



Stephanie A. Cuello  
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April 8, 2025

**VIA ELECTRONIC FILING**

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

Re: Petition for a limited proceeding to approve first solar base rate adjustment;  
Docket No. 20250034-EI

Dear Mr. Teitzman:

Please find attached for electronic filing Duke Energy Florida, LLC's Response to Staff's First Data Request.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1428.

Sincerely,

*/s/ Stephanie A. Cuello*

Stephanie A. Cuello

SAC/clg  
Attachment

cc: Greg Davis and Zachary Bloom

**DUKE ENERGY FLORIDA, LLC'S (DEF), RESPONSE TO  
STAFF'S FIRST DATA REQUEST REGARDING PETITION FOR A LIMITED  
PROCEEDING TO APPROVE FIRST SOLAR BASE  
RATE ADJUSTMENT**

**Docket No. 20250034-EI**

1. Please refer to the Cumulative Present Value Revenue Requirement summaries presented in Exhibits BMHB-4 and BMHB-5. Provide the annual nominal value and net present value for each of the categories listed for the Base Case, the Change Case, and the difference between these values, with the following modifications:
  - a. If applicable, separate CO2 related costs from the other categories as a separate line item. If no CO2 related costs are included, please state confirm that.
  - b. Provide separate values for the incremental generation capital and incremental transmission capital. If possible, please provide the incremental generation capital by each new unit included in the analysis.
  - c. Provide a separate line item for leasing associated with the solar facilities.
  - d. If possible, separate the added solar categories (fixed O&M, generation capital, and transmission capital) by each generating unit.

**Response:**

Please see attachment: Docket 20250034-EI Staff DR\_01-Q01.xlsx.

Nominal Values are included under tab:

***1. Nominal\_RR.***

- a. No CO2 rates were included in this analysis.
- b. Incremental generation capital, incremental transmission capital and incremental generation capital by each new unit included in the analysis are included in the attachment under tabs:

***1b. Incr\_GenCapital***

***1b. Incr\_TransmCapital***

***1b. Incr\_GenCapUnit***

- c. Leasing associated with the solar facilities is included under the tab:

***1c. Solar\_Leasing.***

- d.* Solar categories (fixed O&M, generation capital, and transmission capital) by each generating unit are included under the tab:

***1d. Solar\_RR.***

2. Please refer to the Cumulative Present Value Revenue Requirement summaries presented in Exhibits BMHB-4 and BMHB-5. For each of the cost categories identified, please explain the assumptions used in the Utility's analysis.

**Response:**

In Exhibits 4 and 5, DEF has provided summaries of the impacts of the change case (including the proposed solar units) vs. a base case (without new solar units). These analyses are performed using the same methodology presented to the commission in numerous other proceedings, including the several SoBRA and CEC proceedings from 2017 to 2024.

DEF performed resource plan optimizations for both cases from years 2025 to 2050.

Due to forecasted load growth, solar output degradation, the expected life of stand-alone batteries (20 years) and the retirement of some of existing resources, DEF projects the continued addition of resources through year 2050. The optimization allowed Combustion Turbines and Stand-alone Batteries to be economically added during the planning period. The response to question 3 shows the reserve margin for both cases. The reserve margin is 20% in years 2034, 2042 and 2044. After year 2044 the reserve margin increases due to the steady addition of nuclear resources to reduce the projected carbon emissions to reach Net Zero in 2050. The same number of solar plus storage and nuclear resources were added in each case in the years 2036 and beyond. This methodology ensures that the study results focus on the impact of the solar additions and are not driven by uncertain and high-cost resource additions occurring later in the plan.

The solar projects proposed in this filing have a 35-year life and thus have retirement dates in 2060. DEF extended the study beyond the current planning period by extending the system operations costs based on the costs in 2049. The benefit of the solar resources in year 2050 is much higher than that in 2049 due to the addition of final resources to meet the Net Zero target. DEF's use of the extended 2049 results through year 2060 results in a more conservative assessment of the life of project benefits.

DEF's key assumptions in the evaluation of the value of the SoBRA units include the load and fuel forecasts, and the capital and operating costs associated with the solar and alternate fossil fuel and battery units. DEF used the fuel and load forecasts prepared in the fall of 2024, which support the 2025 Ten-Year Site Plan. These are shown in Exhibits BMHB-2 and BMHB-3. In all cases below, the cost and performance assumptions used in preparation of these analyses were developed in late 2024 in accordance with DEF's standard procedures for annual cost updates and are the same as those used in the 2025 TYSP. A description of the assumptions underlying each of the cost categories used in Exhibits 4 and 5 is given in the table below. Note that Items 1-6 refer to the costs of the overall system (i.e. all units other than the proposed solar

units) in the two cases while Items 7-11 show costs specifically associated with the proposed solar units.

Item	Category	Description	Assumptions
1	Fuel Costs	Fuel Costs associated with the generation of existing and new resources.	Utilizes the Fuel Forecast, capacities of existing and new resources, projected unit availability, forced outage rates, and heat rates.
2	Environmental Costs	SO2 and Nox cost. It also includes costs of pollution control reagents.	Allowance and reagent costs are based on Fall 2024 projections and consistent with the 2025 TYSP.
3	Variable Costs	Variable Operating and Maintenance costs, including start-up costs, and payments associated with energy purchases	Costs are based on 2024 Fall projections and consistent with the 2025 TYSP.
4	Inc. Fixed O&M Costs	Fixed Operating and Maintenance costs and capacity payments	Fixed O&M has been modeled only for new resources in each case. The costs for existing resources have no impact on the analysis since they are the same in both cases and produce no differential. The capacity payments for our PPAs as stated in the contracts is modeled as well.
5	Inc. Gas Reserv. Charges	Gas Reservation Charges associated with fossil units that burn natural gas	Gas Reservation (Fixed gas transportation) costs are based on Fall 2024 projections and consistent with the 2025 TYSP.
6	Inc. Gen and Transm Capital	Generation and Transmission Capital associated with new resource additions excluding the SoBra 1 – solar additions	Generation and Transmission Capital Costs are based on Fall 2024 projections and consistent with the 2025 TYSP.
7	Fixed O&M Add Solar	Fixed Operations and Maintenance Costs associated with solar additions	Cost assumptions for each of the proposed solar projects were prepared at the end of 2024 and used here and in the 2025 TYSP.

