOY Buyout Nominal	(C) Levelized Payment Nominal	(D) HVAC Services Credits	(C-D) Annual Participant Payment
1	$2,287	$1,873	$414	$383	$8,307	-	**$8,307**	$1,873	$56	**$1,817**
2	$2,154	$1,873	$281	$241	$7,744	-	**$7,744**	$1,873	$56	**$1,817**
3	$2,023	$1,873	$150	$119	$7,075	-	**$7,075**	$1,873	$56	**$1,817**
4	$1,917	$1,873	$44	$32	$6,316	-	**$6,316**	$1,873	$56	**$1,817**
5	$1,820	$1,873	($53)	($36)	$5,470	-	**$5,470**	$1,873	$56	**$1,817**
6	$1,730	$1,873	($143)	($90)	$4,537	-	**$4,537**	$1,873	$56	**$1,817**
7	$1,655	$1,873	($218)	($127)	$3,524	-	**$3,524**	$1,873	$56	**$1,817**
8	$1,586	$1,873	($287)	($155)	$2,432	-	**$2,432**	$1,873	$56	**$1,817**
9	$1,519	$1,873	($354)	($177)	$1,255	-	**$1,255**	$1,873	$56	**$1,817**
10	$1,464	$1,873	($409)	($189)	-	-	**-**	$1,873	$56	**$1,817**
Total	**$18,154**	**$18,730**	**($576)**	**$0**						

Notes:
Based on $7,600 total cost for the installation of a 15 SEER 3 Ton HVAC System as outlined in Participant Statement of Work
1) Includes all components described in section 13a. Optional HVAC Services Agreement except HVAC Services Credits (column B)

Table: 15 SEER - Upfront HVAC Services Credit

	Cost Recovery Schedule				Buyout Components			Participant Cost View		
Year	Rev Req Nominal	Levelized Payment Nominal	ECCR General Body Revenue Nominal	ECCR General Body Revenue PV	(A) Unrecovered Costs(1)	(B) HVAC Services Credits	(A+B) EOY Buyout Nominal	(C) Levelized Payment Nominal	(D) HVAC Services Credits	(C-D) Annual Participant Payment
1	$2,287	$1,873	$414	$383	$8,307	$335	**$8,642**	$1,873	$372	**$1,501**
2	$2,154	$1,873	$281	$241	$7,744	$298	**$8,042**	$1,873	-	**$1,873**
3	$2,023	$1,873	$150	$119	$7,075	$261	**$7,336**	$1,873	-	**$1,873**
4	$1,917	$1,873	$44	$32	$6,316	$223	**$6,540**	$1,873	-	**$1,873**
5	$1,820	$1,873	($53)	($36)	$5,470	$186	**$5,657**	$1,873	-	**$1,873**
6	$1,730	$1,873	($143)	($90)	$4,537	$149	**$4,686**	$1,873	-	**$1,873**
7	$1,655	$1,873	($218)	($127)	$3,524	$112	**$3,636**	$1,873	-	**$1,873**
8	$1,586	$1,873	($287)	($155)	$2,432	$74	**$2,507**	$1,873	-	**$1,873**
9	$1,519	$1,873	($354)	($177)	$1,255	$37	**$1,293**	$1,873	-	**$1,873**
10	$1,464	$1,873	($409)	($189)	-	-	**-**	$1,873	-	**$1,873**
Total	**$18,154**	**$18,730**	**($576)**	**$0**						

Notes:
Based on $7,600 total cost for the installation of a 15 SEER 3 Ton HVAC System as outlined in Participant Statement of Work
1) Includes all components described in section 13a. Optional HVAC Services Agreement except HVAC Services Credits (column B)

c.

i. Please see the tables below.

Table: 16 SEER - Monthly HVAC Services Credit

Cost Recovery Schedule					Buyout Components			Participant Cost View			
Year	Rev Req Nominal	Levelized Payment Nominal	ECCR General Body Revenue Nominal	ECCR General Body Revenue PV	(A) Unrecovered Costs[1]	(B) HVAC Services Credits	(A+B) EOY Buyout Nominal	Levelized PMT without HVAC Rebate	(C) Levelized PMT with HVAC Rebate	(D) HVAC Services Credits	(C-D) Annual Participant Payment
1	$2,460	$2,004	$457	$423	$9,070	-	**$9,070**	$2,036	$2,004	$56	**$1,948**
2	$2,314	$2,004	$311	$266	$8,460	-	**$8,460**	$2,036	$2,004	$56	**$1,948**
3	$2,170	$2,004	$166	$132	$7,734	-	**$7,734**	$2,036	$2,004	$56	**$1,948**
4	$2,052	$2,004	$49	$36	$6,908	-	**$6,908**	$2,036	$2,004	$56	**$1,948**
5	$1,945	$2,004	($58)	($40)	$5,986	-	**$5,986**	$2,036	$2,004	$56	**$1,948**
6	$1,846	$2,004	($157)	($99)	$4,968	-	**$4,968**	$2,036	$2,004	$56	**$1,948**
7	$1,762	$2,004	($241)	($141)	$3,861	-	**$3,861**	$2,036	$2,004	$56	**$1,948**
8	$1,686	$2,004	($317)	($171)	$2,666	-	**$2,666**	$2,036	$2,004	$56	**$1,948**
9	$1,611	$2,004	($393)	($196)	$1,377	-	**$1,377**	$2,036	$2,004	$56	**$1,948**
10	$1,550	$2,004	($454)	($210)	-	-	-	$2,036	$2,004	$56	**$1,948**
Total	**$19,398**	**$20,035**	**($638)**	**$0**							

Notes:
The total cost to install a 3 Ton 16 SEER HVAC system is $8,600, as outlined in the Participant's Statement of Work. Eligible participants meeting the criteria of FPL's Residential HVAC Rebate Program receive a $200 rebate, credited on their invoice, resulting in a net total cost of $8,400. The $200 rebate is collected and paid by the Residential HVAC Rebate Program

1) Includes all components described in section 13a. Optional HVAC Services Agreement except HVAC Services Credits (column B)

Table: 16 SEER - Upfront HVAC Services Credit

Cost Recovery Schedule					Buyout Components			Participant Cost View			
Year	Rev Req Nominal	Levelized Payment Nominal	ECCR General Body Revenue Nominal	ECCR General Body Revenue PV	(A) Unrecovered Costs[1]	(B) HVAC Services Credits	(A+B) EOY Buyout Nominal	Levelized PMT without HVAC Rebate	(C) Levelized PMT with HVAC Rebate	(D) HVAC Services Credits	(C-D) Annual Participant Payment
1	$2,460	$2,004	$457	$423	$9,070	$335	**$9,405**	$2,036	$2,004	$372	**$1,631**
2	$2,314	$2,004	$311	$266	$8,460	$298	**$8,758**	$2,036	$2,004	-	**$2,004**
3	$2,170	$2,004	$166	$132	$7,734	$261	**$7,994**	$2,036	$2,004	-	**$2,004**
4	$2,052	$2,004	$49	$36	$6,908	$223	**$7,132**	$2,036	$2,004	-	**$2,004**
5	$1,945	$2,004	($58)	($40)	$5,986	$186	**$6,172**	$2,036	$2,004	-	**$2,004**
6	$1,846	$2,004	($157)	($99)	$4,968	$149	**$5,117**	$2,036	$2,004	-	**$2,004**
7	$1,762	$2,004	($241)	($141)	$3,861	$112	**$3,973**	$2,036	$2,004	-	**$2,004**
8	$1,686	$2,004	($317)	($171)	$2,666	$74	**$2,741**	$2,036	$2,004	-	**$2,004**
9	$1,611	$2,004	($393)	($196)	$1,377	$37	**$1,414**	$2,036	$2,004	-	**$2,004**
10	$1,550	$2,004	($454)	($210)	-	-	-	$2,036	$2,004	-	**$2,004**
Total	**$19,398**	**$20,035**	**($638)**	**$0**							

Notes:
The total cost to install a 3 Ton 16 SEER HVAC system is $8,600, as outlined in the Participant's Statement of Work. Eligible participants meeting the criteria of FPL's Residential HVAC Rebate Program receive a $200 rebate, credited on their invoice, resulting in a net total cost of $8,400. The $200 rebate is collected and paid by the Residential HVAC Rebate Program

1) Includes all components described in section 13a. Optional HVAC Services Agreement except HVAC Services Credits (column B)

ii. The $8,600 project cost was determined based on the assumed market cost to fully install a 3-ton, 16 SEER HVAC unit.

iii. Please see FPL's response to Staff's Second Data Request, No. 2.

QUESTION:

Please refer to FPL's petition, Attachment 1, Appendix B, Program-Level Cost Effectiveness Analyses, specifically the results for the HVAC On-Bill Pilot program, for the following questions.

a. Please identify all assumptions used in the cost-effectiveness analyses.

b. Please explain why FPL used a study period of 2023 through 2082. As part of this response, please indicate if this study period, as well as the study period for all other proposed DSM programs, is based on the following definition of the study period for conservation programs per the Cost Effectiveness Manual: "This is the economic life of the conservation program, and will generally be less than or equal to the life of the unit to be avoided." If not, please explain why, and provide revised cost-effectiveness results using the specified study period for all relevant programs.

c. Please identify the SEER rating used in the cost-effectiveness analyses. If higher than the minimum SEER standard, please provide revised cost-effectiveness testing results based on the minimum SEER rating.

d. Please explain why customer costs were not included in the Participant Test.

e. Please provide revised Participant Test results including estimated customer costs for both a 15 SEER and a 16 SEER HVAC unit. As part of this response, please identify the assumptions the Utility used.

RESPONSE:

a. The assumptions used in the cost-effectiveness analysis for HVAC on-bill are the same as FPL's On Call program except for the demand and energy savings values as illustrated below. Since the design of the HVAC on-bill program is such that the participating customer's pay all the cost of the HVAC equipment regardless of the SEER level, the equipment costs are not included in the cost-effectiveness analysis. The cost-effectiveness analysis demonstrates that avoided cost savings from the ability to control these units is greater than the Utility cost and monthly bill credits associated with having these units in the On Call program.

   The demand reduction values for HVAC on-bill are based on a weighted average of existing On Call values and 16 SEER HVAC demand values. The summer kW assumed a 16 SEER for AC Shed and the winter kW had weighting to include savings from heat pumps along with the On Call program's impact for winter Shed. See the table for assumptions below.

Year	Annual Participants	Per Customer Summer kW Reduction @ Meter	Per Customer Winter kW Reduction @ Meter	Per Customer kWh Reduction @ Meter
2025	300	1.91	3.62	2.31
2026	500	1.91	3.62	2.31
2027	750	1.91	3.62	2.31
2028	825	1.91	3.62	2.31
2029	908	1.91	3.62	2.31
2030	998	1.91	3.62	2.31
2031	1,098	1.91	3.62	2.31
2032	1,208	1.91	3.62	2.31
2033	1,329	1.91	3.62	2.31
2034	1,462	1.91	3.62	2.31

b. To capture the full benefits of the proposed DSM program of avoiding the avoided unit, every proposed DSM program had to be analyzed through the life of the avoided unit, which is Last-Year of Study = Generator In-Service Year (2033) + Generator Book Life (50 years) - 1 = 2082.

c. Please see response to sub-part a. See Attachment 1 for the cost-effectiveness test using a 15 SEER HVAC unit. See the table for assumptions below.

Year	Annual Participants	Per Customer Summer kW Reduction @ Meter	Per Customer Winter kW Reduction @ Meter	Per Customer kWh Reduction @ Meter
2025	300	2.03	3.68	2.31
2026	500	2.03	3.68	2.31
2027	750	2.03	3.68	2.31
2028	825	2.03	3.68	2.31
2029	908	2.03	3.68	2.31
2030	998	2.03	3.68	2.31
2031	1,098	2.03	3.68	2.31
2032	1,208	2.03	3.68	2.31
2033	1,329	2.03	3.68	2.31
2034	1,462	2.03	3.68	2.31

d. As explained in response to subpart a., the cost-effectiveness analysis for HVAC on-bill assumes all equipment costs are being paid by the participant, and there are no incremental investment costs that would typically be associated with Participant Test results. Like On Call, the Participant Test result is infinity since the customer has no incremental investment cost to be offset by the monthly bill credits.

e. As discussed in response to subpart d., there is no incremental customer investment cost associated with a 15 SEER (code-compliant) unit. Therefore, there is no relevant Participant Test result. For a 16 SEER unit, the Participant Test result would be the same as FPL's Residential HVAC program, which assumes a $1,000 incremental investment cost for the higher efficiency unit offset by the upfront rebate and annual energy savings associated with the higher efficiency HVAC unit. See Attachment 2, which shows the Participant Test for FPL's Residential HVAC program. Attachment 2 can also be found in FPL's petition, Attachment 1, Appendix B, Program-Level Cost Effectiveness Analyses, the results for the Residential Air Conditioning program.

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	2.28	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	2.9334	kW
(3) kW LINE LOSS PERCENTAGE	5.283657933	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	2.41	kWh ****
(5) kWh LINE LOSS PERCENTAGE	4.193444662	%
(6) GROUP LINE LOSS MULTIPLIER	1.00	
(7) CUSTOMER kWh INCREASE AT METER	0.02	kWh ****

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM	62	YEARS
(2) GENERATOR ECONOMIC LIFE	50	YEARS
(3) T&D ECONOMIC LIFE	50	YEARS
(4) K FACTOR FOR GENERATION	1.36996	
(5) K FACTOR FOR T & D	1.30645	

III. UTILITY & CUSTOMER COSTS

	(1) UTILITY NON RECURRING COST PER CUSTOMER	***	$/CUST
	(2) UTILITY RECURRING COST PER CUSTOMER	***	$/CUST
	(3) UTILITY COST ESCALATION RATE	***	%**
	(4) CUSTOMER EQUIPMENT COST	***	$/CUST
	(5) CUSTOMER EQUIPMENT ESCALATION RATE	***	%**
	(6) CUSTOMER O & M COST	***	$/CUST/YR
	(7) CUSTOMER O & M COST ESCALATION RATE	***	%**
*	(8) INCREASED SUPPLY COSTS	***	$/CUST/YR
*	(9) SUPPLY COSTS ESCALATION RATES	***	%**
*	(10) UTILITY DISCOUNT RATE	8.10	%
*	(11) UTILITY AFUDC RATE	6.22	%
*	(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	2023	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2035	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2026-2035	
(4) BASE YEAR AVOIDED GENERATING COST	786.3465858	$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0	$/kW
(6) BASE YEAR DISTRIBUTION COST	0	$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	2.00	%**
(8) GENERATOR FIXED O & M COST	11.86790512	$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.5	%**
(10) TRANSMISSION FIXED O & M COST	0	$/kW
(11) DISTRIBUTION FIXED O & M COST	0	$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.5	%**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.00795207	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.5	%**
(15) GENERATOR CAPACITY FACTOR	65	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	6.499	CENTS/kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	-2.00	%**

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	***	%

VI. COST-EFFECTIVENESS RATIOS

(1) RIM TEST	1.263
(2) TRC TEST	2.840
(3) PARTICIPANT TEST	Infinite

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

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)
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0
2025	61	14	0	75	0	0	0	0	0	0
2026	127	50	0	178	0	0	0	0	0	0
2027	220	108	0	328	0	0	0	0	0	0
2028	296	180	0	476	0	0	0	0	0	0
2029	379	260	0	639	0	0	0	0	0	0
2030	457	347	0	804	0	0	0	0	0	0
2031	534	443	0	977	0	0	0	0	0	0
2032	611	549	0	1,160	0	0	0	0	0	0
2033	698	665	0	1,364	0	0	0	0	0	0
2034	797	793	0	1,590	0	0	0	0	0	0
2035	486	793	0	1,279	0	0	0	0	0	0
2036	404	793	0	1,198	0	0	0	0	0	0
2037	323	793	0	1,116	0	0	0	0	0	0
2038	237	793	0	1,030	0	0	0	0	0	0
2039	146	793	0	940	0	0	0	0	0	0
2040	146	793	0	940	0	0	0	0	0	0
2041	149	793	0	943	0	0	0	0	0	0
2042	152	793	0	945	0	0	0	0	0	0
2043	154	793	0	947	0	0	0	0	0	0
2044	156	793	0	949	0	0	0	0	0	0
2045	248	793	0	1,041	0	0	0	0	0	0
2046	344	793	0	1,137	0	0	0	0	0	0
2047	483	793	0	1,276	0	0	0	0	0	0
2048	593	793	0	1,386	0	0	0	0	0	0
2049	714	793	0	1,508	0	0	0	0	0	0
2050	830	793	0	1,623	0	0	0	0	0	0
2051	944	793	0	1,738	0	0	0	0	0	0
2052	1,055	793	0	1,849	0	0	0	0	0	0
2053	1,180	793	0	1,973	0	0	0	0	0	0
2054	1,320	793	0	2,113	0	0	0	0	0	0
2055	805	793	0	1,599	0	0	0	0	0	0
2056	667	793	0	1,460	0	0	0	0	0	0
2057	530	793	0	1,324	0	0	0	0	0	0
2058	388	793	0	1,182	0	0	0	0	0	0
2059	240	793	0	1,033	0	0	0	0	0	0
2060	240	793	0	1,033	0	0	0	0	0	0
2061	245	793	0	1,038	0	0	0	0	0	0
2062	249	793	0	1,042	0	0	0	0	0	0
2063	252	793	0	1,045	0	0	0	0	0	0
2064	255	793	0	1,049	0	0	0	0	0	0
2065	406	793	0	1,199	0	0	0	0	0	0
2066	564	793	0	1,357	0	0	0	0	0	0
2067	791	793	0	1,584	0	0	0	0	0	0
2068	972	793	0	1,765	0	0	0	0	0	0
2069	1,170	793	0	1,964	0	0	0	0	0	0
2070	1,360	793	0	2,153	0	0	0	0	0	0
2071	1,547	793	0	2,341	0	0	0	0	0	0
2072	1,729	793	0	2,522	0	0	0	0	0	0
2073	1,933	793	0	2,727	0	0	0	0	0	0
2074	2,163	793	0	2,956	0	0	0	0	0	0
2075	1,675	793	0	2,468	0	0	0	0	0	0
2076	1,772	793	0	2,566	0	0	0	0	0	0
2077	1,840	793	0	2,633	0	0	0	0	0	0
2078	1,876	793	0	2,669	0	0	0	0	0	0
2079	1,881	793	0	2,674	0	0	0	0	0	0
2080	1,885	793	0	2,678	0	0	0	0	0	0
2081	1,889	793	0	2,682	0	0	0	0	0	0
2082	1,893	793	0	2,687	0	0	0	0	0	0
NOM	45,464	41,491	0	86,954	10	0	0	0	0	0
NPV	4,675	5,832	0	10,507	1	0	0	0	0	0