8	Gen Capital Add Solar	Generation Capital costs associated with SoBra 1 - solar additions	Capital costs associated with the four proposed solar projects.
9	Transm Capital Add Solar	Network upgrades and substation costs associated with SoBra 1 - solar additions	
10	Leasing Add Solar	Leasing costs associated with SoBra 1 - solar additions	Projected costs for site leases as applicable to the proposed solar projects.
11	PTC Add Solar	Production Tax Credits associated with the generation from SoBra 1 - solar additions	Production Tax Credits are modeled based on the expected solar unit output and are consistent with terms and values laid out in the 2022 Inflation Reduction Act.

3. For both the Base Case and the Change Case, provide the annual seasonal reserve margin analysis for the duration of the economic analysis. As part of your response, provide the total available firm generation, the seasonal net firm peak demand, and reserve margin (in MW and percent).

**Response:**

Please see attachment: Docket 20250034-EI Staff DR\_01-Q03.xlsx.

4. For both the Base Case and the Change Case, provide the annual list of unit additions, modifications, or retirements, including the associated capacity values (in MW) for the duration of the economic analysis.

**Response:**

Please see attachment: Docket 20250034-EI Staff DR\_01-Q04.xlsx.

5. Regarding the land use for each of the proposed project sites, please answer the following questions.
- Provide the acreage and percent of the project land site taken up by solar plant, remaining available for other utility uses, and unavailable for use. If land is unavailable for use, explain why.

**Response:**

For most solar projects that the utility sites, more land is put under option than is required to construct a 74.9MWac solar facility. Extra land is optioned because once due diligence is completed it is determined that not every acre of land is buildable. Some sites will have wetlands, floodplains, steep slopes or potential sink hole areas that need to be avoided. Therefore, the majority of DEF's lease agreements are set up to only lease the usable and most cost-effective acres required for the solar facility. The usable lease area is considered the area within the project fence line plus any required setbacks, buffers, stormwater management areas, access easements and generation tie line easements.

For Sundance, the lease option allows use of 649 acres; however, the solar facility will utilize approximately 400 acres plus another 20 acres to fulfill the required set back and buffering requirements. The rent paid during the lease term will be based on approximately 420 usable acres, which is 100% of what is needed for the solar facility.

For Rattler, the lease option allows for up to 800 acres. The solar facility will utilize about 490 acres plus another 120 acres to fulfill the required set back and buffering requirements along the west side of the project site as well as the easement area for the generation tie line. The rent paid during the lease term will be based on approximately 610 usable acres, which is 100% of what is needed for the solar facility.

For Half Moon, the lease agreement has a minimum take of 650 acres. The facility will utilize about 500 acres plus another 80 acres to fulfill the required set back and buffering requirement through the special User permit conditions. This leaves approximately 70 acres of unused land, which has been set aside to accommodate potential battery storage. Approximately 89% of the land will be utilized by the solar facility.

For Bailey Mill, the 2 lease options allow for up to 280 acres and 692 acres, totaling approximately 973 available acres. The solar facility will utilize about 450 acres plus another 60 acres for setbacks and vegetative buffers. The rent paid during the lease term will be for approximately 510 acres, which is 100% of what is needed to the solar facility.

- b. Provide a comparison of the lease duration to the estimated life of the plant. If the lease does not match the estimated plant life, please explain.

**Response:**

The life expectancy for solar assets is 35 years. All leases for these 4 projects have a lease term that equals or, in most cases, exceeds the estimated life of the plant.

The Sundance lease term is 30 years with three (3) 5-year optional renewals totaling 45 years from placed in service date. The option for renewal is at the discretion of the Lessee.

The Rattler lease term is 25 years with two (2) 5-year optional renewals totaling 35 years from placed in service date. The option for renewal is at the discretion of the Lessee.

The Half Moon lease term is 20 years with three (3) 10-year optional renewals totaling 50 years from placed in service date. The option for renewal is at the discretion of the Lessee.

The Bailey Mill lease term is 25 years with three (3) 5-year optional renewals totaling 40 years from placed in service date. The option for renewal is at the discretion of the Lessee.

- c. If any factors would cause the lease payment to change, such as the completion of the unit, terms allowing extension of the lease, or annual escalation, please identify those factors, what the new lease payments would be, and explain their inclusion.

**Response:**

For Sundance, the rent is based on a per usable acreage, where a usable acre is anything within the solar facility fence as well as any required setbacks or vegetative buffers outside of the fence. This lease has a 2% annual escalator through Year 30. Years 31 – 45 will be based on the annual CPI.

For Rattler, the rent is based on a per usable acreage, where a usable acre is anything within the solar facility fence, as well as any required setbacks or vegetative buffers outside of the fence. This lease has a 2.5% annual escalator through the term.

For Half Moon, the rent is based on a minimum take of 650 acres, which is slightly higher than the fenced area, setback and access road. This lease has a 2% annual escalator for years two (2) through thirty-four (34) and then a 5% in year thirty-five (35); by 2% years thirty-six (36) through thirty-nine (39); by 5% in year forty (40). After lease year forty (40), rent will be multiplied by any increase in the Consumer Price Index (CPI) from the second preceding calendar year-end to the most recent preceding calendar year-end.

For Bailey Mill, the rent is based on a per usable acreage, where a usable acre is anything within the solar facility fence, as well as any required setbacks or vegetative buffers outside of the fence. This lease has a 2.5% annual escalator.

6. Provide any anticipated delays to the in-service date for the proposed solar sites. If there are delays, please specify the reason for delay and time extension.

**Response:**

DEF does not currently expect any delays to the in-service dates for the solar facilities proposed in its filing.

Duke Energy Florida  
 Witness: Benjamin Borsch  
 Exhibit No: (BMHB-4)  
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CPVRR over the life of the solar units through 2060			
CPVRR \$M (2025\$)	Base Case	Change Case	Base Case - Change Case
Fuel Cost	\$ 18,484	\$ 18,156	\$ 328
Environmental Costs	\$ 56	\$ 55	\$ 1
Variable Costs	\$ 2,504	\$ 2,489	\$ 15
PTC	\$ (3,616)	\$ (3,616)	\$ 0
Inc Fixed O&M Cost	\$ 4,630	\$ 4,656	\$ (26)
Inc Gas Reserv Charges	\$ 5,533	\$ 5,419	\$ 113
Inc Gen and Transm Capital	\$ 16,282	\$ 15,971	\$ 312
	\$ 43,873	\$ 43,131	\$ 742
Fixed O&M Add Solar	\$ -	\$ 36	\$ (36)
Gen Capital Add Solar	\$ -	\$ 574	\$ (574)
Transm Capital Add Solar	\$ -	\$ 61	\$ (61)
	\$ -	\$ 671	\$ (671)
PTC Add Solar	\$ -	\$ (182)	\$ 182
Savings from Add Solar	\$ 43,873	\$ 43,620	\$ 253

**Discount Rate**                      **7.44%**

Benefit	\$ 924	
Cost	\$ 671	
Benefit to Cost Ratio	1.38	> 1.15

**Note:** Base Case has no new Duke owned stand alone solar after year 2024  
 Change Case adds 4 Solar Units between 2025 and early 2026



Duke Energy Florida  
Witness: Benjamin Borsch  
Exhibit No: (BMHB-5)  
Page 1 of 1

CPVRR through 2036			
CPVRR \$M (2025\$)	Base Case	Change Case	Base Case - Change Case
Fuel Cost	\$ 10,678	\$ 10,515	\$ 163
Environmental Costs	\$ 53	\$ 52	\$ 1
Variable Costs	\$ 1,096	\$ 1,090	\$ 6
PTC	\$ (534)	\$ (534)	\$ 0
Inc Fixed O&M Cost	\$ 291	\$ 275	\$ 16
Inc Gas Reserv Charges	\$ 3,139	\$ 3,125	\$ 15
Inc Gen and Transm Capital	\$ 1,755	\$ 1,582	\$ 173
	\$ 16,477	\$ 16,104	\$ 373
Fixed O&M Add Solar	\$ -	\$ 19	\$ (19)
Gen Capital Add Solar	\$ -	\$ 393	\$ (393)
Transm Capital Add Solar	\$ -	\$ 44	\$ (44)
	\$ -	\$ 455	\$ (455)
PTC Add Solar	\$ -	\$ (182)	\$ 182
Savings from Add Solar	\$ 16,477	\$ 16,378	\$ 99

**Discount Rate** 7.44%

**Note:** Base Case has no new Duke owned stand alone solar after year 2024  
Change Case adds 4 Solar Units between 2025 and early 2026

1. Please refer to the Cumulative Present Value Revenue Requirement summaries presented in Exhibits BMHB-4 and BMHB-5.

Q1

Provide the annual nominal value and net present value for each of the categories listed for the Base Case, the Change Case, and the difference between these values, with the following modifications:

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Base Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Fuel Costs	18,484	10,678	983	1,134	1,146	1,147	1,131	1,164	1,244	1,394	1,553	1,628	1,745	1,822	1,843	1,842	1,872	1,979	1,942	1,922	1,810	1,765	1,658	1,612	1,418	1,310	1,031	1,031
Environmental Costs	56	53	7	7	7	7	7	6	7	8	9	4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
Variable Costs	2,504	1,096	125	109	120	123	125	124	130	139	147	150	161	172	173	169	177	183	200	206	240	252	285	312	344	379	412	412
PTC	(3,616)	(534)	(77)	(76)	(76)	(76)	(81)	(81)	(80)	(75)	(40)	(13)	-	(34)	(109)	(188)	(271)	(349)	(435)	(526)	(620)	(720)	(819)	(864)	(883)	(904)	(921)	(921)
Inc Fixed O&M Cost	4,630	291	129	39	15	6	7	8	8	13	24	37	44	64	105	147	191	237	337	437	594	721	881	1,020	1,244	1,431	1,726	1,726
Inc Gas Reserv Charges	5,533	3,139	359	363	349	347	347	347	347	369	405	443	471	480	479	479	479	480	479	479	479	480	479	479	479	480	479	479
Inc Gen and Transm Capital	16,282	1,755	-	-	(48)	2	50	125	196	264	433	640	876	829	1,030	1,220	1,405	1,584	811	2,339	1,316	4,084	2,519	5,408	3,161	7,164	4,362	4,362
Fixed O&M Add Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gen Capital Add Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transm Capital Add Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leasing Add Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PTC Add Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	43,873	16,477	1,528	1,576	1,513	1,556	1,586	1,693	1,851	2,112	2,531	2,890	3,297	3,334	3,522	3,670	3,856	4,116	3,335	4,859	3,820	6,583	5,004	7,967	5,763	9,860	7,089	7,089