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

INPUT DATA - PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

ESCALATION RATES

Year	(1) CPI%	(2) PPI-CAP%	(3) O&M%	(4) Fuel (cents/kwh)	(5) Capacity Factor	(6) Blended Cap. Rate	(7a) Onpeak Energy Charge (cents/kwh)	(7b) Offpeak Energy Charge (cents/kwh)	(8) Demand Charge ($/kw)
2023	2.50	2.50	2.50	0.00	0.00	2.00	13.28	0.00	0.00
2024	2.50	2.50	2.50	0.00	0.00	2.00	13.94	0.00	0.00
2025	2.50	2.50	2.50	0.00	0.00	2.00	11.72	0.00	0.00
2026	2.50	2.50	2.50	0.00	0.00	2.00	12.70	0.00	0.00
2027	2.50	2.50	2.50	0.00	0.00	2.00	13.19	0.00	0.00
2028	2.50	2.50	2.50	0.00	0.00	2.00	13.34	0.00	0.00
2029	2.50	2.50	2.50	0.00	0.00	2.00	13.45	0.00	0.00
2030	2.50	2.50	2.50	0.00	0.00	2.00	14.12	0.00	0.00
2031	2.50	2.50	2.50	0.00	0.00	2.00	14.47	0.00	0.00
2032	2.50	2.50	2.50	0.00	0.00	2.00	14.85	0.00	0.00
2033	2.50	2.50	2.50	6.27	63.00	2.00	15.12	0.00	0.00
2034	2.50	2.50	2.50	6.39	65.00	2.00	15.40	0.00	0.00
2035	2.50	2.50	2.50	6.50	65.00	2.00	15.78	0.00	0.00
2036	2.50	2.50	2.50	6.37	70.00	2.00	16.13	0.00	0.00
2037	2.50	2.50	2.50	6.52	71.00	2.00	16.49	0.00	0.00
2038	2.50	2.50	2.50	6.59	74.00	2.00	16.90	0.00	0.00
2039	2.50	2.50	2.50	6.59	77.00	2.00	17.34	0.00	0.00
2040	2.50	2.50	2.50	6.77	78.00	2.00	17.70	0.00	0.00
2041	2.50	2.50	2.50	6.89	82.00	2.00	18.07	0.00	0.00
2042	2.50	2.50	2.50	6.95	81.00	2.00	18.43	0.00	0.00
2043	2.50	2.50	2.50	7.18	81.00	2.00	18.79	0.00	0.00
2044	2.50	2.50	2.50	7.37	83.00	2.00	19.25	0.00	0.00
2045	2.50	2.50	2.50	7.80	84.00	2.00	19.75	0.00	0.00
2046	2.50	2.50	2.50	7.64	86.00	2.00	20.18	0.00	0.00
2047	2.50	2.50	2.50	8.09	86.00	2.00	20.60	0.00	0.00
2048	2.50	2.50	2.50	8.47	85.00	2.00	20.98	0.00	0.00
2049	2.50	2.50	2.50	8.71	87.00	2.00	21.39	0.00	0.00
2050	2.50	2.50	2.50	9.12	88.00	2.00	21.79	0.00	0.00
2051	2.50	2.50	2.50	9.24	88.00	2.00	22.10	0.00	0.00
2052	2.50	2.50	2.50	9.13	87.00	2.00	22.57	0.00	0.00
2053	2.50	2.50	2.50	9.07	89.00	2.00	22.92	0.00	0.00
2054	2.50	2.50	2.50	8.89	90.00	2.00	23.28	0.00	0.00
2055	2.50	2.50	2.50	8.89	90.00	2.00	23.64	0.00	0.00
2056	2.50	2.50	2.50	8.72	90.00	2.00	24.01	0.00	0.00
2057	2.50	2.50	2.50	8.80	91.00	2.00	24.38	0.00	0.00
2058	2.50	2.50	2.50	8.60	92.00	2.00	24.76	0.00	0.00
2059	2.50	2.50	2.50	8.63	91.00	2.00	25.14	0.00	0.00
2060	2.50	2.50	2.50	8.53	91.00	2.00	25.52	0.00	0.00
2061	2.50	2.50	2.50	8.46	90.00	2.00	25.91	0.00	0.00
2062	2.50	2.50	2.50	8.38	91.00	2.00	26.31	0.00	0.00
2063	2.50	2.50	2.50	8.80	91.00	2.00	26.81	0.00	0.00
2064	2.50	2.50	2.50	8.59	92.00	2.00	27.32	0.00	0.00
2065	2.50	2.50	2.50	8.57	91.00	2.00	27.83	0.00	0.00
2066	2.50	2.50	2.50	8.53	91.00	2.00	28.34	0.00	0.00
2067	2.50	2.50	2.50	8.57	91.00	2.00	28.85	0.00	0.00
2068	2.50	2.50	2.50	8.50	91.00	2.00	29.36	0.00	0.00
2069	2.50	2.50	2.50	8.59	91.00	2.00	29.88	0.00	0.00
2070	2.50	2.50	2.50	8.33	91.00	2.00	30.41	0.00	0.00
2071	2.50	2.50	2.50	8.28	91.00	2.00	30.94	0.00	0.00
2072	2.50	2.50	2.50	8.23	91.00	2.00	31.49	0.00	0.00
2073	2.5	2.5	2.5	8.18	91.00	2.00	32.04	0.00	0.00
2074	2.5	2.5	2.5	8.18	91.00	2.00	32.60	0.00	0.00
2075	2.5	2.5	2.5	8.18	91.00	2.00	33.18	0.00	0.00
2076	2.5	2.5	2.5	8.18	91.00	2.00	33.77	0.00	0.00
2077	2.5	2.5	2.5	8.18	91.00	2.00	34.38	0.00	0.00
2078	2.5	2.5	2.5	8.18	91.00	2.00	35.00	0.00	0.00
2079	2.5	2.5	2.5	8.18	91.00	2.00	35.63	0.00	0.00
2080	2.5	2.5	2.5	8.18	91.00	2.00	36.29	0.00	0.00
2081	2.5	2.5	2.5	8.18	91.00	2.00	36.96	0.00	0.00
2082	2.5	2.5	2.5	8.179	91.00	2.00	37.65	0.00	0.00

Legend:	
Column (1) used for:	Utility Cost
	Customer Equipment
	Supply Costs
Column (3) used for:	Customer O&M Cost
	Generator Fixed O&M
	T&D Fixed O&M
	Generator Variable O&M
Column (6) used for:	Gen, Tran, & Dist Cost

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

YEAR	(2) MID-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) **ITC NORMALIZATION $(000)**	(12) TOTAL FIXED CHARGES $(000)	(13) PRESENT WORTH FIXED CHARGES $(000)	CUMULATIVE PW FIXED CHARGES $(000)	(15) **REPLACEMENT COST BASIS FOR PROPERTY INSURANCE $(000)**
2035	32,932	467	0	2,081	388	553	12	657	353	0	4,510	4,510	4,510	32,837
2036	32,004	454	0	2,022	770	542	12	657	(49)	0	4,407	4,077	8,587	32,180
2037	30,965	439	0	1,956	1,109	531	11	657	(410)	0	4,293	3,674	12,261	31,523
2038	29,966	425	0	1,893	1,412	519	11	657	(734)	0	4,183	3,312	15,573	30,867
2039	29,003	411	0	1,832	1,680	508	11	657	(1,023)	0	4,077	2,986	18,559	30,210
2040	28,074	398	0	1,774	1,916	497	11	657	(1,279)	0	3,974	2,692	21,251	29,553
2041	27,175	385	0	1,717	2,124	486	10	657	(1,506)	0	3,873	2,428	23,679	28,896
2042	26,306	373	0	1,662	2,305	475	10	657	(1,705)	0	3,776	2,190	25,869	28,240
2043	25,452	361	0	1,608	2,481	464	10	657	(1,900)	0	3,681	1,974	27,843	27,583
2044	24,600	349	0	1,554	2,658	453	10	657	(2,095)	0	3,585	1,779	29,623	26,926
2045	23,749	337	0	1,500	2,834	442	9	657	(2,290)	0	3,490	1,602	31,225	26,269
2046	22,897	325	0	1,447	3,011	431	9	657	(2,485)	0	3,394	1,442	32,667	25,613
2047	22,046	313	0	1,393	3,187	420	9	657	(2,679)	0	3,299	1,296	33,963	24,956
2048	21,194	301	0	1,339	3,364	409	9	657	(2,874)	0	3,203	1,164	35,127	24,299
2049	20,343	288	0	1,285	3,540	398	9	657	(3,069)	0	3,108	1,045	36,172	23,642
2050	19,491	276	0	1,231	3,717	387	8	657	(3,264)	0	3,013	937	37,110	22,986
2051	18,640	264	0	1,178	3,893	376	8	657	(3,458)	0	2,917	840	37,949	22,329
2052	17,788	252	0	1,124	4,070	365	8	657	(3,653)	0	2,822	751	38,700	21,672
2053	16,937	240	0	1,070	4,246	354	8	657	(3,848)	0	2,726	671	39,372	21,016
2054	16,085	228	0	1,016	4,423	343	7	657	(4,043)	0	2,631	599	39,971	20,359
2055	15,317	217	0	968	4,433	332	7	657	(4,070)	0	2,544	536	40,507	19,702
2056	14,717	209	0	930	4,280	321	7	657	(3,930)	0	2,473	482	40,990	19,045
2057	14,201	201	0	897	4,129	309	7	657	(3,789)	0	2,411	435	41,425	18,389
2058	13,684	194	0	865	3,977	298	6	657	(3,649)	0	2,349	392	41,817	17,732
2059	13,168	187	0	832	3,826	287	6	657	(3,509)	0	2,286	353	42,170	17,075
2060	12,652	179	0	799	3,675	276	6	657	(3,368)	0	2,224	318	42,487	16,418
2061	12,135	172	0	767	3,523	265	6	657	(3,228)	0	2,162	286	42,773	15,762
2062	11,619	165	0	734	3,372	254	5	657	(3,088)	0	2,099	257	43,029	15,105
2063	11,102	157	0	701	3,220	243	5	657	(2,947)	0	2,037	230	43,260	14,448
2064	10,586	150	0	669	3,069	232	5	657	(2,807)	0	1,975	207	43,466	13,791
2065	10,070	143	0	636	2,917	221	5	657	(2,667)	0	1,912	185	43,651	13,135
2066	9,553	135	0	604	2,766	210	4	657	(2,526)	0	1,850	166	43,817	12,478
2067	9,037	128	0	571	2,615	199	4	657	(2,386)	0	1,788	148	43,965	11,821
2068	8,520	121	0	538	2,463	188	4	657	(2,246)	0	1,725	132	44,097	11,165
2069	8,004	114	0	506	2,312	177	4	657	(2,105)	0	1,663	118	44,215	10,508
2070	7,488	106	0	473	2,160	166	4	657	(1,965)	0	1,601	105	44,320	9,851
2071	6,971	99	0	440	2,009	155	3	657	(1,824)	0	1,539	93	44,413	9,194
2072	6,455	92	0	408	1,858	144	3	657	(1,684)	0	1,476	83	44,496	8,538
2073	5,939	84	0	375	1,706	133	3	657	(1,544)	0	1,414	73	44,570	7,881
2074	5,422	77	0	343	1,555	122	3	657	(1,403)	0	1,352	65	44,635	7,224
2075	4,906	70	0	310	1,403	111	2	657	(1,263)	0	1,289	57	44,692	6,567
2076	4,389	62	0	277	1,252	111	2	657	(1,123)	0	1,238	51	44,743	6,567
2077	3,873	55	0	245	1,100	111	2	657	(982)	0	1,187	45	44,788	6,567
2078	3,357	48	0	212	949	111	2	657	(842)	0	1,136	40	44,828	6,567
2079	2,840	40	0	179	798	111	2	657	(702)	0	1,085	35	44,863	6,567
2080	2,324	33	0	147	646	111	2	657	(561)	0	1,034	31	44,894	6,567
2081	1,807	26	0	114	495	111	2	657	(421)	0	983	27	44,922	6,567
2082	1,291	18	0	82	343	111	2	657	(281)	0	932	24	44,946	6,567
2083	775	11	0	49	192	111	2	657	(140)	0	881	21	44,967	6,567
2084	258	4	0	16	41	111	2	657	0	0	830	18	44,985	6,567

IN SERVICE COST ($000)	32,837
IN SERVICE YEAR	2035
BOOK LIFE (YRS)	50
EFFEC. TAX RATE	25.345%
DISCOUNT RATE	8.10%
PROPERTY TAX	1.68%
PROPERTY INSURANCE	0.036%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST
DEBT	40.4%	3.5%
P/S	0.0%	0.0%
C/S	59.6%	10.60%

K-FACTOR = CPWFC / IN-SVC COST = 1.36996

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION $(000)	(4) ACCUMULATED TAX DEPRECIATION $(000)	(5) BOOK DEPRECIATION $(000)	(6) ACCUMULATED BOOK DEPRECIATION $(000)	(7) BOOK DEPRECIATION FOR DEFERRED TAX $(000)	(8) ACCUMULATED BOOK DEPR FOR DEFERRED TAX $(000)	(9) **DEFERRED TAX DUE TO DEPRECIATION $(000)**	(10) TOTAL EQUITY AFUDC $(000)	(11) BOOK DEPR RATE MINUS 1/LIFE	(12) (10)*(11) TAX RATE $(000)	(13) SALVAGE TAX RATE $(000)	(14) ANNUAL DEFERRED TAX (9)-(12)+(13) $(000)	(15) ACCUMULATED DEFERRED TAX $(000)
2035	3.75%	1,111	1,111	657	657	657	657	353	5,150	0	0	0	353	847
2036	7.22%	2,139	3,251	657	1,313	657	1,313	(49)	5,150	0	0	0	(49)	798
2037	6.68%	1,979	5,230	657	1,970	657	1,970	(410)	5,150	0	0	0	(410)	388
2038	6.18%	1,831	7,060	657	2,627	657	2,627	(734)	5,150	0	0	0	(734)	(346)
2039	5.71%	1,693	8,754	657	3,284	657	3,284	(1,023)	5,150	0	0	0	(1,023)	(1,369)
2040	5.29%	1,566	10,320	657	3,940	657	3,940	(1,279)	5,150	0	0	0	(1,279)	(2,648)
2041	4.89%	1,449	11,768	657	4,597	657	4,597	(1,506)	5,150	0	0	0	(1,506)	(4,154)
2042	4.52%	1,340	13,109	657	5,254	657	5,254	(1,705)	5,150	0	0	0	(1,705)	(5,859)
2043	4.46%	1,322	14,431	657	5,911	657	5,911	(1,900)	5,150	0	0	0	(1,900)	(7,760)
2044	4.46%	1,322	15,753	657	6,567	657	6,567	(2,095)	5,150	0	0	0	(2,095)	(9,855)
2045	4.46%	1,322	17,076	657	7,224	657	7,224	(2,290)	5,150	0	0	0	(2,290)	(12,144)
2046	4.46%	1,322	18,398	657	7,881	657	7,881	(2,485)	5,150	0	0	0	(2,485)	(14,629)
2047	4.46%	1,322	19,720	657	8,538	657	8,538	(2,679)	5,150	0	0	0	(2,679)	(17,308)
2048	4.46%	1,322	21,042	657	9,194	657	9,194	(2,874)	5,150	0	0	0	(2,874)	(20,182)
2049	4.46%	1,322	22,365	657	9,851	657	9,851	(3,069)	5,150	0	0	0	(3,069)	(23,251)
2050	4.46%	1,322	23,687	657	10,508	657	10,508	(3,264)	5,150	0	0	0	(3,264)	(26,515)
2051	4.46%	1,322	25,009	657	11,165	657	11,165	(3,458)	5,150	0	0	0	(3,458)	(29,973)
2052	4.46%	1,322	26,331	657	11,821	657	11,821	(3,653)	5,150	0	0	0	(3,653)	(33,627)
2053	4.46%	1,322	27,653	657	12,478	657	12,478	(3,848)	5,150	0	0	0	(3,848)	(37,475)
2054	4.46%	1,322	28,976	657	13,135	657	13,135	(4,043)	5,150	0	0	0	(4,043)	(41,517)
2055	2.23%	661	29,637	657	13,791	657	13,791	(4,070)	5,150	0	0	0	(4,070)	(45,587)
2056	0.00%	0	29,637	657	14,448	657	14,448	(3,930)	5,150	0	0	0	(3,930)	(49,517)
2057	0.00%	0	29,637	657	15,105	657	15,105	(3,789)	5,150	0	0	0	(3,789)	(53,306)
2058	0.00%	0	29,637	657	15,762	657	15,762	(3,649)	5,150	0	0	0	(3,649)	(56,955)
2059	0.00%	0	29,637	657	16,418	657	16,418	(3,509)	5,150	0	0	0	(3,509)	(60,464)
2060	0.00%	0	29,637	657	17,075	657	17,075	(3,368)	5,150	0	0	0	(3,368)	(63,832)
2061	0.00%	0	29,637	657	17,732	657	17,732	(3,228)	5,150	0	0	0	(3,228)	(67,060)
2062	0.00%	0	29,637	657	18,389	657	18,389	(3,088)	5,150	0	0	0	(3,088)	(70,148)
2063	0.00%	0	29,637	657	19,045	657	19,045	(2,947)	5,150	0	0	0	(2,947)	(73,095)
2064	0.00%	0	29,637	657	19,702	657	19,702	(2,807)	5,150	0	0	0	(2,807)	(75,902)
2065	0.00%	0	29,637	657	20,359	657	20,359	(2,667)	5,150	0	0	0	(2,667)	(78,568)
2066	0.00%	0	29,637	657	21,016	657	21,016	(2,526)	5,150	0	0	0	(2,526)	(81,095)
2067	0.00%	0	29,637	657	21,672	657	21,672	(2,386)	5,150	0	0	0	(2,386)	(83,480)
2068	0.00%	0	29,637	657	22,329	657	22,329	(2,246)	5,150	0	0	0	(2,246)	(85,726)
2069	0.00%	0	29,637	657	22,986	657	22,986	(2,105)	5,150	0	0	0	(2,105)	(87,831)
2070	0.00%	0	29,637	657	23,642	657	23,642	(1,965)	5,150	0	0	0	(1,965)	(89,796)
2071	0.00%	0	29,637	657	24,299	657	24,299	(1,824)	5,150	0	0	0	(1,824)	(91,620)
2072	0.00%	0	29,637	657	24,956	657	24,956	(1,684)	5,150	0	0	0	(1,684)	(93,305)
2073	0.00%	0	29,637	657	25,613	657	25,613	(1,544)	5,150	0	0	0	(1,544)	(94,848)
2074	0.00%	0	29,637	657	26,269	657	26,269	(1,403)	5,150	0	0	0	(1,403)	(96,252)
2075	0.00%	0	29,637	657	26,926	657	26,926	(1,263)	5,150	0	0	0	(1,263)	(97,515)
2076	0.00%	0	29,637	657	27,583	657	27,583	(1,123)	5,150	0	0	0	(1,123)	(98,638)
2077	0.00%	0	29,637	657	28,240	657	28,240	(982)	5,150	0	0	0	(982)	(99,620)
2078	0.00%	0	29,637	657	28,896	657	28,896	(842)	5,150	0	0	0	(842)	(100,462)
2079	0.00%	0	29,637	657	29,553	657	29,553	(702)	5,150	0	0	0	(702)	(101,164)
2080	0.00%	0	29,637	657	30,210	657	30,210	(561)	5,150	0	0	0	(561)	(101,725)
2081	0.00%	0	29,637	657	30,867	657	30,867	(421)	5,150	0	0	0	(421)	(102,146)
2082	0.00%	0	29,637	657	31,523	657	31,523	(281)	5,150	0	0	0	(281)	(102,427)
2083	0.00%	0	29,637	657	32,180	657	32,180	(140)	5,150	0	0	0	(140)	(102,567)
2084	0.00%	0	29,637	657	32,837	657	32,837	0	5,150	0	0	0	0	(102,567)