Change Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Fuel Costs	18,156	10,515	981	1,114	1,124	1,127	1,113	1,147	1,225	1,372	1,528	1,602	1,716	1,791	1,811	1,810	1,841	1,944	1,907	1,889	1,777	1,732	1,625	1,581	1,385	1,276	997	997
Environmental Costs	55	52	7	7	6	7	7	6	7	8	9	4	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
Variable Costs	2,489	1,090	124	108	117	122	124	124	129	140	148	150	160	169	171	167	176	181	199	205	238	250	283	310	342	378	410	410
PTC	(3,616)	(534)	(77)	(76)	(76)	(76)	(81)	(81)	(80)	(75)	(40)	(13)	-	(34)	(109)	(188)	(271)	(349)	(435)	(526)	(620)	(720)	(819)	(864)	(883)	(904)	(921)	(921)
Inc Fixed O&M Cost	4,656	275	129	39	15	3	3	4	5	10	20	33	44	67	107	150	194	240	342	445	602	729	889	1,028	1,253	1,443	1,740	1,740
Inc Gas Reserv Charges	5,419	3,125	359	363	349	347	347	347	347	369	405	443	459	460	459	459	459	460	459	459	459	460	459	459	459	460	459	459
Inc Gen and Transm Capital	15,971	1,582	-	-	(48)	27	25	101	173	242	412	621	700	779	980	1,172	1,357	1,538	727	2,321	1,298	4,065	2,501	5,391	3,144	7,157	4,355	4,355
Fixed O&M Add Solar	36	19	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4
Gen Capital Add Solar	546	379	14	61	57	53	51	48	46	45	44	43	42	41	40	40	41	40	39	37	36	35	34	33	31	30	29	28
Transm Capital Add Solar	61	44	0	7	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	3
Leasing Add Solar	27	14	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
PTC Add Solar	(182)	(182)	-	(12)	(25)	(27)	(27)	(27)	(28)	(29)	(28)	(29)	(30)	(15)														
Total	43,620	16,378	1,541	1,615	1,529	1,595	1,570	1,679	1,835	2,093	2,508	2,865	3,103	3,270	3,471	3,621	3,810	4,066	3,248	4,841	3,800	6,562	4,983	7,948	5,741	9,849	7,080	7,079

Base - Change \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Fuel Costs	328	163	2	20	22	20	18	17	18	21	25	26	29	31	32	32	31	35	35	33	33	33	33	31	33	34	34	34
Environmental Costs	1	1	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Variable Costs	15	6	0	1	3	0	1	0	1	(1)	(0)	(1)	1	3	2	2	2	2	2	1	1	2	2	2	2	1	2	2
PTC	0	0	0	0	0	(0)	0	(0)	0	(0)	(0)	(0)	-	(0)	0	0	0	0	0	(0)	(0)	0	0	(0)	0	0	(0)	(0)
Inc Fixed O&M Cost	(26)	16	-	-	-	3	4	4	4	4	4	4	(0)	(3)	(3)	(3)	(3)	(3)	(6)	(8)	(8)	(8)	(8)	(8)	(9)	(12)	(14)	(14)
Inc Gas Reserv Charges	113	15	-	-	-	-	-	-	-	-	-	-	12	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Inc Gen and Transm Capital	312	173	-	-	-	(25)	26	24	23	21	20	20	176	50	49	49	48	47	84	19	19	18	18	17	17	7	7	7
Fixed O&M Add Solar	(36)	(19)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(4)	(4)	(4)	(4)	(4)
Gen Capital Add Solar	(546)	(379)	(14)	(61)	(57)	(53)	(51)	(48)	(46)	(45)	(44)	(43)	(42)	(41)	(40)	(40)	(41)	(40)	(39)	(37)	(36)	(35)	(34)	(33)	(31)	(30)	(29)	(28)
Transm Capital Add Solar	(61)	(44)	(0)	(7)	(6)	(6)	(6)	(6)	(6)	(6)	(5)	(5)	(5)	(5)	(5)	(5)	(4)	(4)	(4)	(4)	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(3)
Leasing Add Solar	(27)	(14)	(0)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
PTC Add Solar	182	182	-	12	25	27	27	27	28	29	28	29	30	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	253	99	(13)	(39)	(16)	(39)	16	14	17	19	23	25	195	65	50	49	46	51	87	18	20	20	21	19	22	10	9	10

a. If applicable, separate CO2 related costs from the other categories as a separate line item. If no CO2 related costs are included, please state confirm that.

DEF assumed no CO2 costs.

1. Please refer to the Cumulative Present Value Revenue Requi  
Provide the annual nominal value and net present value for

Base Case \$M	CPVRR 2060	CPVRR 2036	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Fuel Costs	18,484	10,678	1,031	1,031	1,031	1,031	1,031	1,031	1,031	1,031	1,031	773
Environmental Costs	56	53	0	0	0	0	0	0	0	0	0	0
Variable Costs	2,504	1,096	412	412	412	412	412	412	412	412	412	309
PTC	(3,616)	(534)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(691)
Inc Fixed O&M Cost	4,630	291	1,726	1,726	1,726	1,726	1,726	1,726	1,726	1,726	1,726	1,294
Inc Gas Reserv Charges	5,533	3,139	479	479	479	479	479	479	479	479	479	359
Inc Gen and Transm Capital	16,282	1,755	4,362	4,362	4,362	4,362	4,362	4,362	4,362	4,362	4,362	2,908
Fixed O&M Add Solar	-	-	-	-	-	-	-	-	-	-	-	-
Gen Capital Add Solar	-	-	-	-	-	-	-	-	-	-	-	-
Transm Capital Add Solar	-	-	-	-	-	-	-	-	-	-	-	-
Leasing Add Solar	-	-	-	-	-	-	-	-	-	-	-	-
PTC Add Solar	-	-	-	-	-	-	-	-	-	-	-	-
Total	43,873	16,477	7,089	7,089	7,089	7,089	7,089	7,089	7,089	7,089	7,089	4,953