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2084
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	494
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	5,150
BOOK DEPRECIATION RATE - 1/USEFUL LIFE	2.00%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION $(000)	(4) DEFERRED TAX $(000)	(5) END OF YEAR NET PLANT IN SERVICE $(000)	(5a)* ACCUMULATED DEPRECIATION $(000)	(5b)* ACCUMULATED DEF TAXES $(000)	(6) BEGINNING YEAR RATE BASE $(000)	(7) ENDING OF YEAR RATE BASE $(000)	(8) MID-YEAR RATE BASE $(000)
2035	3.75%	1,111	353	32,180	657	847	33,331	32,533	32,932
2036	7.22%	2,139	(49)	31,523	1,313	798	32,533	31,474	32,004
2037	6.68%	1,979	(410)	30,867	1,970	388	31,474	30,456	30,965
2038	6.18%	1,831	(734)	30,210	2,627	(346)	30,456	29,476	29,966
2039	5.71%	1,693	(1,023)	29,553	3,284	(1,369)	29,476	28,530	29,003
2040	5.29%	1,566	(1,279)	28,896	3,940	(2,648)	28,530	27,617	28,074
2041	4.89%	1,449	(1,506)	28,240	4,597	(4,154)	27,617	26,734	27,175
2042	4.52%	1,340	(1,705)	27,583	5,254	(5,859)	26,734	25,877	26,306
2043	4.46%	1,322	(1,900)	26,926	5,911	(7,760)	25,877	25,026	25,452
2044	4.46%	1,322	(2,095)	26,269	6,567	(9,855)	25,026	24,174	24,600
2045	4.46%	1,322	(2,290)	25,613	7,224	(12,144)	24,174	23,323	23,749
2046	4.46%	1,322	(2,485)	24,956	7,881	(14,629)	23,323	22,471	22,897
2047	4.46%	1,322	(2,679)	24,299	8,538	(17,308)	22,471	21,620	22,046
2048	4.46%	1,322	(2,874)	23,642	9,194	(20,182)	21,620	20,768	21,194
2049	4.46%	1,322	(3,069)	22,986	9,851	(23,251)	20,768	19,917	20,343
2050	4.46%	1,322	(3,264)	22,329	10,508	(26,515)	19,917	19,065	19,491
2051	4.46%	1,322	(3,458)	21,672	11,165	(29,973)	19,065	18,214	18,640
2052	4.46%	1,322	(3,653)	21,016	11,821	(33,627)	18,214	17,362	17,788
2053	4.46%	1,322	(3,848)	20,359	12,478	(37,475)	17,362	16,511	16,937
2054	4.46%	1,322	(4,043)	19,702	13,135	(41,517)	16,511	15,659	16,085
2055	2.23%	661	(4,070)	19,045	13,791	(45,587)	15,659	14,975	15,317
2056	0.00%	0	(3,930)	18,389	14,448	(49,517)	14,975	14,459	14,717
2057	0.00%	0	(3,789)	17,732	15,105	(53,306)	14,459	13,943	14,201
2058	0.00%	0	(3,649)	17,075	15,762	(56,955)	13,943	13,426	13,684
2059	0.00%	0	(3,509)	16,418	16,418	(60,464)	13,426	12,910	13,168
2060	0.00%	0	(3,368)	15,762	17,075	(63,832)	12,910	12,393	12,652
2061	0.00%	0	(3,228)	15,105	17,732	(67,060)	12,393	11,877	12,135
2062	0.00%	0	(3,088)	14,448	18,389	(70,148)	11,877	11,361	11,619
2063	0.00%	0	(2,947)	13,791	19,045	(73,095)	11,361	10,844	11,102
2064	0.00%	0	(2,807)	13,135	19,702	(75,902)	10,844	10,328	10,586
2065	0.00%	0	(2,667)	12,478	20,359	(78,568)	10,328	9,811	10,070
2066	0.00%	0	(2,526)	11,821	21,016	(81,095)	9,811	9,295	9,553
2067	0.00%	0	(2,386)	11,165	21,672	(83,480)	9,295	8,779	9,037
2068	0.00%	0	(2,246)	10,508	22,329	(85,726)	8,779	8,262	8,520
2069	0.00%	0	(2,105)	9,851	22,986	(87,831)	8,262	7,746	8,004
2070	0.00%	0	(1,965)	9,194	23,642	(89,796)	7,746	7,229	7,488
2071	0.00%	0	(1,824)	8,538	24,299	(91,620)	7,229	6,713	6,971
2072	0.00%	0	(1,684)	7,881	24,956	(93,305)	6,713	6,197	6,455
2073	0.00%	0	(1,544)	7,224	25,613	(94,848)	6,197	5,680	5,939
2074	0.00%	0	(1,403)	6,567	26,269	(96,252)	5,680	5,164	5,422
2075	0.00%	0	(1263)	5911	26,926	(97,515)	5,164	4,648	4,906
2076	0.00%	0	(1123)	5254	27,583	(98,638)	4,648	4,131	4,389
2077	0.00%	0	(982)	4597	28,240	(99,620)	4,131	3,615	3,873
2078	0.00%	0	(842)	3940	28,896	(100,462)	3,615	3,098	3,357
2079	0.00%	0	(702)	3284	29,553	(101,164)	3,098	2,582	2,840
2080	0.00%	0	(561)	2627	30,210	(101,725)	2,582	2,066	2,324
2081	0.00%	0	(421)	1970	30,867	(102,146)	2,066	1,549	1,807
2082	0.00%	0	(281)	1313	31,523	(102,427)	1,549	1,033	1,291
2083	0.00%	0	(140)	657	32,180	(102,567)	1,033	516	775
2084	0.00%	0	0	0	32,837	(102,567)	516	0	258

*** Column not specified in workbook**

(1) YEAR	(2) NO.YEARS BEFORE IN-SERVICE	(3) PLANT ESCALATION RATE	(4) CUMULATIVE ESCALATION FACTOR	(5) YEARLY EXPENDITURE (%)	(6) ANNUAL SPENDING ($/kW)	(7) CUMULATIVE AVERAGE SPENDING ($/kW)
2023	-12	0.0%	1.000	0.00	0.00	0.00
2024	-11	2.5%	1.025	0.00	0.00	0.00
2025	-10	2.5%	1.051	0.00	0.00	0.00
2026	-9	2.5%	1.077	0.00	0.00	0.00
2027	-8	2.5%	1.104	0.00	0.00	0.00
2028	-7	2.5%	1.131	0.00	0.00	0.00
2029	-6	2.5%	1.160	0.00	0.00	0.00
2030	-5	2.5%	1.189	43.90	410.37	205.19
2031	-4	2.5%	1.218	38.38	367.69	594.21
2032	-3	2.5%	1.249	17.72	174.01	865.07
2033	-2	2.0%	1.274	0.00	0.00	952.07
2034	-1	2.0%	1.299	0.00	0.00	952.07
				100.00	952.07	

YEAR	NO.YEARS BEFORE IN-SERVICE	(8) CUMULATIVE SPENDING WITH AFUDC ($/kW)	(8a)* DEBT AFUDC ($/kW)	(8b)* CUMULATIVE DEBT AFUDC ($/kW)	(9) YEARLY TOTAL AFUDC ($/kW)	(9a)* CUMULATIVE TOTAL AFUDC ($/kW)	(9b)* CONSTRUCTION PERIOD INTEREST ($/kW)	(9c)* CUMULATIVE CPI ($/kW)	**(9d)* DEFERRED TAXES ($/kW)**	(9e)* CUMULATIVE DEFERRED TAXES ($/kW)	(10) INCREMENTAL YEAR-END BOOK VALUE ($/kW)	(11) CUMULATIVE YEAR-END BOOK VALUE ($/kW)
2023	-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	-11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	-5	205.19	2.87	2.87	12.76	12.76	7.20	7.20	1.10	1.10	423.13	423.13
2031	-4	606.98	8.48	11.35	37.69	50.45	20.86	28.06	3.14	4.23	405.38	828.51
2032	-3	915.51	12.76	24.11	56.68	107.13	30.36	58.42	4.46	8.70	230.69	1,059.20
2033	-2	1,059.20	14.71	38.82	65.34	172.47	33.42	91.84	4.74	13.44	65.34	1,124.54
2034	-1	1,124.54	15.56	54.38	69.11	241.58	33.42	125.26	4.53	17.97	69.11	1,193.65
			54.38		241.58		125.26		17.97		1,193.65	

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	26,191	26,191	26,191
EQUITY AFUDC	5,150		
DEBT AFUDC	1,496	1,496	
CPI			3,446
ITC Basis Reduction (Solar)			
TOTAL	32,837	27,687	29,637

IN SERVICE YEAR	2035
PLANT COSTS	786
AFUDC RATE	6.22%

*** Column not specified in workbook**

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(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
2023	0	0	2.11	2.82	2.11	0.00	1.00	1.00
2024	0	0	2.66	4.00	2.66	0.00	1.00	1.00
2025	300	300	2.97	4.08	2.97	0.00	1.00	1.00
2026	800	800	3.41	4.22	3.41	0.00	1.00	1.00
2027	1,550	1,550	3.37	3.79	3.37	0.00	1.00	1.00
2028	2,375	2,375	3.51	3.97	3.51	0.00	1.00	1.00
2029	3,283	3,283	3.59	4.12	3.59	0.00	1.00	1.00
2030	4,281	4,281	3.29	3.86	3.29	0.00	1.00	1.00
2031	5,379	5,379	3.07	3.84	3.07	0.00	1.00	1.00
2032	6,587	6,587	2.95	3.77	2.95	0.00	1.00	1.00
2033	7,916	7,916	3.33	3.96	3.33	6.88	1.00	1.00
2034	9,378	9,378	3.53	4.20	3.53	6.98	1.00	1.00
2035	9,378	9,378	3.86	4.38	3.86	7.13	1.00	1.00
2036	9,378	9,378	4.00	4.51	4.00	6.98	1.00	1.00
2037	9,378	9,378	4.20	4.66	4.20	7.15	1.00	1.00
2038	9,378	9,378	4.53	5.09	4.53	7.22	1.00	1.00
2039	9,378	9,378	4.72	5.25	4.72	7.16	1.00	1.00
2040	9,378	9,378	5.06	5.54	5.06	7.38	1.00	1.00
2041	9,378	9,378	5.39	5.95	5.39	7.51	1.00	1.00
2042	9,378	9,378	5.49	6.22	5.49	7.59	1.00	1.00
2043	9,378	9,378	5.72	6.05	5.72	7.82	1.00	1.00
2044	9,378	9,378	6.11	6.59	6.11	8.08	1.00	1.00
2045	9,378	9,378	6.50	7.14	6.50	8.49	1.00	1.00
2046	9,378	9,378	6.71	7.25	6.71	8.36	1.00	1.00
2047	9,378	9,378	7.07	7.31	7.07	8.85	1.00	1.00
2048	9,378	9,378	7.41	7.81	7.41	9.24	1.00	1.00
2049	9,378	9,378	7.89	8.28	7.89	9.55	1.00	1.00
2050	9,378	9,378	8.54	9.15	8.54	10.09	1.00	1.00
2051	9,378	9,378	8.49	9.06	8.49	10.16	1.00	1.00
2052	9,378	9,378	8.54	9.07	8.54	10.08	1.00	1.00
2053	9,378	9,378	8.58	9.02	8.58	10.06	1.00	1.00
2054	9,378	9,378	8.61	8.90	8.61	9.85	1.00	1.00
2055	9,378	9,378	8.57	8.99	8.57	9.91	1.00	1.00
2056	9,378	9,378	8.54	8.92	8.54	9.73	1.00	1.00
2057	9,378	9,378	8.59	8.79	8.59	9.80	1.00	1.00
2058	9,378	9,378	8.51	8.67	8.51	9.59	1.00	1.00
2059	9,378	9,378	8.55	8.81	8.55	9.63	1.00	1.00
2060	9,378	9,378	8.59	8.79	8.59	9.54	1.00	1.00
2061	9,378	9,378	8.43	8.56	8.43	9.45	1.00	1.00
2062	9,378	9,378	8.42	8.75	8.42	9.27	1.00	1.00
2063	9,378	9,378	8.49	8.81	8.49	9.73	1.00	1.00
2064	9,378	9,378	8.47	8.45	8.47	9.62	1.00	1.00
2065	9,378	9,378	8.37	8.61	8.37	9.50	1.00	1.00
2066	9,378	9,378	8.32	8.52	8.32	9.49	1.00	1.00
2067	9,378	9,378	8.33	8.51	8.33	9.47	1.00	1.00
2068	9,378	9,378	8.39	8.39	8.39	9.42	1.00	1.00
2069	9,378	9,378	8.39	8.39	8.39	9.50	1.00	1.00
2070	9,378	9,378	8.39	8.39	8.39	9.30	1.00	1.00
2071	9,378	9,378	8.39	8.39	8.39	9.26	1.00	1.00
2072	9,378	9,378	8.39	8.39	8.39	9.22	1.00	1.00
2073	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2074	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2075	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2076	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2077	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2078	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2079	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2080	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2081	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00
2082	9,378	9,378	8.39	8.39	8.39	9.18	1.00	1.00

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

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

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)
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	4,510	439	17	10180	11167	3978
2036	4,407	450	18	10744	11779	3840
2037	4,293	461	19	11159	12228	3704
2038	4,183	473	21	11743	12884	3535
2039	4,077	485	22	12224	13282	3526
2040	3,974	497	23	12720	13878	3334
2041	3,873	509	25	13605	14833	3179
2042	3,776	522	25	13562	14817	3068
2043	3,681	535	25	14009	15269	2981
2044	3,585	548	27	14741	16170	2731
2045	3,490	562	28	15789	17188	2680
2046	3,394	576	29	15825	17328	2497
2047	3,299	591	30	16758	18331	2346
2048	3,203	605	30	17358	18926	2270
2049	3,108	620	32	18250	20028	1983
2050	3,013	636	33	19338	21400	1620
2051	2,917	652	34	19599	21537	1665
2052	2,822	668	34	19146	21128	1542
2053	2,726	685	36	19444	21584	1308
2054	2,631	702	37	19290	21357	1303
2055	2,544	719	38	19279	21496	1084
2056	2,473	737	39	18912	21096	1066
2057	2,411	756	40	19296	21492	1011
2058	2,349	775	42	19060	21263	962
2059	2,286	794	42	18930	21119	933
2060	2,224	814	43	18699	20919	862
2061	2,162	834	44	18338	20489	888
2062	2,099	855	46	18368	20319	1049
2063	2,037	877	47	19289	21346	904
2064	1,975	899	49	19033	21328	627
2065	1,912	921	49	18796	20827	851
2066	1,850	944	50	18699	20803	741
2067	1,788	968	52	18798	20757	848
2068	1,725	992	53	18647	20660	757
2069	1,663	1,017	54	18842	20834	742
2070	1,601	1,042	56	18258	20392	565
2071	1,539	1,068	57	18151	20305	510
2072	1,476	1,095	58	18044	20218	455
2073	1,414	1,122	60	17936	20131	401
2074	1,352	1,150	61	17936	20131	368
2075	1,289	1,179	63	17936	20131	336
2076	1,238	1,208	65	17936	20131	316
2077	1,187	1,239	66	17936	20131	297
2078	1,136	1,270	68	17936	20131	279
2079	1,085	1,301	70	17936	20131	261
2080	1,034	1,334	71	17936	20131	244
2081	983	1,367	73	17936	20131	228
2082	932	1,401	75	17936	20131	213
NOM	118,728	39,895	2,075	822,284	912,090	70,891
NPV	17,660.00	3,072.89	149	75,989	83,597	13,274

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(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)
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	1	0
2033	0	0	0	0	0	0	1	1
2034	0	0	0	0	0	0	1	1
2035	0	0	0	0	0	0	1	1
2036	0	0	0	0	0	0	1	1
2037	0	0	0	0	0	0	1	1
2038	0	0	0	0	0	0	1	1
2039	0	0	0	0	0	0	1	1
2040	0	0	0	0	0	0	1	1
2041	0	0	0	0	0	0	1	1
2042	0	0	0	0	0	0	1	1
2043	0	0	0	0	0	0	1	1
2044	0	0	0	0	0	0	2	1
2045	0	0	0	0	0	0	2	1
2046	0	0	0	0	0	0	2	1
2047	0	0	0	0	0	0	2	2
2048	0	0	0	0	0	0	2	2
2049	0	0	0	0	0	0	2	2
2050	0	0	0	0	0	0	2	2
2051	0	0	0	0	0	0	2	2
2052	0	0	0	0	0	0	2	2
2053	0	0	0	0	0	0	2	2
2054	0	0	0	0	0	0	2	2
2055	0	0	0	0	0	0	2	2
2056	0	0	0	0	0	0	2	2
2057	0	0	0	0	0	0	2	2
2058	0	0	0	0	0	0	2	2
2059	0	0	0	0	0	0	2	2
2060	0	0	0	0	0	0	2	2
2061	0	0	0	0	0	0	2	2
2062	0	0	0	0	0	0	2	2
2063	0	0	0	0	0	0	2	2
2064	0	0	0	0	0	0	2	2
2065	0	0	0	0	0	0	2	2
2066	0	0	0	0	0	0	2	2
2067	0	0	0	0	0	0	2	2
2068	0	0	0	0	0	0	2	2
2069	0	0	0	0	0	0	2	2
2070	0	0	0	0	0	0	2	2
2071	0	0	0	0	0	0	2	2
2072	0	0	0	0	0	0	2	2
2073	0	0	0	0	0	0	2	2
2074	0	0	0	0	0	0	2	2
2075	0	0	0	0	0	0	2	2
2076	0	0	0	0	0	0	2	2
2077	0	0	0	0	0	0	2	2
2078	0	0	0	0	0	0	2	2
2079	0	0	0	0	0	0	2	2
2080	0	0	0	0	0	0	2	2
2081	0	0	0	0	0	0	2	2
2082	0	0	0	0	0	0	2	2
NOM	0	0.00	0	0	0	0	90	82
NPV	0	0	0	0	0	0	10	8

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

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

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)
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	1	1	0	0	(0)
2036	1	1	0	0	(0)
2037	1	1	0	0	(0)
2038	1	1	0	0	(0)
2039	1	1	0	0	(0)
2040	1	1	0	0	(0)
2041	1	1	0	0	(0)
2042	1	1	0	0	(0)
2043	1	1	0	0	(0)
2044	1	1	0	0	(0)
2045	1	1	0	0	(0)
2046	1	1	0	0	(0)
2047	1	1	0	0	(0)
2048	1	1	0	0	(0)
2049	1	1	0	0	(0)
2050	1	1	0	0	(0)
2051	1	1	0	0	(0)
2052	1	1	0	0	(0)
2053	1	1	0	0	(0)
2054	1	1	0	0	(0)
2055	1	1	0	0	(0)
2056	1	1	0	0	(0)
2057	1	1	0	0	(0)
2058	1	1	0	0	(0)
2059	1	1	0	0	(0)
2060	1	1	0	0	(0)
2061	1	1	0	0	(0)
2062	1	1	0	0	(0)
2063	1	1	0	0	(0)
2064	1	1	0	0	(0)
2065	1	1	0	0	(0)
2066	1	1	0	0	(0)
2067	1	1	0	0	(0)
2068	1	1	0	0	(0)
2069	1	1	0	0	(0)
2070	1	1	0	0	(0)
2071	1	1	0	0	(0)
2072	1	1	0	0	(0)
2073	1	1	0	0	(0)
2074	1	1	0	0	(0)
2075	1	1	0	0	(0)
2076	1	1	0	0	(0)
2077	1	1	0	0	(0)
2078	1	1	0	0	(0)
2079	1	1	0	0	(0)
2080	1	1	0	0	(0)
2081	1	1	0	0	(0)
2082	1	1	0	0	(0)
NOM	38	42	0	0	(5)
NPV	4	4	0	0	(0)