Change Case \$M	CPVRR 2060	CPVRR 2036	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Fuel Costs	18,156	10,515	997	997	997	997	997	997	997	997	997	748
Environmental Costs	55	52	0	0	0	0	0	0	0	0	0	0
Variable Costs	2,489	1,090	410	410	410	410	410	410	410	410	410	308
PTC	(3,616)	(534)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(921)	(691)
Inc Fixed O&M Cost	4,656	275	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,305
Inc Gas Reserv Charges	5,419	3,125	459	459	459	459	459	459	459	459	459	345
Inc Gen and Transm Capital	15,971	1,582	4,355	4,355	4,355	4,355	4,355	4,355	4,355	4,355	4,355	2,903
Fixed O&M Add Solar	36	19	4	4	4	4	4	4	5	5	5	4
Gen Capital Add Solar	546	379	27	26	25	24	23	22	21	21	20	13
Transm Capital Add Solar	61	44	3	3	3	3	2	2	2	2	2	2
Leasing Add Solar	27	14	3	3	3	3	3	3	3	3	4	3
PTC Add Solar	(182)	(182)										
Total	43,620	16,378	7,078	7,077	7,076	7,075	7,075	7,074	7,073	7,072	7,071	4,939

Base - Change \$M	CPVRR 2060	CPVRR 2036	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Fuel Costs	328	163	34	34	34	34	34	34	34	34	34	25
Environmental Costs	1	1	0	0	0	0	0	0	0	0	0	0
Variable Costs	15	6	2	2	2	2	2	2	2	2	2	1
PTC	0	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Inc Fixed O&M Cost	(26)	16	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(11)
Inc Gas Reserv Charges	113	15	20	20	20	20	20	20	20	20	20	15
Inc Gen and Transm Capital	312	173	7	7	7	7	7	7	7	7	7	5
Fixed O&M Add Solar	(36)	(19)	(4)	(4)	(4)	(4)	(4)	(4)	(5)	(5)	(5)	(4)
Gen Capital Add Solar	(546)	(379)	(27)	(26)	(25)	(24)	(23)	(22)	(21)	(21)	(20)	(13)
Transm Capital Add Solar	(61)	(44)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)
Leasing Add Solar	(27)	(14)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(4)	(3)
PTC Add Solar	182	182	-	-	-	-	-	-	-	-	-	-
Total	253	99	11	12	13	14	14	15	16	17	18	14

a. If applicable, separate CO2 related costs from the other ca  
DEF assumed no CO2 costs.

b. Provide separate values for the incremental generation capital and incremental transmission capital. If possible, please provide the incremental generation capital by each new unit included in the analysis.

Base Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
New Battery 2hr	103	76	-	-	(49)	26	24	23	22	20	19	19	18	17	16	15	14	14	13	-	-	-
New Battery 4hr	1,129	153	-	-	-	(27)	23	22	20	(56)	(39)	17	192	181	172	163	156	150	18	(51)	326	307
New CT	3,211	1,224	-	-	-	-	-	65	126	245	363	481	532	514	498	482	467	452	438	423	409	394
New Nuclear	1,503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(891)	521	(1,179)	1,438
New SPS	6,772	(17)	-	-	-	-	-	-	-	-	-	-	-	(37)	170	365	552	733	908	1,081	1,251	1,419
Total	12,718	1,436	-	-	(49)	(1)	47	109	167	209	344	517	742	674	855	1,026	1,190	1,349	485	1,974	806	3,559

Change Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
New Battery 2hr	103	76	-	-	(49)	26	24	23	22	20	19	19	18	17	16	15	14	14	13	-	-	-
New Battery 4hr	1,180	62	-	-	-	-	-	-	-	(75)	(57)	(1)	94	207	195	185	177	170	(6)	(11)	364	343
New CT	2,901	1,162	-	-	-	-	-	65	126	245	363	481	465	449	435	422	409	396	383	370	358	345
New Nuclear	1,503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(891)	521	(1,179)	1,438
New SPS	6,772	(17)	-	-	-	-	-	-	-	-	-	-	-	(37)	170	365	552	733	908	1,081	1,251	1,419
Total	12,458	1,283	-	-	(49)	26	24	87	147	190	325	499	576	635	816	987	1,152	1,312	407	1,961	793	3,546

Base - Change Case Inc Gen Cap \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
New Battery 2hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Battery 4hr	(51)	91	-	-	-	(27)	23	22	20	19	18	17	98	(26)	(23)	(22)	(20)	(19)	24	(40)	(38)	(36)
New CT	310	62	-	-	-	-	-	-	-	-	-	-	67	65	63	61	59	57	55	53	51	49
New Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New SPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	260	153	-	-	-	(27)	23	22	20	19	18	17	165	39	39	39	38	37	79	13	13	13

b. Provide separate values for the incremental generation capital and incremental generation income.

[illegible][illegible][illegible]

b. Provide separate values for the incremental generation capital and incremental transmission capital. If possible, please provide the incremental generation capital by each new unit included in the analysis.

Base Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
New Battery 2hr	6	4	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
New Battery 4hr	197	40	-	-	-	2	2	2	2	2	10	19	18	18	17	17	16	16	25	45	44	43	41
New CT	714	264	-	-	-	-	-	13	26	52	78	104	116	113	110	107	104	101	98	95	93	90	87
New Nuclear	1,597	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	59	184	180	308
New SPS	1,049	11	-	-	-	-	-	-	-	-	-	-	-	24	47	71	94	118	141	165	189	212	236
Total	3,564	319	-	-	1	3	3	16	29	55	89	123	135	155	175	195	215	235	326	365	510	525	673

Change Case \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
New Battery 2hr	6	4	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
New Battery 4hr	216	34	-	-	-	-	-	-	-	-	8	16	22	21	21	20	19	19	32	52	50	49	47
New CT	644	250	-	-	-	-	-	13	26	52	78	104	102	99	96	93	91	88	86	83	81	78	76
New Nuclear	1,597	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	59	184	180	308
New SPS	1,049	11	-	-	-	-	-	-	-	-	-	-	-	24	47	71	94	118	141	165	189	212	236
Total	3,512	299	-	-	1	1	1	13	26	53	87	121	124	144	164	185	205	226	320	359	505	520	668

Base - Change Case Inc Transm Cap \$M	CPVRR 2060	CPVRR 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
New Battery 2hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Battery 4hr	(18)	7	-	-	-	2	2	2	2	2	2	2	(4)	(4)	(4)	(3)	(3)	(3)	(7)	(6)	(6)	(6)	(6)
New CT	70	14	-	-	-	-	-	-	-	-	-	-	15	14	14	13	13	13	12	12	12	11	11
New Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New SPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	52	20	-	-	-	2	2	2	2	2	2	2	11	10	10	10	10	9	6	6	5	5	5

b. Provide separate values for the incremental generation capital and incremental generation income.

[illegible][illegible][illegible]

b. Provide separate values for the incremental generation capital and incremental transmission capital. If possible, please provide the incremental generation capital by each new unit included in the analysis.

Base Case \$M	Units	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049
2027 Battery	1	-	-	(49)	26	24	23	22	20	19	19	18	17	16	15	14	14	13								
2028 Battery	1	-	-	-	(27)	23	22	20	19	18	17	17	16	16	15	14	14	13	12	12	11	11	10	10		
2030 CT	1	-	-	-	-	-	65	60	56	53	51	49	47	46	45	44	43	42	41	40	39	38	37	35	34	33
2031 CT	1	-	-	-	-	-	-	65	61	57	54	51	49	48	47	46	45	43	42	41	40	39	38	37	36	35
2032 Battery	1	-	-	-	-	-	-	-	(75)	63	59	55	52	50	48	46	44	43	41	39	37	36	34	32	31	29
2032 CTs	2	-	-	-	-	-	-	-	127	124	119	115	112	108	104	101	98	94	91	87	84	80	77	74	71	69
2033 Battery	3	-	-	-	-	-	-	-	-	(120)	62	58	54	51	49	47	45	43	42	40	38	37	35	33	32	30
2033 CTs	2	-	-	-	-	-	-	-	-	130	126	121	117	113	110	106	103	99	96	92	89	85	82	78	75	72
2034 Battery	3	-	-	-	-	-	-	-	-	-	(121)	63	58	55	52	49	47	46	44	42	40	39	37	35	34	32
2034 CTs	2	-	-	-	-	-	-	-	-	-	132	128	123	119	115	112	108	104	101	97	94	90	86	83	79	76
2035 CTs	1	-	-	-	-	-	-	-	-	-	-	67	65	63	61	59	57	55	53	51	49	48	46	44	42	40
2036 SPS	8	-	-	-	-	-	-	-	-	-	-	-	(37)	208	193	183	175	168	163	159	155	152	148	144	141	137
2037 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	(38)	210	195	185	177	169	164	161	157	153	150	146	142
2038 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	(38)	212	197	187	179	171	166	163	159	155	151	147
2039 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(39)	214	199	189	180	173	168	164	160	157	153
2040 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(39)	217	202	191	182	175	170	166	162	158
2041 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	219	204	193	184	177	172	168	164
2041 Battery	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(127)	65	61	57	54	52	49	48	46
2041 Nuclear	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(891)	521	487	464	446	430	421	415	409
2042 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	221	206	195	186	178	173	169
2042 Battery	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(255)	132	122	115	109	104	99	96
2043 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	223	208	197	188	180	175
2043 Nuclear	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,666)	974	911	868	833	804	787
2044 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	225	209	199	189	182
2045 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	227	211	200	191
2045 Nuclear	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,766)	1,035	967	922	885
2046 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	228	213	202
2047 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)	230	215
2047 Nuclear	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(2,492)	1,460	1,365
2048 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)	232
2049 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)
2049 Nuclear	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,082)
Total		-	-	(49)	(1)	47	109	167	209	344	517	742	674	855	1,026	1,190	1,349	485	1,974	806	3,559	1,846	4,724	2,255	6,250	3,147



Change Case \$M	Units	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049
2027 Battery	1	-	-	(49)	26	24	23	22	20	19	19	18	17	16	15	14	14	13								
2030 CT	1	-	-	-	-	-	65	60	56	53	51	49	47	46	45	44	43	42	41	40	39	38	37	35	34	33
2031 CT	1	-	-	-	-	-	-	65	61	57	54	51	49	48	47	46	45	43	42	41	40	39	38	37	36	35
2032 Battery	1	-	-	-	-	-	-	-	(75)	63	59	55	52	50	48	46	44	43	41	39	37	36	34	32	31	29
2032 CTs	2	-	-	-	-	-	-	-	127	124	119	115	112	108	104	101	98	94	91	87	84	80	77	74	71	69
2033 Battery	3	-	-	-	-	-	-	-	-	(120)	62	58	54	51	49	47	45	43	42	40	38	37	35	33	32	30
2033 CTs	2	-	-	-	-	-	-	-	-	130	126	121	117	113	110	106	103	99	96	92	89	85	82	78	75	72
2034 Battery	3	-	-	-	-	-	-	-	-	-	(121)	63	58	55	52	49	47	46	44	42	40	39	37	35	34	32
2034 CTs	2	-	-	-	-	-	-	-	-	-	132	128	123	119	115	112	108	104	101	97	94	90	86	83	79	76
2035 Battery	2	-	-	-	-	-	-	-	-	-	-	(81)	42	39	37	35	33	32	31	29	28	27	26	25	24	23
2036 SPS	8	-	-	-	-	-	-	-	-	-	-	-	(37)	208	193	183	175	168	163	159	155	152	148	144	141	137
2037 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	(38)	210	195	185	177	169	164	161	157	153	150	146	142
2038 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	(38)	212	197	187	179	171	166	163	159	155	151	147
2039 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(39)	214	199	189	180	173	168	164	160	157	153
2040 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(39)	217	202	191	182	175	170	166	162	158
2041 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	219	204	193	184	177	172	168	164
2041 Battery	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(169)	87	81	76	72	69	66	64	61
2041 Nuclear	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(891)	521	487	464	446	430	421	415	409
2042 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	221	206	195	186	178	173	169
2042 Battery	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(255)	132	122	115	109	104	99	96
2043 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	223	208	197	188	180	175
2043 Nuclear	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,666)	974	911	868	833	804	787
2044 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	225	209	199	189	182
2045 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	227	211	200	191
2045 Nuclear	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,766)	1,035	967	922	885
2046 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(41)	228	213	202
2047 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)	230	215
2047 Nuclear	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(2,492)	1,460	1,365
2048 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)	232
2049 SPS	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(42)
2049 Nuclear	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,082)
Total		-	-	(49)	26	24	87	147	190	325	499	576	635	816	987	1,152	1,312	407	1,961	793	3,546	1,833	4,711	2,242	6,248	3,145