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(1) YEAR	(2) INCREASED SUPPLY COSTS $(000)	(3) UTILITY PROGRAM COSTS $(000)	(4) PARTICIPANT PROGRAM COSTS $(000)	(5) OTHER COSTS $(000)	(6) TOTAL COSTS $(000)	(7) AVOIDED GEN UNIT BENEFITS $(000)	(8) AVOIDED T&D BENEFITS $(000)	(9) PROGRAM FUEL SAVINGS $(000)	(10) OTHER BENEFITS $(000)	(11) TOTAL BENEFITS $(000)	(12) NET BENEFITS $(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS $(000)
2023	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
2025	0	61	0	0	61	0	0	0	0	0	(61)	(53)
2026	0	127	0	0	127	0	0	0	0	0	(127)	(153)
2027	0	220	0	0	220	0	0	0	0	0	(220)	(315)
2028	0	296	0	0	296	0	0	0	0	0	(296)	(515)
2029	0	379	0	0	379	0	0	0	0	0	(379)	(753)
2030	0	457	0	0	457	0	0	0	0	0	(457)	(1,018)
2031	0	534	0	0	534	0	0	0	0	0	(534)	(1,304)
2032	0	611	0	0	611	0	0	0	0	0	(611)	(1,608)
2033	0	698	0	0	698	0	0	0	0	0	(698)	(1,928)
2034	0	797	0	0	797	0	0	0	0	0	(796)	(2,267)
2035	0	486	0	0	486	3,978	0	0	(0)	3,978	3,492	(894)
2036	0	404	0	0	404	3,840	0	0	(0)	3,840	3,436	355
2037	0	323	0	0	323	3,704	0	0	(0)	3,704	3,381	1,492
2038	0	237	0	0	237	3,535	0	0	(0)	3,535	3,298	2,518
2039	0	146	0	0	146	3,526	0	0	(0)	3,526	3,380	3,490
2040	0	146	0	0	146	3,334	0	0	(0)	3,334	3,188	4,339
2041	0	149	0	0	149	3,179	0	0	(0)	3,180	3,030	5,085
2042	0	152	0	0	152	3,068	0	0	(0)	3,069	2,917	5,750
2043	0	154	0	0	154	2,981	0	0	(0)	2,981	2,828	6,346
2044	0	156	0	0	156	2,731	0	0	(0)	2,731	2,575	6,848
2045	0	248	0	0	248	2,680	0	0	(0)	2,680	2,433	7,287
2046	0	344	0	0	344	2,497	0	0	(0)	2,497	2,153	7,646
2047	0	483	0	0	483	2,346	0	0	(0)	2,346	1,863	7,934
2048	0	593	0	0	593	2,270	0	0	(0)	2,271	1,677	8,173
2049	0	714	0	0	714	1,983	0	0	(0)	1,983	1,269	8,341
2050	0	830	0	0	830	1,620	0	0	(0)	1,620	790	8,438
2051	0	944	0	0	944	1,665	0	0	(0)	1,665	721	8,519
2052	0	1,055	0	0	1,055	1,542	0	0	(0)	1,542	487	8,570
2053	0	1,180	0	0	1,180	1,308	0	0	(0)	1,308	128	8,583
2054	0	1,320	0	0	1,320	1,303	0	0	(0)	1,303	(17)	8,581
2055	0	805	0	0	805	1,084	0	0	(0)	1,084	279	8,604
2056	0	667	0	0	667	1,066	0	0	(0)	1,066	400	8,635
2057	0	530	0	0	530	1,011	0	0	(0)	1,011	481	8,669
2058	0	388	0	0	388	962	0	0	(0)	962	574	8,706
2059	0	240	0	0	240	933	0	0	(0)	933	694	8,748
2060	0	240	0	0	240	862	0	0	(0)	862	622	8,783
2061	0	245	0	0	245	888	0	0	(0)	888	643	8,817
2062	0	249	0	0	249	1,049	0	0	(0)	1,049	800	8,855
2063	0	252	0	0	252	904	0	0	(0)	904	652	8,884
2064	0	255	0	0	255	627	0	0	(0)	627	371	8,899
2065	0	406	0	0	406	851	0	0	(0)	851	446	8,916
2066	0	564	0	0	564	741	0	0	(0)	741	177	8,923
2067	0	791	0	0	791	848	0	0	(0)	848	57	8,924
2068	0	972	0	0	972	757	0	0	(0)	757	(215)	8,918
2069	0	1,170	0	0	1,170	742	0	0	(0)	741	(429)	8,906
2070	0	1,360	0	0	1,360	565	0	0	(0)	565	(795)	8,886
2071	0	1,547	0	0	1,547	510	0	0	(0)	510	(1,038)	8,861
2072	0	1,729	0	0	1,729	455	0	0	(0)	455	(1,274)	8,833
2073	0	1,933	0	0	1,933	401	0	0	(0)	401	(1,532)	8,802
2074	0	2,163	0	0	2,163	368	0	0	(0)	368	(1,795)	8,768
2075	0	1,675	0	0	1,675	336	0	0	(0)	336	(1,338)	8,744
2076	0	1,772	0	0	1,772	316	0	0	(0)	316	(1,456)	8,721
2077	0	1,840	0	0	1,840	297	0	0	(0)	297	(1,543)	8,698
2078	0	1,876	0	0	1,876	279	0	0	(0)	279	(1,597)	8,676
2079	0	1,881	0	0	1,881	261	0	0	(0)	261	(1,620)	8,655
2080	0	1,885	0	0	1,885	244	0	0	(0)	244	(1,641)	8,636
2081	0	1,889	0	0	1,889	228	0	0	(0)	228	(1,661)	8,617
2082	0	1,893	0	0	1,893	213	0	0	(0)	213	(1,680)	8,600
NOM	0	45,464	0	0	45,464	70,891.30	0	8	(5)	70,894	25,431	
NPV	0	4,675	0	0	4,675	13,274	0	1	(0)	13,275.34	8,600	

Discount Rate: 8.10 %
Benefit/Cost Ratio (Col(11) / Col(6)) : **2.84**

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS $(000)	(3) TAX CREDITS $(000)	(4) UTILITY REBATES $(000)	(5) OTHER BENEFITS $(000)	(6) TOTAL BENEFITS $(000)	(7) CUSTOMER EQUIPMENT COSTS $(000)	(8) CUSTOMER O&M COSTS $(000)	(9) OTHER COSTS $(000)	(10) TOTAL COSTS $(000)	(11) NET BENEFITS $(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS $(000)
2023	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	14	0	14	0	0	0	0	14	12
2026	0	0	50	0	50	0	0	0	0	50	52
2027	0	0	108	0	108	0	0	0	0	108	131
2028	0	0	180	0	180	0	0	0	0	180	253
2029	0	0	260	0	260	0	0	0	0	260	415
2030	0	0	347	0	347	0	0	0	0	347	617
2031	0	0	443	0	443	0	0	0	0	443	854
2032	0	0	549	0	549	0	0	0	0	549	1,127
2033	0	0	665	0	665	0	0	0	0	665	1,432
2034	0	0	793	0	794	0	0	0	0	794	1,770
2035	0	0	793	0	794	0	0	0	0	794	2,081
2036	0	0	793	0	794	0	0	0	0	794	2,370
2037	0	0	793	0	794	0	0	0	0	794	2,637
2038	0	0	793	0	794	0	0	0	0	794	2,883
2039	0	0	793	0	794	0	0	0	0	794	3,112
2040	0	0	793	0	794	0	0	0	0	794	3,323
2041	0	0	793	0	794	0	0	0	0	794	3,519
2042	0	0	793	0	794	0	0	0	0	794	3,699
2043	0	0	793	0	794	0	0	0	0	794	3,867
2044	0	0	793	0	794	0	0	0	0	794	4,021
2045	0	0	793	0	794	0	0	0	0	794	4,164
2046	0	0	793	0	794	0	0	0	0	794	4,297
2047	0	0	793	0	794	0	0	0	0	794	4,419
2048	0	0	793	0	794	0	0	0	0	794	4,533
2049	0	0	793	0	794	0	0	0	0	794	4,638
2050	0	0	793	0	794	0	0	0	0	794	4,735
2051	0	0	793	0	794	0	0	0	0	794	4,824
2052	0	0	793	0	794	0	0	0	0	794	4,907
2053	0	0	793	0	794	0	0	0	0	794	4,984
2054	0	0	793	0	794	0	0	0	0	794	5,055
2055	0	0	793	0	794	0	0	0	0	794	5,121
2056	0	0	793	0	794	0	0	0	0	794	5,182
2057	0	0	793	0	794	0	0	0	0	794	5,238
2058	0	0	793	0	794	0	0	0	0	794	5,290
2059	0	0	793	0	794	0	0	0	0	794	5,338
2060	0	0	793	0	794	0	0	0	0	794	5,383
2061	0	0	793	0	794	0	0	0	0	794	5,424
2062	0	0	793	0	794	0	0	0	0	794	5,462
2063	0	0	793	0	794	0	0	0	0	794	5,497
2064	0	0	793	0	794	0	0	0	0	794	5,530
2065	0	0	793	0	794	0	0	0	0	794	5,560
2066	0	0	793	0	794	0	0	0	0	794	5,588
2067	0	0	793	0	794	0	0	0	0	794	5,614
2068	0	0	793	0	794	0	0	0	0	794	5,638
2069	0	0	793	0	794	0	0	0	0	794	5,660
2070	0	0	793	0	794	0	0	0	0	794	5,680
2071	0	0	793	0	794	0	0	0	0	794	5,699
2072	0	0	793	0	794	0	0	0	0	794	5,717
2073	0	0	793	0	794	0	0	0	0	794	5,733
2074	0	0	793	0	794	0	0	0	0	794	5,748
2075	0	0	793	0	794	0	0	0	0	794	5,762
2076	0	0	793	0	794	0	0	0	0	794	5,775
2077	0	0	793	0	794	0	0	0	0	794	5,786
2078	0	0	793	0	794	0	0	0	0	794	5,797
2079	0	0	793	0	794	0	0	0	0	794	5,808
2080	0	0	793	0	794	0	0	0	0	794	5,817
2081	0	0	793	0	794	0	0	0	0	794	5,826
2082	0	0	793	0	794	0	0	0	0	794	5,834
NOM	13	0	41,491	0	41,504	0	0	0	0	41,504	
NPV	1	0	5,832	0	5,834	0	0	0	0	5,834	

In Service of Gen Unit: 2035
Discount Rate : 8.10 %
Benefit/Cost Ratio (Col(6) / Col(10)) **Infinite**

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - HVAC On-Bill - 15 SEER**

(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)	SELLBACK/ 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)
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	61	14	0	0	75	0	0	0	0	0	(75)	(64)
2026	0	127	50	0	0	178	0	0	0	0	0	(178)	(205)
2027	0	220	108	0	0	328	0	0	0	0	0	(328)	(445)
2028	0	296	180	0	0	476	0	0	0	0	0	(476)	(768)
2029	0	379	260	0	0	639	0	0	0	0	0	(639)	(1,169)
2030	0	457	347	0	0	804	0	0	0	0	0	(804)	(1,635)
2031	0	534	443	0	0	978	0	0	0	0	0	(977)	(2,159)
2032	0	611	549	0	0	1,160	0	0	0	0	0	(1,160)	(2,735)
2033	0	698	665	0	0	1,364	0	0	0	0	0	(1,364)	(3,361)
2034	0	797	793	0	0	1,590	0	0	0	0	0	(1,590)	(4,036)
2035	0	486	793	0	0	1,280	3,979	0	0	(0)	3,978	2,699	(2,976)
2036	0	404	793	0	0	1,198	3,840	0	0	(0)	3,840	2,642	(2,015)
2037	0	323	793	0	0	1,116	3,704	0	0	(0)	3,704	2,588	(1,145)
2038	0	237	793	0	0	1,031	3,536	0	0	(0)	3,535	2,505	(366)
2039	0	146	793	0	0	940	3,526	0	0	(0)	3,526	2,586	379
2040	0	146	793	0	0	940	3,335	0	0	(0)	3,334	2,395	1,016
2041	0	149	793	0	0	943	3,180	0	0	(0)	3,180	2,237	1,567
2042	0	152	793	0	0	946	3,069	0	0	(0)	3,069	2,123	2,051
2043	0	154	793	0	0	947	2,981	0	0	(0)	2,981	2,034	2,479
2044	0	156	793	0	0	949	2,731	0	0	(0)	2,731	1,782	2,827
2045	0	248	793	0	0	1,041	2,680	0	0	(0)	2,680	1,639	3,123
2046	0	344	793	0	0	1,138	2,497	0	0	(0)	2,497	1,360	3,350
2047	0	483	793	0	0	1,276	2,346	0	0	(0)	2,346	1,070	3,515
2048	0	593	793	0	0	1,387	2,271	0	0	(0)	2,271	884	3,641
2049	0	714	793	0	0	1,508	1,983	0	0	(0)	1,983	475	3,704
2050	0	830	793	0	0	1,624	1,620	0	0	(0)	1,620	(4)	3,703
2051	0	944	793	0	0	1,738	1,665	0	0	(0)	1,665	(72)	3,695
2052	0	1,055	793	0	0	1,849	1,542	0	0	(0)	1,542	(306)	3,663
2053	0	1,180	793	0	0	1,973	1,308	0	0	(0)	1,308	(666)	3,599
2054	0	1,320	793	0	0	2,113	1,303	0	0	(0)	1,303	(811)	3,526
2055	0	805	793	0	0	1,599	1,084	0	0	(0)	1,084	(515)	3,483
2056	0	667	793	0	0	1,460	1,067	0	0	(0)	1,066	(394)	3,453
2057	0	530	793	0	0	1,324	1,012	0	0	(0)	1,011	(313)	3,431
2058	0	388	793	0	0	1,182	962	0	0	(0)	962	(220)	3,417
2059	0	240	793	0	0	1,033	933	0	0	(0)	933	(100)	3,411
2060	0	240	793	0	0	1,033	862	0	0	(0)	862	(171)	3,401
2061	0	245	793	0	0	1,038	888	0	0	(0)	888	(150)	3,393
2062	0	249	793	0	0	1,043	1,049	0	0	(0)	1,049	6	3,393
2063	0	252	793	0	0	1,045	904	0	0	(0)	904	(141)	3,387
2064	0	255	793	0	0	1,049	627	0	0	(0)	627	(422)	3,370
2065	0	406	793	0	0	1,199	851	0	0	(0)	851	(348)	3,357
2066	0	564	793	0	0	1,357	741	0	0	(0)	741	(616)	3,335
2067	0	791	793	0	0	1,585	848	0	0	(0)	848	(736)	3,311
2068	0	972	793	0	0	1,765	757	0	0	(0)	757	(1,009)	3,281
2069	0	1,170	793	0	0	1,964	742	0	0	(0)	741	(1,223)	3,247
2070	0	1,360	793	0	0	2,154	565	0	0	(0)	565	(1,589)	3,206
2071	0	1,547	793	0	0	2,341	510	0	0	(0)	510	(1,831)	3,162
2072	0	1,729	793	0	0	2,523	455	0	0	(0)	455	(2,068)	3,116
2073	0	1,933	793	0	0	2,727	401	0	0	(0)	401	(2,326)	3,069
2074	0	2,163	793	0	0	2,956	368	0	0	(0)	368	(2,588)	3,020
2075	0	1,675	793	0	0	2,468	336	0	0	(0)	336	(2,132)	2,983
2076	0	1,772	793	0	0	2,566	316	0	0	(0)	316	(2,250)	2,947
2077	0	1,840	793	0	0	2,633	297	0	0	(0)	297	(2,336)	2,912
2078	0	1,876	793	0	0	2,669	279	0	0	(0)	279	(2,391)	2,879
2079	0	1,881	793	0	0	2,674	261	0	0	(0)	261	(2,413)	2,848
2080	0	1,885	793	0	0	2,678	244	0	0	(0)	244	(2,434)	2,819
2081	0	1,889	793	0	0	2,683	228	0	0	(0)	228	(2,454)	2,792
2082	0	1,893	793	0	0	2,687	213	0	0	(0)	213	(2,474)	2,767
NOM	0	45,464	41,491	10	0	86,964	70,899.00	0.00	0.00	(4.68)	70,894	(16,070)	
NPV	0	4,675	5,832	1	0	10,508	13,276	0	0	(0)	13,275	2,767	

Discount Rate : 8.10 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.26

13-Feb-25

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

	(1) CUSTOMER kW REDUCTION AT METER	0.15	kW
	(2) GENERATOR kW REDUCTION PER CUSTOMER	0.19	kW
	(3) kW LINE LOSS PERCENTAGE	5.28	%
	(4) GENERATOR kWh REDUCTION PER CUSTOMER	705.59	kWh
	(5) kWh LINE LOSS PERCENTAGE	4.19	%
	(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	62	YEARS
	(2) GENERATOR ECONOMIC LIFE	50	YEARS
	(3) T&D ECONOMIC LIFE	50	YEARS
	(4) K FACTOR FOR GENERATION	1.37	
	(5) K FACTOR FOR T & D	1.31	

III. UTILITY & CUSTOMER COSTS

	(1) UTILITY NON RECURRING COST PER CUSTOMER	***	$/CUST
	(2) UTILITY RECURRING COST PER CUSTOMER	***	$/CUST
	(3) UTILITY COST ESCALATION RATE	***	%**
	(4) CUSTOMER EQUIPMENT COST	***	$/CUST
	(5) CUSTOMER EQUIPMENT ESCALATION RATE	***	%**
	(6) CUSTOMER O & M COST	***	$/CUST/YR
	(7) CUSTOMER O & M COST ESCALATION RATE	***	%**
*	(8) INCREASED SUPPLY COSTS	***	$/CUST/YR
*	(9) SUPPLY COSTS ESCALATION RATES	***	%**
*	(10) UTILITY DISCOUNT RATE	8.10	%
*	(11) UTILITY AFUDC RATE	6.22	%
*	(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	2023	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2035	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2026-2035	
(4) BASE YEAR AVOIDED GENERATING COST	786.35	$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	499.12	$/kW
(6) BASE YEAR DISTRIBUTION COST	196.58	$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	2.00	%**
(8) GENERATOR FIXED O & M COST	11.87	$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.5	%**
(10) TRANSMISSION FIXED O & M COST	3.43	$/kW
(11) DISTRIBUTION FIXED O & M COST	4.45	$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.5	%**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.01	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.5	%**
(15) GENERATOR CAPACITY FACTOR	65	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	6.50	CENTS/kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	-2.00	%**

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	***	%

VI. COST-EFFECTIVENESS RATIOS

(1) RIM TEST	0.434
(2) TRC TEST	2.696
(3) PARTICIPANT TEST	10.18

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** VALUE SHOWN IS FOR FIRST YEAR ONLY (VALUE VARIES OVER TIME)
*** PROGRAM COST CALCULATION VALUES ARE SHOWN ON PAGE 2