b. Provide separate values for

[illegible]



c. Provide a separate line item for leasing associated with the solar facilities.

7.44%

Lease expense \$K	CPVRR thru 2060	CPVRR thru 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Sundance	6,494	3,596	392	400	408	416	425	433	442	451	460	469	478	488	498	508	518	528	539	550
Half Moon	8,508	4,422	-	553	564	575	586	598	610	622	635	647	660	673	687	701	715	729	744	758
Bailey Mill	5,627	2,816	-	344	353	362	371	380	389	399	409	419	430	441	452	463	475	486	499	511
Rattler	6,766	3,387	-	414	424	435	446	457	468	480	492	504	517	530	543	557	571	585	600	615
Total	27,395	14,221	392	1,711	1,749	1,788	1,828	1,868	1,910	1,952	1,996	2,040	2,086	2,132	2,180	2,228	2,278	2,329	2,380	2,434

c. Provide a separate line item for leasing associated with the solar facilities.

7.44%

Lease expense \$K	CPVRR thru 2060	CPVRR thru 2036	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Sundance	6,494	3,596	561	572	583	595	607	619	631	644	657	670	683	697	711	725	740	754	770	-
Half Moon	8,508	4,422	774	789	805	821	837	854	871	889	906	925	943	962	981	1,001	1,021	1,041	1,062	1,083
Bailey Mill	5,627	2,816	524	537	550	564	578	593	607	623	638	654	671	687	704	722	740	759	778	797
Rattler	6,766	3,387	630	646	662	678	695	713	730	749	767	787	806	826	847	868	890	912	935	958
Total	27,395	14,221	2,488	2,543	2,600	2,658	2,718	2,778	2,840	2,904	2,969	3,035	3,103	3,173	3,244	3,316	3,391	3,467	3,544	2,839

d. If possible, separate the added solar categories (fixed O&M, generation capital, and transmission capital) by each generating unit.

7.44%

O&M - operating \$K	CPVRR thru 2060	CPVRR thru 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Sundance	9,836	5,332	671	571	584	598	617	628	643	659	676	698	710	728	746	806	787	800
Half Moon	9,008	4,466	-	641	540	552	564	582	603	621	640	660	685	702	723	745	811	793
Bailey Mill	8,350	4,276	-	626	525	537	549	566	575	589	603	617	637	648	663	679	739	715
Rattler	9,157	4,546	-	651	550	563	575	593	614	632	651	671	697	713	735	757	819	806
Total	36,351	18,620	671	2,489	2,200	2,249	2,305	2,369	2,434	2,500	2,569	2,646	2,730	2,791	2,868	2,988	3,157	3,114

Total Gen Cap RR wo Lease Expense \$K	CPVRR thru 2060	CPVRR thru 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Sundance	132,874	95,313	14,276	13,338	12,413	11,758	11,211	10,743	10,426	10,186	9,953	9,721	9,485	9,246	9,009	9,531	9,253	8,963
Half Moon	135,474	93,076	-	15,636	14,615	13,608	12,895	12,305	11,798	11,456	11,198	10,950	10,704	10,449	10,191	9,934	10,361	10,073
Bailey Mill	140,991	96,800	-	16,186	15,157	14,142	13,419	12,818	12,300	11,947	11,677	11,416	11,158	10,891	10,620	10,351	10,807	10,503
Rattler	136,835	93,881	-	15,756	14,734	13,727	13,012	12,418	11,908	11,562	11,300	11,046	10,796	10,535	10,272	10,009	10,562	10,258
Total	546,174	379,071	15,340	65,115	60,869	57,272	54,670	52,521	50,776	49,604	48,693	47,819	46,959	46,045	45,139	45,040	46,418	45,240

TotalTrams RR \$K	CPVRR thru 2060	CPVRR thru 2036	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Sundance	2,739	2,028	277	270	262	255	247	240	233	226	219	212	205	198	191	184	177	170
Half Moon	31,436	22,212	-	3,413	3,324	3,229	3,135	3,044	2,955	2,869	2,786	2,704	2,619	2,537	2,453	2,368	2,284	2,199
Bailey Mill	4,906	3,470	-	533	519	505	490	476	462	448	435	422	409	396	383	370	356	343
Rattler	22,404	15,875	-	2,440	2,377	2,309	2,242	2,176	2,112	2,050	1,990	1,931	1,869	1,810	1,748	1,686	1,624	1,562
Total	61,485	43,585	277	6,656	6,482	6,298	6,114	5,935	5,762	5,594	5,430	5,269	5,102	4,941	4,775	4,608	4,441	4,275

d. If possible, separate the added solar categories (fixed O&M, generation capital, and  
7.44%