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

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)
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0
2025	918	4,000	0	4,918	792	0	2,641	0	0	2,641
2026	950	4,040	0	4,990	2,583	0	2,734	0	0	2,734
2027	984	4,080	0	5,064	4,493	0	2,830	0	0	2,830
2028	1,018	4,121	0	5,140	6,392	0	2,930	0	0	2,930
2029	1,054	4,163	0	5,217	8,331	0	3,033	0	0	3,033
2030	1,091	4,204	0	5,296	10,743	0	3,140	0	0	3,140
2031	1,130	4,246	0	5,376	13,077	0	3,251	0	0	3,251
2032	1,170	4,289	0	5,458	15,559	0	3,365	0	0	3,365
2033	1,211	4,332	0	5,543	18,039	0	3,484	0	0	3,484
2034	1,254	4,375	0	5,629	20,650	0	3,607	0	0	3,607
2035	0	0	0	0	22,327	0	0	0	0	0
2036	0	0	0	0	22,818	0	0	0	0	0
2037	0	0	0	0	23,323	0	0	0	0	0
2038	0	0	0	0	23,910	0	0	0	0	0
2039	0	0	0	0	24,529	0	0	0	0	0
2040	0	0	0	0	25,038	0	0	0	0	0
2041	0	0	0	0	25,559	0	0	0	0	0
2042	0	0	0	0	26,071	0	0	0	0	0
2043	1,432	4,000	0	5,432	26,580	0	4,119	0	0	4,119
2044	1,482	4,040	0	5,522	27,227	0	4,264	0	0	4,264
2045	1,534	4,080	0	5,615	27,941	0	4,414	0	0	4,414
2046	1,588	4,121	0	5,710	28,545	0	4,570	0	0	4,570
2047	1,644	4,163	0	5,807	29,140	0	4,731	0	0	4,731
2048	1,702	4,204	0	5,906	29,669	0	4,897	0	0	4,897
2049	1,762	4,246	0	6,008	30,256	0	5,070	0	0	5,070
2050	1,824	4,289	0	6,113	30,818	0	5,249	0	0	5,249
2051	1,889	4,332	0	6,220	31,259	0	5,434	0	0	5,434
2052	1,955	4,375	0	6,330	31,919	0	5,625	0	0	5,625
2053	0	0	0	0	32,420	0	0	0	0	0
2054	0	0	0	0	32,927	0	0	0	0	0
2055	0	0	0	0	33,440	0	0	0	0	0
2056	0	0	0	0	33,959	0	0	0	0	0
2057	0	0	0	0	34,484	0	0	0	0	0
2058	0	0	0	0	35,016	0	0	0	0	0
2059	0	0	0	0	35,555	0	0	0	0	0
2060	0	0	0	0	36,100	0	0	0	0	0
2061	2,233	4,000	0	6,233	36,652	0	6,424	0	0	6,424
2062	2,311	4,040	0	6,352	37,211	0	6,650	0	0	6,650
2063	2,393	4,080	0	6,473	37,924	0	6,884	0	0	6,884
2064	2,477	4,121	0	6,599	38,647	0	7,127	0	0	7,127
2065	2,565	4,163	0	6,727	39,369	0	7,378	0	0	7,378
2066	2,655	4,204	0	6,859	40,086	0	7,638	0	0	7,638
2067	2,749	4,246	0	6,995	40,806	0	7,908	0	0	7,908
2068	2,845	4,289	0	7,134	41,532	0	8,186	0	0	8,186
2069	2,946	4,332	0	7,277	42,268	0	8,475	0	0	8,475
2070	3,050	4,375	0	7,424	43,012	0	8,774	0	0	8,774
2071	0	0	0	0	43,765	0	0	0	0	0
2072	0	0	0	0	44,538	0	0	0	0	0
2073	0	0	0	0	45,318	0	0	0	0	0
2074	0	0	0	0	46,116	0	0	0	0	0
2075	0	0	0	0	46,932	0	0	0	0	0
2076	0	0	0	0	47,768	0	0	0	0	0
2077	0	0	0	0	48,625	0	0	0	0	0
2078	0	0	0	0	49,503	0	0	0	0	0
2079	3,482	4,000	0	7,482	50,405	0	10,019	0	0	10,019
2080	3,605	4,040	0	7,645	51,330	0	10,372	0	0	10,372
2081	3,732	4,080	0	7,813	52,280	0	10,737	0	0	10,737
2082	3,864	4,121	0	7,985	53,258	0	11,116	0	0	11,116
NOM	68,500	141,792	0	210,291	1,838,833	0	197,075	0	0	197,075
NPV	10,150	33,778	0	43,928	200,282	0	29,200	0	0	29,200

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

Florida Power & Light Company
Docket No. 20250048-EG
Staff's Second Data Request
Request No. 2
Attachment 2 of 2

INPUT DATA - PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

ESCALATION RATES

Year	(1) CPI%	(2) PPI-CAP%	(3) O&M%	(4) Fuel (cents/kwh)	(5) Capacity Factor	(6) Blended Cap. Rate	(7a) Onpeak Energy Charge (cents/kwh)	(7b) Offpeak Energy Charge (cents/kwh)	(8) Demand Charge ($/kw)
2023	2.50	2.50	2.50	0.00	0.00	2.00	13.28	0.00	0.00
2024	2.50	2.50	2.50	0.00	0.00	2.00	13.94	0.00	0.00
2025	2.50	2.50	2.50	0.00	0.00	2.00	11.72	0.00	0.00
2026	2.50	2.50	2.50	0.00	0.00	2.00	12.70	0.00	0.00
2027	2.50	2.50	2.50	0.00	0.00	2.00	13.19	0.00	0.00
2028	2.50	2.50	2.50	0.00	0.00	2.00	13.34	0.00	0.00
2029	2.50	2.50	2.50	0.00	0.00	2.00	13.45	0.00	0.00
2030	2.50	2.50	2.50	0.00	0.00	2.00	14.12	0.00	0.00
2031	2.50	2.50	2.50	0.00	0.00	2.00	14.47	0.00	0.00
2032	2.50	2.50	2.50	0.00	0.00	2.00	14.85	0.00	0.00
2033	2.50	2.50	2.50	6.27	63.00	2.00	15.12	0.00	0.00
2034	2.50	2.50	2.50	6.39	65.00	2.00	15.40	0.00	0.00
2035	2.50	2.50	2.50	6.50	65.00	2.00	15.78	0.00	0.00
2036	2.50	2.50	2.50	6.37	70.00	2.00	16.13	0.00	0.00
2037	2.50	2.50	2.50	6.52	71.00	2.00	16.49	0.00	0.00
2038	2.50	2.50	2.50	6.59	74.00	2.00	16.90	0.00	0.00
2039	2.50	2.50	2.50	6.59	77.00	2.00	17.34	0.00	0.00
2040	2.50	2.50	2.50	6.77	78.00	2.00	17.70	0.00	0.00
2041	2.50	2.50	2.50	6.89	82.00	2.00	18.07	0.00	0.00
2042	2.50	2.50	2.50	6.95	81.00	2.00	18.43	0.00	0.00
2043	2.50	2.50	2.50	7.18	81.00	2.00	18.79	0.00	0.00
2044	2.50	2.50	2.50	7.37	83.00	2.00	19.25	0.00	0.00
2045	2.50	2.50	2.50	7.80	84.00	2.00	19.75	0.00	0.00
2046	2.50	2.50	2.50	7.64	86.00	2.00	20.18	0.00	0.00
2047	2.50	2.50	2.50	8.09	86.00	2.00	20.60	0.00	0.00
2048	2.50	2.50	2.50	8.47	85.00	2.00	20.98	0.00	0.00
2049	2.50	2.50	2.50	8.71	87.00	2.00	21.39	0.00	0.00
2050	2.50	2.50	2.50	9.12	88.00	2.00	21.79	0.00	0.00
2051	2.50	2.50	2.50	9.24	88.00	2.00	22.10	0.00	0.00
2052	2.50	2.50	2.50	9.13	87.00	2.00	22.57	0.00	0.00
2053	2.50	2.50	2.50	9.07	89.00	2.00	22.92	0.00	0.00
2054	2.50	2.50	2.50	8.89	90.00	2.00	23.28	0.00	0.00
2055	2.50	2.50	2.50	8.89	90.00	2.00	23.64	0.00	0.00
2056	2.50	2.50	2.50	8.72	90.00	2.00	24.01	0.00	0.00
2057	2.50	2.50	2.50	8.80	91.00	2.00	24.38	0.00	0.00
2058	2.50	2.50	2.50	8.60	92.00	2.00	24.76	0.00	0.00
2059	2.50	2.50	2.50	8.63	91.00	2.00	25.14	0.00	0.00
2060	2.50	2.50	2.50	8.53	91.00	2.00	25.52	0.00	0.00
2061	2.50	2.50	2.50	8.46	90.00	2.00	25.91	0.00	0.00
2062	2.50	2.50	2.50	8.38	91.00	2.00	26.31	0.00	0.00
2063	2.50	2.50	2.50	8.80	91.00	2.00	26.81	0.00	0.00
2064	2.50	2.50	2.50	8.59	92.00	2.00	27.32	0.00	0.00
2065	2.50	2.50	2.50	8.57	91.00	2.00	27.83	0.00	0.00
2066	2.50	2.50	2.50	8.53	91.00	2.00	28.34	0.00	0.00
2067	2.50	2.50	2.50	8.57	91.00	2.00	28.85	0.00	0.00
2068	2.50	2.50	2.50	8.50	91.00	2.00	29.36	0.00	0.00
2069	2.50	2.50	2.50	8.59	91.00	2.00	29.88	0.00	0.00
2070	2.50	2.50	2.50	8.33	91.00	2.00	30.41	0.00	0.00
2071	2.50	2.50	2.50	8.28	91.00	2.00	30.94	0.00	0.00
2072	2.50	2.50	2.50	8.23	91.00	2.00	31.49	0.00	0.00
2073	2.5	2.5	2.5	8.18	91.00	2.00	32.04	0.00	0.00
2074	2.5	2.5	2.5	8.18	91.00	2.00	32.60	0.00	0.00
2075	2.5	2.5	2.5	8.18	91.00	2.00	33.18	0.00	0.00
2076	2.5	2.5	2.5	8.18	91.00	2.00	33.77	0.00	0.00
2077	2.5	2.5	2.5	8.18	91.00	2.00	34.38	0.00	0.00
2078	2.5	2.5	2.5	8.18	91.00	2.00	35.00	0.00	0.00
2079	2.5	2.5	2.5	8.18	91.00	2.00	35.63	0.00	0.00
2080	2.5	2.5	2.5	8.18	91.00	2.00	36.29	0.00	0.00
2081	2.5	2.5	2.5	8.18	91.00	2.00	36.96	0.00	0.00
2082	2.5	2.5	2.5	8.179	91.00	2.00	37.65	0.00	0.00

Legend:

Column (1) used for:	Utility Cost
	Customer Equipment
	Supply Costs
Column (3) used for:	Customer O&M Cost
	Generator Fixed O&M
	T&D Fixed O&M
	Generator Variable O&M
Column (6) used for:	Gen, Tran, & Dist Cost

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

YEAR	(2) MID-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) **ITC NORMALIZATION $(000)**	(12) TOTAL FIXED CHARGES $(000)	(13) PRESENT WORTH FIXED CHARGES $(000)	(14) CUMULATIVE PW FIXED CHARGES $(000)	(15) **REPLACEMENT COST BASIS FOR PROPERTY INSURANCE $(000)**
2035	46,945	666	0	2,966	554	788	17	936	503	0	6,429	6,429	6,429	46,809
2036	45,621	647	0	2,882	1,098	772	17	936	(70)	0	6,282	5,812	12,241	45,873
2037	44,141	626	0	2,789	1,581	756	16	936	(585)	0	6,120	5,237	17,478	44,937
2038	42,717	606	0	2,699	2,012	741	16	936	(1,046)	0	5,963	4,721	22,199	44,001
2039	41,344	586	0	2,612	2,394	725	16	936	(1,458)	0	5,811	4,256	26,456	43,064
2040	40,019	567	0	2,528	2,732	709	15	936	(1,824)	0	5,664	3,838	30,294	42,128
2041	38,739	549	0	2,447	3,028	693	15	936	(2,147)	0	5,522	3,461	33,755	41,192
2042	37,499	532	0	2,369	3,285	678	14	936	(2,431)	0	5,383	3,122	36,876	40,256
2043	36,282	514	0	2,292	3,537	662	14	936	(2,709)	0	5,247	2,815	39,691	39,320
2044	35,068	497	0	2,215	3,788	646	14	936	(2,986)	0	5,111	2,536	42,227	38,383
2045	33,854	480	0	2,139	4,040	630	13	936	(3,264)	0	4,975	2,284	44,511	37,447
2046	32,640	463	0	2,062	4,292	614	13	936	(3,542)	0	4,839	2,055	46,566	36,511
2047	31,426	446	0	1,985	4,543	599	13	936	(3,819)	0	4,703	1,848	48,414	35,575
2048	30,212	428	0	1,909	4,795	583	12	936	(4,097)	0	4,567	1,660	50,074	34,639
2049	28,999	411	0	1,832	5,047	567	12	936	(4,375)	0	4,431	1,490	51,564	33,703
2050	27,785	394	0	1,755	5,298	551	12	936	(4,652)	0	4,295	1,336	52,900	32,766
2051	26,571	377	0	1,679	5,550	536	11	936	(4,930)	0	4,159	1,197	54,097	31,830
2052	25,357	360	0	1,602	5,801	520	11	936	(5,208)	0	4,022	1,071	55,168	30,894
2053	24,143	342	0	1,525	6,053	504	11	936	(5,485)	0	3,886	957	56,125	29,958
2054	22,929	325	0	1,449	6,305	488	10	936	(5,763)	0	3,750	855	56,979	29,022
2055	21,835	310	0	1,379	6,320	473	10	936	(5,802)	0	3,626	764	57,744	28,085
2056	20,979	297	0	1,325	6,102	457	10	936	(5,602)	0	3,526	687	58,431	27,149
2057	20,243	287	0	1,279	5,886	441	9	936	(5,402)	0	3,437	620	59,051	26,213
2058	19,507	277	0	1,232	5,670	425	9	936	(5,202)	0	3,348	559	59,610	25,277
2059	18,771	266	0	1,186	5,454	410	9	936	(5,002)	0	3,259	503	60,113	24,341
2060	18,035	256	0	1,139	5,238	394	8	936	(4,801)	0	3,170	453	60,566	23,405
2061	17,299	245	0	1,093	5,022	378	8	936	(4,601)	0	3,081	407	60,973	22,468
2062	16,563	235	0	1,046	4,806	362	8	936	(4,401)	0	2,993	366	61,339	21,532
2063	15,827	224	0	1,000	4,591	347	7	936	(4,201)	0	2,904	328	61,667	20,596
2064	15,090	214	0	953	4,375	331	7	936	(4,001)	0	2,815	294	61,961	19,660
2065	14,354	204	0	907	4,159	315	7	936	(3,801)	0	2,726	264	62,225	18,724
2066	13,618	193	0	860	3,943	299	6	936	(3,601)	0	2,637	236	62,461	17,787
2067	12,882	183	0	814	3,727	284	6	936	(3,401)	0	2,549	211	62,672	16,851
2068	12,146	172	0	767	3,511	268	6	936	(3,201)	0	2,460	188	62,861	15,915
2069	11,410	162	0	721	3,295	252	5	936	(3,001)	0	2,371	168	63,029	14,979
2070	10,674	151	0	674	3,080	236	5	936	(2,801)	0	2,282	150	63,179	14,043
2071	9,938	141	0	628	2,864	221	5	936	(2,601)	0	2,193	133	63,312	13,107
2072	9,201	130	0	581	2,648	205	4	936	(2,401)	0	2,104	118	63,430	12,170
2073	8,465	120	0	535	2,432	189	4	936	(2,201)	0	2,016	105	63,534	11,234
2074	7,729	110	0	488	2,216	173	4	936	(2,001)	0	1,927	93	63,627	10,298
2075	6,993	99	0	442	2,000	158	3	936	(1,801)	0	1,838	82	63,709	9,362
2076	6,257	89	0	395	1,785	158	3	936	(1,600)	0	1,765	73	63,781	9,362
2077	5,521	78	0	349	1,569	158	3	936	(1,400)	0	1,692	64	63,845	9,362
2078	4,785	68	0	302	1,353	158	3	936	(1,200)	0	1,620	57	63,902	9,362
2079	4,049	57	0	256	1,137	158	3	936	(1,000)	0	1,547	50	63,953	9,362
2080	3,313	47	0	209	921	158	3	936	(800)	0	1,474	44	63,997	9,362
2081	2,576	37	0	163	705	158	3	936	(600)	0	1,402	39	64,036	9,362
2082	1,840	26	0	116	489	158	3	936	(400)	0	1,329	34	64,070	9,362
2083	1,104	16	0	70	274	158	3	936	(200)	0	1,256	30	64,100	9,362
2084	368	5	0	23	58	158	3	936	0	0	1,183	26	64,126	9,362

IN SERVICE COST ($000)	46,809
IN SERVICE YEAR	2035
BOOK LIFE (YRS)	50
EFFEC. TAX RATE	25.345%
DISCOUNT RATE	8.10%
PROPERTY TAX	1.68%
PROPERTY INSURANCE	0.036%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST
DEBT	40.4%	3.5%
P/S	0.0%	0.0%
C/S	59.6%	10.60%

K-FACTOR = CPWFC / IN-SVC COST = 1.36996

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION $(000)	(4) ACCUMULATED TAX DEPRECIATION $(000)	(5) BOOK DEPRECIATION $(000)	(6) ACCUMULATED BOOK DEPRECIATION $(000)	(7) BOOK DEPRECIATION FOR DEFERRED TAX $(000)	(8) ACCUMULATED BOOK DEPR FOR DEFERRED TAX $(000)	(9) **DEFERRED TAX DUE TO DEPRECIATION $(000)**	(10) TOTAL EQUITY AFUDC $(000)	(11) BOOK DEPR RATE MINUS 1/LIFE	(12) (10)*(11) TAX RATE $(000)	(13) SALVAGE TAX RATE $(000)	(14) ANNUAL DEFERRED TAX (9)-(12)+(13) $(000)	(15) ACCUMULATED DEFERRED TAX $(000)
2035	3.75%	1,584	1,584	936	936	936	936	503	7,341	0	0	0	503	1,208
2036	7.22%	3,050	4,634	936	1,872	936	1,872	(70)	7,341	0	0	0	(70)	1,138
2037	6.68%	2,821	7,455	936	2,809	936	2,809	(585)	7,341	0	0	0	(585)	553
2038	6.18%	2,610	10,065	936	3,745	936	3,745	(1,046)	7,341	0	0	0	(1,046)	(493)
2039	5.71%	2,414	12,478	936	4,681	936	4,681	(1,458)	7,341	0	0	0	(1,458)	(1,951)
2040	5.29%	2,233	14,711	936	5,617	936	5,617	(1,824)	7,341	0	0	0	(1,824)	(3,775)
2041	4.89%	2,065	16,776	936	6,553	936	6,553	(2,147)	7,341	0	0	0	(2,147)	(5,922)
2042	4.52%	1,910	18,686	936	7,489	936	7,489	(2,431)	7,341	0	0	0	(2,431)	(8,353)
2043	4.46%	1,885	20,572	936	8,426	936	8,426	(2,709)	7,341	0	0	0	(2,709)	(11,061)
2044	4.46%	1,885	22,456	936	9,362	936	9,362	(2,986)	7,341	0	0	0	(2,986)	(14,048)
2045	4.46%	1,885	24,341	936	10,298	936	10,298	(3,264)	7,341	0	0	0	(3,264)	(17,312)
2046	4.46%	1,885	26,226	936	11,234	936	11,234	(3,542)	7,341	0	0	0	(3,542)	(20,854)
2047	4.46%	1,885	28,111	936	12,170	936	12,170	(3,819)	7,341	0	0	0	(3,819)	(24,673)
2048	4.46%	1,885	29,996	936	13,107	936	13,107	(4,097)	7,341	0	0	0	(4,097)	(28,770)
2049	4.46%	1,885	31,881	936	14,043	936	14,043	(4,375)	7,341	0	0	0	(4,375)	(33,145)
2050	4.46%	1,885	33,765	936	14,979	936	14,979	(4,652)	7,341	0	0	0	(4,652)	(37,797)
2051	4.46%	1,885	35,650	936	15,915	936	15,915	(4,930)	7,341	0	0	0	(4,930)	(42,727)
2052	4.46%	1,885	37,535	936	16,851	936	16,851	(5,208)	7,341	0	0	0	(5,208)	(47,935)
2053	4.46%	1,885	39,420	936	17,787	936	17,787	(5,485)	7,341	0	0	0	(5,485)	(53,420)
2054	4.46%	1,885	41,305	936	18,724	936	18,724	(5,763)	7,341	0	0	0	(5,763)	(59,183)
2055	2.23%	943	42,247	936	19,660	936	19,660	(5,802)	7,341	0	0	0	(5,802)	(64,985)
2056	0.00%	0	42,247	936	20,596	936	20,596	(5,602)	7,341	0	0	0	(5,602)	(70,587)
2057	0.00%	0	42,247	936	21,532	936	21,532	(5,402)	7,341	0	0	0	(5,402)	(75,988)
2058	0.00%	0	42,247	936	22,468	936	22,468	(5,202)	7,341	0	0	0	(5,202)	(81,190)
2059	0.00%	0	42,247	936	23,405	936	23,405	(5,002)	7,341	0	0	0	(5,002)	(86,192)
2060	0.00%	0	42,247	936	24,341	936	24,341	(4,801)	7,341	0	0	0	(4,801)	(90,993)
2061	0.00%	0	42,247	936	25,277	936	25,277	(4,601)	7,341	0	0	0	(4,601)	(95,595)
2062	0.00%	0	42,247	936	26,213	936	26,213	(4,401)	7,341	0	0	0	(4,401)	(99,996)
2063	0.00%	0	42,247	936	27,149	936	27,149	(4,201)	7,341	0	0	0	(4,201)	(104,197)
2064	0.00%	0	42,247	936	28,085	936	28,085	(4,001)	7,341	0	0	0	(4,001)	(108,198)
2065	0.00%	0	42,247	936	29,022	936	29,022	(3,801)	7,341	0	0	0	(3,801)	(112,000)
2066	0.00%	0	42,247	936	29,958	936	29,958	(3,601)	7,341	0	0	0	(3,601)	(115,601)
2067	0.00%	0	42,247	936	30,894	936	30,894	(3,401)	7,341	0	0	0	(3,401)	(119,002)
2068	0.00%	0	42,247	936	31,830	936	31,830	(3,201)	7,341	0	0	0	(3,201)	(122,203)
2069	0.00%	0	42,247	936	32,766	936	32,766	(3,001)	7,341	0	0	0	(3,001)	(125,204)
2070	0.00%	0	42,247	936	33,703	936	33,703	(2,801)	7,341	0	0	0	(2,801)	(128,005)
2071	0.00%	0	42,247	936	34,639	936	34,639	(2,601)	7,341	0	0	0	(2,601)	(130,605)
2072	0.00%	0	42,247	936	35,575	936	35,575	(2,401)	7,341	0	0	0	(2,401)	(133,006)
2073	0.00%	0	42,247	936	36,511	936	36,511	(2,201)	7,341	0	0	0	(2,201)	(135,207)
2074	0.00%	0	42,247	936	37,447	936	37,447	(2,001)	7,341	0	0	0	(2,001)	(137,207)
2075	0.00%	0	42,247	936	38,383	936	38,383	(1,801)	7,341	0	0	0	(1,801)	(139,008)
2076	0.00%	0	42,247	936	39,320	936	39,320	(1,600)	7,341	0	0	0	(1,600)	(140,609)
2077	0.00%	0	42,247	936	40,256	936	40,256	(1,400)	7,341	0	0	0	(1,400)	(142,009)
2078	0.00%	0	42,247	936	41,192	936	41,192	(1,200)	7,341	0	0	0	(1,200)	(143,209)
2079	0.00%	0	42,247	936	42,128	936	42,128	(1,000)	7,341	0	0	0	(1,000)	(144,210)
2080	0.00%	0	42,247	936	43,064	936	43,064	(800)	7,341	0	0	0	(800)	(145,010)
2081	0.00%	0	42,247	936	44,001	936	44,001	(600)	7,341	0	0	0	(600)	(145,610)
2082	0.00%	0	42,247	936	44,937	936	44,937	(400)	7,341	0	0	0	(400)	(146,010)
2083	0.00%	0	42,247	936	45,873	936	45,873	(200)	7,341	0	0	0	(200)	(146,210)
2084	0.00%	0	42,247	936	46,809	936	46,809	0	7,341	0	0	0	0	(146,210)

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2084
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	705
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	7,341
BOOK DEPRECIATION RATE - 1/USEFUL LIFE	2.00%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(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)
2035	3.75%	1,584	503	45,873	936	1,208	47,514	46,376	46,945
2036	7.22%	3,050	(70)	44,937	1,872	1,138	46,376	44,867	45,621
2037	6.68%	2,821	(585)	44,001	2,809	553	44,867	43,416	44,141
2038	6.18%	2,610	(1,046)	43,064	3,745	(493)	43,416	42,018	42,717
2039	5.71%	2,414	(1,458)	42,128	4,681	(1,951)	42,018	40,670	41,344
2040	5.29%	2,233	(1,824)	41,192	5,617	(3,775)	40,670	39,368	40,019
2041	4.89%	2,065	(2,147)	40,256	6,553	(5,922)	39,368	38,109	38,739
2042	4.52%	1,910	(2,431)	39,320	7,489	(8,353)	38,109	36,889	37,499
2043	4.46%	1,885	(2,709)	38,383	8,426	(11,061)	36,889	35,675	36,282
2044	4.46%	1,885	(2,986)	37,447	9,362	(14,048)	35,675	34,461	35,068
2045	4.46%	1,885	(3,264)	36,511	10,298	(17,312)	34,461	33,247	33,854
2046	4.46%	1,885	(3,542)	35,575	11,234	(20,854)	33,247	32,033	32,640
2047	4.46%	1,885	(3,819)	34,639	12,170	(24,673)	32,033	30,819	31,426
2048	4.46%	1,885	(4,097)	33,703	13,107	(28,770)	30,819	29,605	30,212
2049	4.46%	1,885	(4,375)	32,766	14,043	(33,145)	29,605	28,392	28,999
2050	4.46%	1,885	(4,652)	31,830	14,979	(37,797)	28,392	27,178	27,785
2051	4.46%	1,885	(4,930)	30,894	15,915	(42,727)	27,178	25,964	26,571
2052	4.46%	1,885	(5,208)	29,958	16,851	(47,935)	25,964	24,750	25,357
2053	4.46%	1,885	(5,485)	29,022	17,787	(53,420)	24,750	23,536	24,143
2054	4.46%	1,885	(5,763)	28,085	18,724	(59,183)	23,536	22,322	22,929
2055	2.23%	943	(5,802)	27,149	19,660	(64,985)	22,322	21,347	21,835
2056	0.00%	0	(5,602)	26,213	20,596	(70,587)	21,347	20,611	20,979
2057	0.00%	0	(5,402)	25,277	21,532	(75,988)	20,611	19,875	20,243
2058	0.00%	0	(5,202)	24,341	22,468	(81,190)	19,875	19,139	19,507
2059	0.00%	0	(5,002)	23,405	23,405	(86,192)	19,139	18,403	18,771
2060	0.00%	0	(4,801)	22,468	24,341	(90,993)	18,403	17,667	18,035
2061	0.00%	0	(4,601)	21,532	25,277	(95,595)	17,667	16,931	17,299
2062	0.00%	0	(4,401)	20,596	26,213	(99,996)	16,931	16,195	16,563
2063	0.00%	0	(4,201)	19,660	27,149	(104,197)	16,195	15,459	15,827
2064	0.00%	0	(4,001)	18,724	28,085	(108,198)	15,459	14,722	15,090
2065	0.00%	0	(3,801)	17,787	29,022	(112,000)	14,722	13,986	14,354
2066	0.00%	0	(3,601)	16,851	29,958	(115,601)	13,986	13,250	13,618
2067	0.00%	0	(3,401)	15,915	30,894	(119,002)	13,250	12,514	12,882
2068	0.00%	0	(3,201)	14,979	31,830	(122,203)	12,514	11,778	12,146
2069	0.00%	0	(3,001)	14,043	32,766	(125,204)	11,778	11,042	11,410
2070	0.00%	0	(2,801)	13,107	33,703	(128,005)	11,042	10,306	10,674
2071	0.00%	0	(2,601)	12,170	34,639	(130,605)	10,306	9,570	9,938
2072	0.00%	0	(2,401)	11,234	35,575	(133,006)	9,570	8,833	9,201
2073	0.00%	0	(2,201)	10,298	36,511	(135,207)	8,833	8,097	8,465
2074	0.00%	0	(2,001)	9,362	37,447	(137,207)	8,097	7,361	7,729
2075	0.00%	0	(1801)	8426	38,383	(139,008)	7,361	6,625	6,993
2076	0.00%	0	(1600)	7489	39,320	(140,609)	6,625	5,889	6,257
2077	0.00%	0	(1400)	6553	40,256	(142,009)	5,889	5,153	5,521
2078	0.00%	0	(1200)	5617	41,192	(143,209)	5,153	4,417	4,785
2079	0.00%	0	(1000)	4681	42,128	(144,210)	4,417	3,681	4,049
2080	0.00%	0	(800)	3745	43,064	(145,010)	3,681	2,944	3,313
2081	0.00%	0	(600)	2809	44,001	(145,610)	2,944	2,208	2,576
2082	0.00%	0	(400)	1872	44,937	(146,010)	2,208	1,472	1,840
2083	0.00%	0	(200)	936	45,873	(146,210)	1,472	736	1,104
2084	0.00%	0	0	0	46,809	(146,210)	736	0	368

*** Column not specified in workbook**

(1) YEAR	(2) NO.YEARS BEFORE IN-SERVICE	(3) PLANT ESCALATION RATE	(4) CUMULATIVE ESCALATION FACTOR	(5) YEARLY EXPENDITURE (%)	(6) ANNUAL SPENDING ($/kW)	(7) CUMULATIVE AVERAGE SPENDING ($/kW)
2023	-12	0.0%	1.000	0.00	0.00	0.00
2024	-11	2.5%	1.025	0.00	0.00	0.00
2025	-10	2.5%	1.051	0.00	0.00	0.00
2026	-9	2.5%	1.077	0.00	0.00	0.00
2027	-8	2.5%	1.104	0.00	0.00	0.00
2028	-7	2.5%	1.131	0.00	0.00	0.00
2029	-6	2.5%	1.160	0.00	0.00	0.00
2030	-5	2.5%	1.189	43.90	410.37	205.19
2031	-4	2.5%	1.218	38.38	367.69	594.21
2032	-3	2.5%	1.249	17.72	174.01	865.07
2033	-2	2.0%	1.274	0.00	0.00	952.07
2034	-1	2.0%	1.299	0.00	0.00	952.07
				100.00	952.07	

YEAR	NO.YEARS BEFORE IN-SERVICE	(8) CUMULATIVE SPENDING WITH AFUDC ($/kW)	(8a)* DEBT AFUDC ($/kW)	(8b)* CUMULATIVE DEBT AFUDC ($/kW)	(9) YEARLY TOTAL AFUDC ($/kW)	(9a)* CUMULATIVE TOTAL AFUDC ($/kW)	(9b)* CONSTRUCTION PERIOD INTEREST ($/kW)	(9c)* CUMULATIVE CPI ($/kW)	(9d)* DEFERRED TAXES ($/kW)	(9e)* CUMULATIVE DEFERRED TAXES ($/kW)	(10) INCREMENTAL YEAR-END BOOK VALUE ($/kW)	(11) CUMULATIVE YEAR-END BOOK VALUE ($/kW)
2023	-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	-11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	-5	205.19	2.87	2.87	12.76	12.76	7.20	7.20	1.10	1.10	423.13	423.13
2031	-4	606.98	8.48	11.35	37.69	50.45	20.86	28.06	3.14	4.23	405.38	828.51
2032	-3	915.51	12.76	24.11	56.68	107.13	30.36	58.42	4.46	8.70	230.69	1,059.20
2033	-2	1,059.20	14.71	38.82	65.34	172.47	33.42	91.84	4.74	13.44	65.34	1,124.54
2034	-1	1,124.54	15.56	54.38	69.11	241.58	33.42	125.26	4.53	17.97	69.11	1,193.65
				54.38		241.58		125.26		17.97		1,193.65

IN SERVICE YEAR	2035
PLANT COSTS	786
AFUDC RATE	6.22%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	37,335	37,335	37,335
EQUITY AFUDC	7,341		
DEBT AFUDC	2,132	2,132	
CPI			4,912
ITC Basis Reduction (Solar)			
TOTAL	46,809	39,468	42,247

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(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
2023	0	0	2.11	2.82	2.11	0.00	1.00	1.00
2024	0	0	2.66	4.00	2.66	0.00	1.00	1.00
2025	20,000	20,000	2.97	3.12	3.29	0.00	1.00	1.00
2026	40,200	40,200	3.41	3.56	3.84	0.00	1.00	1.00
2027	60,602	60,602	3.37	3.52	3.82	0.00	1.00	1.00
2028	81,208	81,208	3.51	3.61	3.92	0.00	1.00	1.00
2029	102,020	102,020	3.59	3.67	4.11	0.00	1.00	1.00
2030	123,040	123,040	3.29	3.31	3.79	0.00	1.00	1.00
2031	144,271	144,271	3.07	2.98	3.61	0.00	1.00	1.00
2032	165,713	165,713	2.95	2.84	3.54	0.00	1.00	1.00
2033	187,371	187,371	3.33	3.26	3.79	6.88	1.00	1.00
2034	209,244	209,244	3.53	3.48	4.04	6.98	1.00	1.00
2035	209,244	209,244	3.86	3.85	4.42	7.13	1.00	1.00
2036	209,244	209,244	4.00	3.98	4.51	6.98	1.00	1.00
2037	209,244	209,244	4.20	4.20	4.70	7.15	1.00	1.00
2038	209,244	209,244	4.53	4.58	5.05	7.22	1.00	1.00
2039	209,244	209,244	4.72	4.74	5.21	7.16	1.00	1.00
2040	209,244	209,244	5.06	5.08	5.54	7.38	1.00	1.00
2041	209,244	209,244	5.39	5.38	5.81	7.51	1.00	1.00
2042	209,244	209,244	5.49	5.51	5.93	7.59	1.00	1.00
2043	209,244	209,244	5.72	5.74	6.18	7.82	1.00	1.00
2044	209,244	209,244	6.11	6.16	6.61	8.08	1.00	1.00
2045	209,244	209,244	6.50	6.55	7.02	8.49	1.00	1.00
2046	209,244	209,244	6.71	6.77	7.26	8.36	1.00	1.00
2047	209,244	209,244	7.07	7.12	7.61	8.85	1.00	1.00
2048	209,244	209,244	7.41	7.46	7.99	9.24	1.00	1.00
2049	209,244	209,244	7.89	7.96	8.49	9.55	1.00	1.00
2050	209,244	209,244	8.54	8.64	9.23	10.09	1.00	1.00
2051	209,244	209,244	8.49	8.58	9.13	10.16	1.00	1.00
2052	209,244	209,244	8.54	8.63	9.14	10.08	1.00	1.00
2053	209,244	209,244	8.58	8.67	9.22	10.06	1.00	1.00
2054	209,244	209,244	8.61	8.71	9.19	9.85	1.00	1.00
2055	209,244	209,244	8.57	8.64	9.11	9.91	1.00	1.00
2056	209,244	209,244	8.54	8.64	9.08	9.73	1.00	1.00
2057	209,244	209,244	8.59	8.71	9.21	9.80	1.00	1.00
2058	209,244	209,244	8.51	8.59	9.03	9.59	1.00	1.00
2059	209,244	209,244	8.55	8.64	9.10	9.63	1.00	1.00
2060	209,244	209,244	8.59	8.70	9.13	9.54	1.00	1.00
2061	209,244	209,244	8.43	8.54	8.97	9.45	1.00	1.00
2062	209,244	209,244	8.42	8.52	8.97	9.27	1.00	1.00
2063	209,244	209,244	8.49	8.64	9.15	9.73	1.00	1.00
2064	209,244	209,244	8.47	8.60	9.03	9.62	1.00	1.00
2065	209,244	209,244	8.37	8.49	8.92	9.50	1.00	1.00
2066	209,244	209,244	8.32	8.44	8.92	9.49	1.00	1.00
2067	209,244	209,244	8.33	8.47	8.92	9.47	1.00	1.00
2068	209,244	209,244	8.39	8.52	8.62	9.42	1.00	1.00
2069	209,244	209,244	8.39	8.52	8.62	9.50	1.00	1.00
2070	209,244	209,244	8.39	8.52	8.62	9.30	1.00	1.00
2071	209,244	209,244	8.39	8.52	8.62	9.26	1.00	1.00
2072	209,244	209,244	8.39	8.52	8.62	9.22	1.00	1.00
2073	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2074	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2075	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2076	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2077	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2078	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2079	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2080	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2081	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00
2082	209,244	209,244	8.39	8.52	8.62	9.18	1.00	1.00

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

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

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)
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	6,429	626	24	14512	15919	5671
2036	6,282	642	26	15315	16791	5474
2037	6,120	658	27	15907	17432	5280
2038	5,963	674	29	16740	18366	5040
2039	5,811	691	31	17426	18933	5026
2040	5,664	708	32	18132	19784	4753
2041	5,522	726	35	19394	21144	4532
2042	5,383	744	35	19333	21121	4374
2043	5,247	763	36	19970	21766	4250
2044	5,111	782	38	21014	23051	3893
2045	4,975	801	40	22508	24502	3821
2046	4,839	821	41	22559	24701	3560
2047	4,703	842	42	23888	26131	3344
2048	4,567	863	43	24744	26980	3237
2049	4,431	884	45	26016	28549	2827
2050	4,295	907	47	27567	30506	2309
2051	4,159	929	48	27939	30700	2374
2052	4,022	952	49	27292	30118	2198
2053	3,886	976	51	27718	30767	1864
2054	3,750	1,001	53	27498	30445	1857
2055	3,626	1,026	54	27482	30643	1545
2056	3,526	1,051	56	26960	30072	1520
2057	3,437	1,078	58	27506	30636	1442
2058	3,348	1,104	60	27170	30310	1372
2059	3,259	1,132	60	26984	30105	1330
2060	3,170	1,160	62	26656	29820	1229
2061	3,081	1,189	63	26140	29208	1266
2062	2,993	1,219	65	26184	28965	1495
2063	2,904	1,250	67	27497	30429	1288
2064	2,815	1,281	69	27132	30403	894
2065	2,726	1,313	70	26793	29689	1213
2066	2,637	1,346	72	26656	29655	1056
2067	2,549	1,379	74	26797	29589	1209
2068	2,460	1,414	76	26581	29451	1079
2069	2,371	1,449	77	26859	29700	1057
2070	2,282	1,485	79	26028	29069	805
2071	2,193	1,523	81	25874	28945	726
2072	2,104	1,561	83	25721	28821	648
2073	2,016	1,600	85	25568	28697	572
2074	1,927	1,640	88	25568	28697	525
2075	1,838	1,681	90	25568	28697	479
2076	1,765	1,723	92	25568	28697	451
2077	1,692	1,766	94	25568	28697	423
2078	1,620	1,810	97	25568	28697	397
2079	1,547	1,855	99	25568	28697	372
2080	1,474	1,901	102	25568	28697	348
2081	1,402	1,949	104	25568	28697	326
2082	1,329	1,998	107	25568	28697	304
NOM	169,247	56,870	2,957	1,172,171	1,300,190	101,056
NPV	25,174.43	4,380.42	213	108,323	119,168	18,923

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : **2025 DSM Plan - Residential Air Conditioning**

(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)
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	224	0
2026	282	21	302	84	21	105	767	0
2027	567	36	602	170	36	206	1,270	0
2028	854	52	906	257	52	309	1,820	0
2029	1,145	68	1,213	345	69	414	2,392	0
2030	1,439	86	1,525	435	87	522	2,635	0
2031	1,738	105	1,843	527	105	632	2,786	0
2032	2,041	124	2,166	620	125	745	3,065	0
2033	2,350	145	2,495	715	146	861	4,035	0
2034	2,663	167	2,831	812	168	981	4,855	0
2035	2,982	181	3,163	912	182	1,094	5,680	0
2036	2,889	185	3,074	888	187	1,075	5,865	0
2037	2,796	190	2,986	864	191	1,056	6,197	0
2038	2,705	195	2,900	841	196	1,038	6,780	0
2039	2,616	200	2,816	819	201	1,020	7,015	0
2040	2,528	205	2,733	797	206	1,003	7,516	0
2041	2,442	210	2,651	774	211	986	7,941	0
2042	2,357	215	2,572	753	216	969	8,147	0
2043	2,276	220	2,496	731	222	953	8,475	0
2044	2,198	226	2,424	709	227	936	9,122	0
2045	2,123	232	2,355	687	233	920	9,695	0
2046	2,052	237	2,290	665	239	904	10,032	0
2047	1,985	243	2,229	644	245	889	10,533	0
2048	1,922	249	2,171	624	251	875	11,028	0
2049	1,862	256	2,118	604	257	861	11,786	0
2050	1,807	262	2,069	585	264	849	12,807	0
2051	1,755	269	2,023	567	270	837	12,708	0
2052	1,704	275	1,979	550	277	827	12,777	0
2053	1,653	282	1,935	533	284	817	12,837	0
2054	1,602	289	1,891	518	291	809	12,899	0
2055	1,550	296	1,847	504	298	802	12,792	0
2056	1,499	304	1,803	490	306	796	12,810	0
2057	1,448	311	1,760	476	313	790	12,918	0
2058	1,397	319	1,717	463	321	784	12,717	0
2059	1,346	327	1,673	449	329	779	12,803	0
2060	1,295	335	1,631	436	338	774	12,902	0
2061	1,244	344	1,588	422	346	768	12,661	0
2062	1,194	352	1,546	409	355	764	12,624	0
2063	1,144	361	1,505	396	363	759	12,831	0
2064	1,095	370	1,466	382	373	755	12,758	0
2065	1,048	380	1,427	369	382	751	12,583	0
2066	1,001	389	1,390	355	391	747	12,515	0
2067	955	399	1,354	342	401	743	12,562	0
2068	910	409	1,319	328	411	740	12,643	0
2069	866	419	1,285	316	422	737	12,643	0
2070	779	429	1,209	303	432	735	12,643	0
2071	687	440	1,127	290	443	733	12,643	0
2072	597	451	1,048	278	454	732	12,643	0
2073	508	462	971	266	465	731	12,643	0
2074	421	474	895	254	477	731	12,643	0
2075	336	486	822	243	489	732	12,643	0
2076	252	498	750	217	501	718	12,643	0
2077	169	510	680	191	514	705	12,643	0
2078	89	523	612	166	526	693	12,643	0
2079	10	536	547	141	540	681	12,643	0
2080	(0)	550	550	117	553	670	12,643	0
2081	(0)	563	563	93	567	660	12,643	0
2082	0	578	578	69	581	650	12,643	0
NOM	79,175	17,244.30	96,419	26,797	17,352	44,149	568,803	0
NPV	17,903	1,692	19,595	5,603	1,703	7,306	60,269	0

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

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

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)
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	1	0	1
2034	0	0	1	0	1
2035	1	1	1	0	1
2036	1	1	1	0	1
2037	1	1	1	0	1
2038	1	1	1	0	1
2039	1	1	1	0	0
2040	1	1	1	0	0
2041	1	1	1	0	0
2042	1	1	1	0	0
2043	1	1	1	0	0
2044	1	1	1	0	0
2045	1	1	1	0	0
2046	1	1	1	0	0
2047	1	1	1	0	0
2048	1	1	1	0	0
2049	1	1	1	0	0
2050	1	1	1	0	0
2051	1	1	1	0	0
2052	1	1	1	0	0
2053	1	1	1	0	0
2054	1	1	1	0	0
2055	1	1	1	0	0
2056	1	1	1	0	0
2057	1	1	1	0	0
2058	1	1	1	0	0
2059	1	1	1	0	0
2060	1	1	1	0	0
2061	1	1	1	0	0
2062	1	1	1	0	0
2063	1	1	1	0	0
2064	1	1	1	0	0
2065	1	1	1	0	0
2066	1	1	1	0	0
2067	1	1	1	0	0
2068	1	1	1	0	0
2069	1	1	1	0	0
2070	1	1	1	0	0
2071	1	1	1	0	0
2072	1	1	1	0	0
2073	1	1	1	0	0
2074	1	1	1	0	0
2075	1	1	1	0	0
2076	1	1	1	0	0
2077	1	1	1	0	0
2078	1	1	1	0	0
2079	1	1	1	0	0
2080	1	1	1	0	0
2081	1	1	1	0	0
2082	1	1	1	0	0
NOM	54	61	33	0	26
NPV	5	6	5	0	4

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(1) YEAR	(2) INCREASED SUPPLY COSTS $(000)	(3) UTILITY PROGRAM COSTS $(000)	(4) PARTICIPANT PROGRAM COSTS $(000)	(5) OTHER COSTS $(000)	(6) TOTAL COSTS $(000)	(7) AVOIDED GEN UNIT BENEFITS $(000)	(8) AVOIDED T&D BENEFITS $(000)	(9) PROGRAM FUEL SAVINGS $(000)	(10) OTHER BENEFITS $(000)	(11) TOTAL BENEFITS $(000)	(12) NET BENEFITS $(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS $(000)
2023	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
2025	0	918	2,641	0	3,559	0	0	224	0	224	(3,335)	(2,854)
2026	0	950	2,734	0	3,684	0	408	767	0	1,174	(2,510)	(4,841)
2027	0	984	2,830	0	3,814	0	808	1,270	0	2,079	(1,735)	(6,111)
2028	0	1,018	2,930	0	3,948	0	1,215	1,820	0	3,035	(914)	(6,731)
2029	0	1,054	3,033	0	4,087	0	1,627	2,392	0	4,020	(68)	(6,773)
2030	0	1,091	3,140	0	4,232	0	2,047	2,635	0	4,682	451	(6,512)
2031	0	1,130	3,251	0	4,381	0	2,475	2,786	0	5,262	881	(6,039)
2032	0	1,170	3,365	0	4,535	0	2,911	3,065	0	5,976	1,441	(5,324)
2033	0	1,211	3,484	0	4,695	0	3,356	4,035	1	7,392	2,697	(4,085)
2034	0	1,254	3,607	0	4,860	0	3,811	4,855	1	8,667	3,806	(2,469)
2035	0	0	0	0	0	5,671	4,257	5,680	1	15,609	15,609	3,664
2036	0	0	0	0	0	5,474	4,149	5,865	1	15,488	15,488	9,294
2037	0	0	0	0	0	5,280	4,042	6,197	1	15,520	15,520	14,513
2038	0	0	0	0	0	5,040	3,938	6,780	1	15,757	15,757	19,415
2039	0	0	0	0	0	5,026	3,836	7,015	0	15,878	15,878	23,984
2040	0	0	0	0	0	4,753	3,736	7,516	0	16,005	16,005	28,245
2041	0	0	0	0	0	4,532	3,637	7,941	0	16,111	16,111	32,213
2042	0	0	0	0	0	4,374	3,541	8,147	0	16,063	16,063	35,873
2043	0	1,432	4,119	0	5,550	4,250	3,449	8,475	0	16,174	10,624	38,112
2044	0	1,482	4,264	0	5,746	3,893	3,360	9,122	0	16,376	10,630	40,185
2045	0	1,534	4,414	0	5,948	3,821	3,275	9,695	0	16,791	10,843	42,141
2046	0	1,588	4,570	0	6,158	3,560	3,194	10,032	0	16,786	10,628	43,915
2047	0	1,644	4,731	0	6,375	3,344	3,117	10,533	0	16,995	10,620	45,554
2048	0	1,702	4,897	0	6,600	3,237	3,046	11,028	0	17,310	10,711	47,084
2049	0	1,762	5,070	0	6,832	2,827	2,979	11,786	0	17,593	10,760	48,506
2050	0	1,824	5,249	0	7,073	2,309	2,918	12,807	0	18,035	10,961	49,845
2051	0	1,889	5,434	0	7,323	2,374	2,861	12,708	0	17,943	10,620	51,046
2052	0	1,955	5,625	0	7,581	2,198	2,806	12,777	0	17,782	10,201	52,113
2053	0	0	0	0	0	1,864	2,752	12,837	0	17,454	17,454	53,802
2054	0	0	0	0	0	1,857	2,700	12,899	0	17,456	17,456	55,365
2055	0	0	0	0	0	1,545	2,649	12,792	0	16,987	16,987	56,772
2056	0	0	0	0	0	1,520	2,599	12,810	0	16,930	16,930	58,069
2057	0	0	0	0	0	1,442	2,550	12,918	0	16,910	16,910	59,268
2058	0	0	0	0	0	1,372	2,501	12,717	0	16,590	16,590	60,355
2059	0	0	0	0	0	1,330	2,452	12,803	0	16,586	16,586	61,362
2060	0	0	0	0	0	1,229	2,404	12,902	0	16,535	16,535	62,290
2061	0	2,233	6,424	0	8,656	1,266	2,356	12,661	0	16,284	7,627	62,685
2062	0	2,311	6,650	0	8,961	1,495	2,310	12,624	0	16,429	7,468	63,044
2063	0	2,393	6,884	0	9,277	1,288	2,264	12,831	0	16,384	7,106	63,360
2064	0	2,477	7,127	0	9,604	894	2,220	12,758	0	15,873	6,268	63,618
2065	0	2,565	7,378	0	9,943	1,213	2,178	12,583	0	15,974	6,032	63,847
2066	0	2,655	7,638	0	10,293	1,056	2,136	12,515	0	15,708	5,415	64,037
2067	0	2,749	7,908	0	10,656	1,209	2,097	12,562	0	15,868	5,212	64,207
2068	0	2,845	8,186	0	11,032	1,079	2,059	12,643	0	15,781	4,749	64,350
2069	0	2,946	8,475	0	11,421	1,057	2,022	12,643	0	15,723	4,302	64,470
2070	0	3,050	8,774	0	11,823	805	1,943	12,643	0	15,392	3,568	64,562
2071	0	0	0	0	0	726	1,861	12,643	0	15,230	15,230	64,925
2072	0	0	0	0	0	648	1,780	12,643	0	15,072	15,072	65,257
2073	0	0	0	0	0	572	1,702	12,643	0	14,917	14,917	65,561
2074	0	0	0	0	0	525	1,627	12,643	0	14,795	14,795	65,840
2075	0	0	0	0	0	479	1,553	12,643	0	14,676	14,676	66,097
2076	0	0	0	0	0	451	1,468	12,643	0	14,562	14,562	66,332
2077	0	0	0	0	0	423	1,385	12,643	0	14,451	14,451	66,548
2078	0	0	0	0	0	397	1,305	12,643	0	14,345	14,345	66,746
2079	0	3,482	10,019	0	13,501	372	1,228	12,643	0	14,243	742	66,755
2080	0	3,605	10,372	0	13,977	348	1,220	12,643	0	14,211	234	66,758
2081	0	3,732	10,737	0	14,469	326	1,223	12,643	0	14,192	(278)	66,755
2082	0	3,864	11,116	0	14,979	304	1,228	12,643	0	14,175	(805)	66,747
NOM	0	68,500	197,075	0	265,575	101,055.98	140,568	568,803	26	810,453	544,878	
NPV	0	10,150	29,200	0	39,350	18,923	26,901	60,269	4	106,096.89	66,747	

Discount Rate: 8.10 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.70

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS $(000)	(3) TAX CREDITS $(000)	(4) UTILITY REBATES $(000)	(5) OTHER BENEFITS $(000)	(6) TOTAL BENEFITS $(000)	(7) CUSTOMER EQUIPMENT COSTS $(000)	(8) CUSTOMER O&M COSTS $(000)	(9) OTHER COSTS $(000)	(10) TOTAL COSTS $(000)	(11) NET BENEFITS $(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS $(000)
2023	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0
2025	1,043	0	4,000	0	5,043	2,641	0	0	2,641	2,402	2,056
2026	3,399	0	4,040	0	7,439	2,734	0	0	2,734	4,705	5,781
2027	5,912	0	4,080	0	9,993	2,830	0	0	2,830	7,163	11,027
2028	8,411	0	4,121	0	12,532	2,930	0	0	2,930	9,602	17,534
2029	10,962	0	4,163	0	15,124	3,033	0	0	3,033	12,091	25,113
2030	14,135	0	4,204	0	18,339	3,140	0	0	3,140	15,199	33,927
2031	17,206	0	4,246	0	21,453	3,251	0	0	3,251	18,202	43,691
2032	20,472	0	4,289	0	24,761	3,365	0	0	3,365	21,396	54,309
2033	23,735	0	4,332	0	28,067	3,484	0	0	3,484	24,583	65,596
2034	27,171	0	4,375	0	31,546	3,607	0	0	3,607	27,939	77,462
2035	29,377	0	0	0	29,377	0	0	0	0	29,377	89,005
2036	30,024	0	0	0	30,024	0	0	0	0	30,024	99,918
2037	30,688	0	0	0	30,688	0	0	0	0	30,688	110,238
2038	31,460	0	0	0	31,460	0	0	0	0	31,460	120,024
2039	32,275	0	0	0	32,275	0	0	0	0	32,275	129,313
2040	32,944	0	0	0	32,944	0	0	0	0	32,944	138,083
2041	33,631	0	0	0	33,631	0	0	0	0	33,631	146,366
2042	34,305	0	0	0	34,305	0	0	0	0	34,305	154,183
2043	34,973	0	4,000	0	38,974	4,119	0	0	4,119	34,855	161,529
2044	35,825	0	4,040	0	39,865	4,264	0	0	4,264	35,601	168,472
2045	36,764	0	4,080	0	40,844	4,414	0	0	4,414	36,430	175,043
2046	37,559	0	4,121	0	41,680	4,570	0	0	4,570	37,111	181,237
2047	38,342	0	4,163	0	42,504	4,731	0	0	4,731	37,774	187,068
2048	39,038	0	4,204	0	43,242	4,897	0	0	4,897	38,345	192,545
2049	39,810	0	4,246	0	44,056	5,070	0	0	5,070	38,986	197,696
2050	40,550	0	4,289	0	44,839	5,249	0	0	5,249	39,590	202,535
2051	41,130	0	4,332	0	45,462	5,434	0	0	5,434	40,028	207,061
2052	41,999	0	4,375	0	46,374	5,625	0	0	5,625	40,748	211,324
2053	42,658	0	0	0	42,658	0	0	0	0	42,658	215,452
2054	43,325	0	0	0	43,325	0	0	0	0	43,325	219,331
2055	44,000	0	0	0	44,000	0	0	0	0	44,000	222,975
2056	44,683	0	0	0	44,683	0	0	0	0	44,683	226,398
2057	45,374	0	0	0	45,374	0	0	0	0	45,374	229,614
2058	46,074	0	0	0	46,074	0	0	0	0	46,074	232,635
2059	46,783	0	0	0	46,783	0	0	0	0	46,783	235,473
2060	47,500	0	0	0	47,500	0	0	0	0	47,500	238,139
2061	48,226	0	4,000	0	52,226	6,424	0	0	6,424	45,803	240,517
2062	48,961	0	4,040	0	53,001	6,650	0	0	6,650	46,351	242,743
2063	49,900	0	4,080	0	53,981	6,884	0	0	6,884	47,096	244,835
2064	50,851	0	4,121	0	54,972	7,127	0	0	7,127	47,845	246,802
2065	51,801	0	4,163	0	55,963	7,378	0	0	7,378	48,585	248,649
2066	52,745	0	4,204	0	56,949	7,638	0	0	7,638	49,311	250,384
2067	53,692	0	4,246	0	57,938	7,908	0	0	7,908	50,031	252,012
2068	54,647	0	4,289	0	58,936	8,186	0	0	8,186	50,750	253,540
2069	55,616	0	4,332	0	59,948	8,475	0	0	8,475	51,473	254,973
2070	56,595	0	4,375	0	60,970	8,774	0	0	8,774	52,196	256,318
2071	57,585	0	0	0	57,585	0	0	0	0	57,585	257,691
2072	58,603	0	0	0	58,603	0	0	0	0	58,603	258,983
2073	59,629	0	0	0	59,629	0	0	0	0	59,629	260,199
2074	60,679	0	0	0	60,679	0	0	0	0	60,679	261,344
2075	61,753	0	0	0	61,753	0	0	0	0	61,753	262,422
2076	62,853	0	0	0	62,853	0	0	0	0	62,853	263,437
2077	63,980	0	0	0	63,980	0	0	0	0	63,980	264,393
2078	65,136	0	0	0	65,136	0	0	0	0	65,136	265,293
2079	66,322	0	4,000	0	70,322	10,019	0	0	10,019	60,303	266,064
2080	67,539	0	4,040	0	71,579	10,372	0	0	10,372	61,208	266,788
2081	68,790	0	4,080	0	72,870	10,737	0	0	10,737	62,133	267,468
2082	70,076	0	4,121	0	74,197	11,116	0	0	11,116	63,082	268,107
NOM	2,419,518	0	141,792	0	2,561,309	197,075	0	0	197,075	2,364,234	
NPV	263,529	0	33,778	0	297,307	29,200	0	0	29,200	268,107	

In Service of Gen Unit:	2035	
Discount Rate :	8.10	%
Benefit/Cost Ratio (Col(6) / Col(10))	**10.18**	

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: **2025 DSM Plan - Residential Air Conditioning**

(1) YEAR	(2) INCREASED SUPPLY COSTS $(000)	(3) UTILITY PROGRAM COSTS $(000)	(4) INCENTIVES $(000)	(5) REVENUE LOSSES $(000)	(6) SELLBACK/ OTHER COSTS $(000)	(7) TOTAL COSTS $(000)	(8) AVOIDED GEN UNIT & FUEL BENEFITS $(000)	(9) AVOIDED T&D BENEFITS $(000)	(10) REVENUE GAINS $(000)	(11) OTHER BENEFITS $(000)	(12) TOTAL BENEFITS $(000)	(13) NET BENEFITS $(000)	(14) CUMULATIVE DISCOUNTED NET BENEFITS $(000)
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	918	4,000	792	0	5,710	224	0	0	0	224	(5,487)	(4,695)
2026	0	950	4,040	2,583	0	7,574	767	408	0	0	1,174	(6,399)	(9,762)
2027	0	984	4,080	4,493	0	9,558	1,270	808	0	0	2,079	(7,479)	(15,240)
2028	0	1,018	4,121	6,392	0	11,532	1,820	1,215	0	0	3,035	(8,497)	(20,997)
2029	0	1,054	4,163	8,331	0	13,548	2,392	1,627	0	0	4,020	(9,528)	(26,970)
2030	0	1,091	4,204	10,743	0	16,038	2,635	2,047	0	0	4,682	(11,356)	(33,555)
2031	0	1,130	4,246	13,077	0	18,453	2,786	2,475	0	0	5,262	(13,191)	(40,631)
2032	0	1,170	4,289	15,559	0	21,017	3,065	2,911	0	0	5,976	(15,041)	(48,096)
2033	0	1,211	4,332	18,039	0	23,581	4,035	3,356	0	1	7,392	(16,189)	(55,529)
2034	0	1,254	4,375	20,650	0	26,278	4,855	3,811	0	1	8,667	(17,611)	(63,009)
2035	0	0	0	22,327	0	22,327	11,351	4,257	0	1	15,609	(6,718)	(65,648)
2036	0	0	0	22,818	0	22,818	11,339	4,149	0	1	15,488	(7,331)	(68,313)
2037	0	0	0	23,323	0	23,323	11,478	4,042	0	1	15,520	(7,803)	(70,937)
2038	0	0	0	23,910	0	23,910	11,819	3,938	0	1	15,757	(8,152)	(73,473)
2039	0	0	0	24,529	0	24,529	12,041	3,836	0	0	15,878	(8,651)	(75,962)
2040	0	0	0	25,038	0	25,038	12,269	3,736	0	0	16,005	(9,033)	(78,367)
2041	0	0	0	25,559	0	25,559	12,474	3,637	0	0	16,111	(9,448)	(80,694)
2042	0	0	0	26,071	0	26,071	12,521	3,541	0	0	16,063	(10,009)	(82,975)
2043	0	1,432	4,000	26,580	0	32,011	12,724	3,449	0	0	16,174	(15,838)	(86,313)
2044	0	1,482	4,040	27,227	0	32,749	13,015	3,360	0	0	16,376	(16,374)	(89,506)
2045	0	1,534	4,080	27,941	0	33,555	13,516	3,275	0	0	16,791	(16,764)	(92,530)
2046	0	1,588	4,121	28,545	0	34,254	13,591	3,194	0	0	16,786	(17,469)	(95,445)
2047	0	1,644	4,163	29,140	0	34,947	13,877	3,117	0	0	16,995	(17,952)	(98,217)
2048	0	1,702	4,204	29,669	0	35,576	14,264	3,046	0	0	17,310	(18,265)	(100,825)
2049	0	1,762	4,246	30,256	0	36,264	14,613	2,979	0	0	17,593	(18,671)	(103,292)
2050	0	1,824	4,289	30,818	0	36,931	15,116	2,918	0	0	18,035	(18,897)	(105,602)
2051	0	1,889	4,332	31,259	0	37,479	15,081	2,861	0	0	17,943	(19,537)	(107,811)
2052	0	1,955	4,375	31,919	0	38,249	14,975	2,806	0	0	17,782	(20,468)	(109,952)
2053	0	0	0	32,420	0	32,420	14,701	2,752	0	0	17,454	(14,966)	(111,401)
2054	0	0	0	32,927	0	32,927	14,756	2,700	0	0	17,456	(15,471)	(112,786)
2055	0	0	0	33,440	0	33,440	14,337	2,649	0	0	16,987	(16,453)	(114,148)
2056	0	0	0	33,959	0	33,959	14,331	2,599	0	0	16,930	(17,029)	(115,453)
2057	0	0	0	34,484	0	34,484	14,360	2,550	0	0	16,910	(17,574)	(116,699)
2058	0	0	0	35,016	0	35,016	14,088	2,501	0	0	16,590	(18,427)	(117,907)
2059	0	0	0	35,555	0	35,555	14,133	2,452	0	0	16,586	(18,969)	(119,058)
2060	0	0	0	36,100	0	36,100	14,131	2,404	0	0	16,535	(19,565)	(120,156)
2061	0	2,233	4,000	36,652	0	42,885	13,927	2,356	0	0	16,284	(26,601)	(121,537)
2062	0	2,311	4,040	37,211	0	43,562	14,119	2,310	0	0	16,429	(27,133)	(122,840)
2063	0	2,393	4,080	37,924	0	44,398	14,119	2,264	0	0	16,384	(28,014)	(124,084)
2064	0	2,477	4,121	38,647	0	45,245	13,652	2,220	0	0	15,873	(29,372)	(125,292)
2065	0	2,565	4,163	39,369	0	46,096	13,796	2,178	0	0	15,974	(30,121)	(126,437)
2066	0	2,655	4,204	40,086	0	46,945	13,571	2,136	0	0	15,708	(31,237)	(127,536)
2067	0	2,749	4,246	40,806	0	47,801	13,771	2,097	0	0	15,868	(31,933)	(128,575)
2068	0	2,845	4,289	41,532	0	48,666	13,722	2,059	0	0	15,781	(32,885)	(129,565)
2069	0	2,946	4,332	42,268	0	49,545	13,700	2,022	0	0	15,723	(33,823)	(130,507)
2070	0	3,050	4,375	43,012	0	50,437	13,448	1,943	0	0	15,392	(35,045)	(131,410)
2071	0	0	0	43,765	0	43,765	13,369	1,861	0	0	15,230	(28,535)	(132,090)
2072	0	0	0	44,538	0	44,538	13,291	1,780	0	0	15,072	(29,466)	(132,740)
2073	0	0	0	45,318	0	45,318	13,214	1,702	0	0	14,917	(30,401)	(133,360)
2074	0	0	0	46,116	0	46,116	13,168	1,627	0	0	14,795	(31,321)	(133,951)
2075	0	0	0	46,932	0	46,932	13,122	1,553	0	0	14,676	(32,257)	(134,514)
2076	0	0	0	47,768	0	47,768	13,093	1,468	0	0	14,562	(33,207)	(135,050)
2077	0	0	0	48,625	0	48,625	13,066	1,385	0	0	14,451	(34,174)	(135,561)
2078	0	0	0	49,503	0	49,503	13,040	1,305	0	0	14,345	(35,158)	(136,047)
2079	0	3,482	4,000	50,405	0	57,887	13,015	1,228	0	0	14,243	(43,644)	(136,605)
2080	0	3,605	4,040	51,330	0	58,975	12,991	1,220	0	0	14,211	(44,764)	(137,134)
2081	0	3,732	4,080	52,280	0	60,093	12,968	1,223	0	0	14,192	(45,901)	(137,636)
2082	0	3,864	4,121	53,258	0	61,243	12,947	1,228	0	0	14,175	(47,068)	(138,113)
NOM	0	68,500	141,792	1,838,833	0	2,049,125	669,858.59	140,568.14	0.00	26.26	810,453	(1,238,672)	
NPV	0	10,150	33,778	200,282	0	244,210	79,191	26,901	0	4	106,097	(138,113)	

Discount Rate : 8.10 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 0.43

QUESTION:
Please refer to FPL's petition, Attachment 2, Optional HVAC Services Agreement for the following questions.

a. Please refer to Section 20. In the event that a participant sells their home prior to satisfying the obligations of the service agreement, and opts to assign the remaining service agreement obligations to the purchaser, please describe the process that FPL intends to use to transfer the remaining service agreement obligations to the purchaser. As part of this response, please explain what would occur if for some reason FPL opts against allowing the purchaser to assume the remaining service agreement obligations, and describe the instances that the Utility may decide to do so.

b. Please provide an estimate of the costs that FPL would incur from the process described in part (a) of this question. As part of this response, please indicate if FPL would seek to recover these costs through the Energy Conservation Cost Recovery (ECCR) Clause.

c. Please indicate if FPL intends to provide a report to the Commission regarding any occurrences and any associated costs as a result of the process described in part (a) of this question. If so, please describe what FPL intends to include in these reports. If not, please explain why.

d. Please refer to Section 21. Please explain how FPL would seek to recover costs associated with payment delinquencies or other instances requiring FPL to enforce the terms of the service agreement, and identify any additional fees participants would be responsible for as a result. As part of this response, please indicate if FPL would recover any uncollected costs, including any uncollectible customer payments (bad debt) or return on capital investment, as well as any associated debt collection costs, from the general body of ratepayers through the ECCR Clause

RESPONSE:
a. In the event a participant sells their home prior to satisfying the obligations of the service agreement, FPL would facilitate an agreed upon assignment via an assignment and assumption agreement executed between the original customer (assignor), the purchaser (assignee) and FPL. If FPL did not approve of the assignment to the purchaser (primarily limited to meeting program qualifications), then customer would have the option to terminate early as outlined in Section 13 of the HVAC Services Agreement.

b. FPL would incur de minimis administrative costs executing the assignment and assumption agreement amongst parties. FPL would seek to recover these costs through ECCR as part of participant monthly service charges.

c. FPL does not intend to specifically report to the Commission occurrences of HVAC services agreement assignments and costs. FPL anticipates services agreement assignments to be an occasional occurrence in delivering the program and not a key metric of program performance.

d. FPL will utilize collection practices consistent with its other service offerings in order to enforce the terms of the service agreement. Practices include, but are not limited to, written correspondence and the possible use of outside third-party collection agencies should FPL's internal collection efforts fail. Further, FPL would pursue discontinuation of regular electric service to the participant to enforce the terms of the service agreement. Regarding additional fees, the Customer shall be liable to Company for any attorney's fees or other costs incurred in collection efforts associated with enforcing the terms of the service agreement. Charges for Services due and rendered which are unpaid as of the past due date are subject to a Late Payment Charge of the greater of $5.00 or 1.5% applied to any past due unpaid balance of all accounts. Lastly, FPL will make every effort to provide accurate program cost assumptions to include uncollectible customer payments (bad debt), which are factored in when calculating each participant's monthly payment over the duration of the program. FPL will perform a regular financial review of the HVAC on-bill option program to determine the accuracy of its revenue and cost assumptions to date and will adjust the program's pricing assumptions accordingly. Should there be an under-recovery of program costs based on these reviews, FPL will adjust pricing for new program participants to help ensure any under-recovered costs for the HVAC on-bill option program are recovered from program participants and not the general body of ratepayers. With all of these measures in place and FPL's ability to adjust pricing for future participants, FPL perceives there to be low risk of not being able to recover the costs of the HVAC on-bill option from participants over the life of the program. Should there remain any balance of under-recovered costs that are not able to be recovered from program participants, the balance would be passed on to the general body of ratepayers through the ECCR clause.

QUESTION:
Please refer to FPL's response to Staff's First Data Request, No. 7(c) for the following questions.

a. Please explain how FPL intends to ensure that all HVAC-On Bill Pilot program costs are recovered from program participants. As part of this response, please identify all provisions FPL will have in place to minimize the risks to the general body of ratepayers if the HVAC On-Bill Pilot program is approved.

b. Please detail why it is necessary for FPL to be allowed to use revised estimates to help ensure that the total program costs are recovered from program participants over the life of the program.

RESPONSE:
a. FPL will make every effort when calculating the revenue requirements to ensure all costs specific to the HVAC on-bill option will be paid, in their entirety, by the participating customers over the term of the program and not by the general body of ratepayers. HVAC unit pricing, including installation and return on capital investment, will be known upon execution of the HVAC service agreement. Each HVAC unit will include a parts warranty and a separately executed long-term labor warranty, the pricing of which will be known upon execution of the service agreement. The majority of break/fix incidents for HVAC units are covered by these warranties. As a result, FPL will know with a high degree of accuracy a significant portion of the variable costs tied directly to a particular HVAC agreement upon its execution. In addition, FPL will make every effort to provide accurate program fixed-cost assumptions, to include payroll for operational and support services employees dedicated to the HVAC on-bill option program, uncollectible customer payments (bad debt), as well as various macroeconomic factors such as inflation, when calculating each participant's monthly payment over the duration of the agreement. FPL will perform a regular financial review of the HVAC on-bill option program to determine the accuracy of its revenue and cost assumptions to date and will adjust the program's pricing assumptions accordingly. Should there be an under-recovery of program costs based on these reviews, FPL will adjust pricing for new program participants to help ensure any under-recovered costs for the HVAC on-bill option program are recovered from program participants and not the general body of ratepayers. FPL's intention is that all HVAC on-bill option program costs will be recovered through the ECCR clause.

b. Both the participation and cost projections used by FPL to determine participant pricing are based on FPL's best estimate at the time of filing. As with any program, there is an expectation that the actual number of participants, cost projections, and other program assumptions will to some degree differ from even the best estimates. FPL must consider such updated information and be allowed to adjust the future pricing for new participants to ensure the total program costs are recovered from the program's participants over the life of the program. FPL will continually monitor and refine the accuracy of the cost estimates as needed throughout the implementation and ongoing operation of the program.

QUESTION:
Please refer to FPL's response to Staff's First Data Request, No. 7(d). Please provide a revised version of the provided table, in Microsoft Excel format, that includes an itemized breakdown of the costs included in the "Capital Costs / Other" and "Operations & Maintenance" categories, and an itemized breakdown of the "Program Revenues" category identifying costs participants would be responsible for (i.e., HVAC unit cost, maintenance and repair costs, administrative costs, etc.).

RESPONSE:
See Attachment 1 for a revised table that includes an itemized breakdown. The Program Revenues line in the provided table is calculated by taking the levelized monthly payment amount multiplied by the number of assumed program participants for each period.

HVAC On Bill Total Program Costs:	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Capital Costs / Other:										
HVAC Equipment Costs	494,487	1,305,267	2,513,539	3,801,982	5,188,444	6,691,089	8,333,704	10,140,024	12,135,353	14,349,598
Capitalized Software Costs	258,798	239,755	220,277	202,428	185,743	169,542	154,280	3,888	(0)	(0)
Billing System	258,798	239,755	220,277	202,428	185,743	169,542	154,280	3,888	(0)	(0)
System Benefits	(11,172)	(29,792)	(57,723)	(88,446)	(122,261)	(159,427)	(200,317)	(245,304)	(294,796)	(349,242)
(A) Total Capital Costs / Other	**1,000,912**	**1,754,984**	**2,896,369**	**4,118,393**	**5,437,669**	**6,870,747**	**8,441,946**	**9,902,496**	**11,840,557**	**14,000,356**
Operations & Maintenance:										
Contractor Commission	9,000	24,300	47,709	73,974	103,459	136,516	173,611	215,240	261,954	314,371
Customer Acquisition Costs	1,200	3,250	6,402	9,956	13,965	18,481	23,575	29,318	35,795	43,099
Salaries/Wages	421,900	469,263	536,880	611,982	695,524	788,438	891,958	1,007,394	1,136,218	1,280,077
Information Technology	79,111	80,000	82,400	84,872	87,418	90,041	92,742	95,524	98,390	81,073
General & Administrative	130,146	175,649	244,291	323,954	416,265	522,911	646,033	787,977	951,419	1,159,662
(B) Total Operations & Maintenance	**641,357**	**752,461**	**917,682**	**1,104,737**	**1,316,632**	**1,556,386**	**1,827,919**	**2,135,454**	**2,483,775**	**2,878,282**
(C) Load Management Credit	**11,172**	**29,792**	**57,723**	**88,446**	**122,261**	**159,427**	**200,317**	**245,304**	**294,796**	**349,242**
(D) Program Revenues	**(561,914)**	**(1,498,437)**	**(2,903,221)**	**(4,448,484)**	**(6,149,210)**	**(8,018,510)**	**(10,075,115)**	**(12,337,754)**	**(14,827,033)**	**(17,565,426)**
(A+B+C+D) Net Cost	**1,091,527**	**1,038,801**	**968,553**	**863,092**	**727,351**	**568,050**	**395,068**	**(54,501)**	**(207,904)**	**(337,546)**

(Continued)	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**
Capital Costs / Other:										
HVAC Equipment Costs	13,032,529	11,655,863	10,196,604	8,764,870	7,352,061	5,948,958	4,530,281	3,081,091	1,597,339	47,581
Capitalized Software Costs	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Billing System	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
System Benefits	(338,070)	(319,450)	(291,519)	(260,796)	(226,981)	(189,815)	(148,925)	(103,938)	(54,446)	(0)
(A) Total Capital Costs / Other	**12,694,459**	**11,336,413**	**9,905,085**	**8,504,074**	**7,125,080**	**5,759,143**	**4,381,356**	**2,977,152**	**1,542,894**	**47,581**
Operations & Maintenance:										
Contractor Commission	305,371	290,071	266,662	240,397	210,911	177,855	140,759	99,131	52,417	-
Customer Acquisition Costs	41,899	39,849	36,697	33,143	29,134	24,617	19,524	13,780	7,303	-
Salaries/Wages	1,270,666	1,246,104	1,201,857	1,150,711	1,091,723	1,023,977	946,253	857,260	755,539	-
Information Technology	66,804	55,047	45,359	37,375	30,797	25,377	20,911	17,230	-	-
General & Administrative	1,007,229	998,817	963,675	916,296	855,320	779,280	686,190	573,821	453,773	-
(B) Total Operations & Maintenance	**2,691,969**	**2,629,888**	**2,514,250**	**2,377,922**	**2,217,885**	**2,031,106**	**1,813,638**	**1,561,223**	**1,269,032**	**-**
(C) Load Management Credit	**338,070**	**319,450**	**291,519**	**260,796**	**226,981**	**189,815**	**148,925**	**103,938**	**54,446**	**-**
(D) Program Revenues	**(17,003,512)**	**(16,066,989)**	**(14,662,205)**	**(13,116,942)**	**(11,416,216)**	**(9,546,916)**	**(7,490,311)**	**(5,227,672)**	**(2,738,393)**	**-**
(A+B+C+D) Net Cost	**(1,279,015)**	**(1,781,239)**	**(1,951,351)**	**(1,974,150)**	**(1,846,269)**	**(1,566,852)**	**(1,146,392)**	**(585,358)**	**127,978**	**47,581**

QUESTION:
Please refer to FPL's response to Staff's First Data Request, No. 10. Please identify any options that will be available to HVAC On-Bill Pilot program participants who no longer want to participate in the load control portion of the program, but are unable to pay the early termination fee. As part of this response, please indicate if participants could continue to finance the HVAC unit, and either no longer receive the monthly HVAC Services Credit, or refund the portion of the upfront HVAC Services Credit associated with the remainder of the service agreement term and if not, please explain why.

RESPONSE:
As explained in FPL's response to Staff's First Data Request No. 10, HVAC On-Bill is a new offering under FPL's On Call load control program. As such, participation in the load control portion of the program is a fundamental requirement for the program. FPL recognizes, however, that participating customers may desire, for a variety of reasons, to discontinue participation during the HVAC Services Agreement term. To accommodate these situations, FPL has included an early termination provision in the agreement. This allows a customer who no longer wants to participate in any aspect of the program a means of termination at any time during the term of the services agreement.