O&M - operating \$K	CPVRR thru 2060	CPVRR thru 2036	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Sundance	9,836	5,332	818	836	855	880	896	917	939	962	991	1,010	1,035	1,061	1,088	1,120	1,143	1,171	1,201	1,231	1,262	-
Half Moon	9,008	4,466	809	830	850	871	897	913	935	957	979	1,007	1,025	1,048	1,116	1,095	1,122	1,140	1,162	1,185	1,208	1,237
Bailey Mill	8,350	4,276	725	741	757	773	795	808	827	847	868	894	911	934	1,001	979	1,007	1,025	1,048	1,072	1,096	1,126
Rattler	9,157	4,546	822	843	864	885	911	928	950	972	995	1,023	1,041	1,064	1,128	1,111	1,139	1,157	1,180	1,204	1,227	1,256
Total	36,351	18,620	3,174	3,250	3,326	3,409	3,498	3,565	3,650	3,738	3,833	3,934	4,013	4,108	4,333	4,304	4,411	4,494	4,592	4,692	4,794	3,619

Total Gen Cap RR wo Lease Expense \$K	CPVRR thru 2060	CPVRR thru 2036	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Sundance	132,874	95,313	8,674	8,368	8,068	7,792	7,572	7,284	7,067	6,802	6,600	6,347	6,111	5,893	5,682	5,493	5,283	5,077	4,886	5,069	3,940	-
Half Moon	135,474	93,076	9,766	9,459	9,136	8,820	8,530	8,280	7,970	7,722	7,434	7,208	6,924	6,655	6,401	6,156	5,943	5,635	5,388	5,152	5,313	4,147
Bailey Mill	140,991	96,800	10,180	9,858	9,518	9,184	8,878	8,619	8,295	8,040	7,740	7,506	7,212	6,934	6,673	6,419	6,198	5,936	5,680	5,434	5,506	4,297
Rattler	136,835	93,881	9,936	9,614	9,272	8,937	8,631	8,379	8,055	7,806	7,506	7,278	6,986	6,712	6,457	6,209	5,993	5,740	5,489	5,249	5,403	4,243
Total	546,174	379,071	44,112	42,983	41,808	40,686	39,708	38,787	37,755	36,886	35,954	35,177	34,215	33,337	32,649	31,755	31,071	30,198	29,427	29,063	28,499	19,145

TotalTrams RR \$K	CPVRR thru 2060	CPVRR thru 2036	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Sundance	2,739	2,028	163	156	149	142	136	131	127	123	119	115	111	107	104	100	97	93	89	76	73	71
Half Moon	31,436	22,212	2,115	2,031	1,944	1,857	1,773	1,705	1,642	1,595	1,541	1,495	1,443	1,394	1,348	1,302	1,255	1,209	1,163	1,117	951	905
Bailey Mill	4,906	3,470	330	316	302	289	275	265	255	248	239	232	224	216	209	202	195	188	181	174	148	141
Rattler	22,404	15,875	1,501	1,439	1,375	1,310	1,249	1,202	1,155	1,123	1,083	1,051	1,013	979	947	915	883	851	819	788	673	642
Total	61,485	43,585	4,108	3,942	3,769	3,597	3,433	3,304	3,179	3,089	2,982	2,892	2,791	2,697	2,608	2,519	2,430	2,341	2,252	2,155	1,845	1,759





Base Case - Capacity Additions(Add) / Modifications(Mod) / Retirements(Ret)								
PLANT NAME	UNIT NO.	UNIT TYPE	COM'L IN-SERVICE MO. / YR	EXPECTED RETIREMENT MO. / YR	GEN. MAX. NAMEPLATE KW	FIRM NET CAPABILITY		Add/Mod/Ret
						SUMMER MW	WINTER MW	
PL BARTOW	4	CC	04/2025				59	Mod
HINES	2	CC	04/2025			65	65	Mod
OSPREY CC	1	CC	06/2025			371	366	Mod
LAKE PLACID	FV1	FV	07/2025			11	1	Mod
OSPREY CC	1	CC	11/2025			0	40	Mod
TIGER BAY	1	CC	11/2025			22	22	Mod
CITRUS	PB1	CC	11/2025			22	22	Mod
CITRUS	PB2	CC	04/2026			22	44	Mod
PL BARTOW	4	CC	05/2026			38	63	Mod
HINES	3	CC	05/2026			65	65	Mod
BAYBORO	P1 - P4	CT		9/2026		(137)	(193)	Ret
HINES	4	CC	11/2026			22	33	Mod
POWERLINE		BA	03/2027		100,000	90	90	Add
DEBARY	P2 - P6	CT		06/2027		(227)	(292)	Ret
BARTOW	P1, P3	CT		06/2027		(82)	(101)	Ret
UNKNOWN		BA	06/2028		100,000	90	90	Add
UNKNOWN	P1	CT	06/2030		254,523	245	264	Add
UNKNOWN	P2	CT	06/2031		254,523	245	264	Add
UNKNOWN		BA	06/2032		225,000	203	203	Add
UNKNOWN	P3 - P4	CT	06/2032		458,600	449	465	Add
UNKNOWN		BA	06/2033		300,000	270	270	Add
UNKNOWN	P5 - P6	CT	06/2033		458,600	449	465	Add
INTERCESSION CITY	P1 - P6	CT		06/2034		(275)	(363)	Ret
BARTOW	P2, P4	CT		06/2034		(86)	(111)	Ret
SUWANNEE	P1, P3	CT		06/2034		(97)	(130)	Ret
SUWANNEE	P2	CT		06/2034		(48)	(64)	Ret
CRYSTAL RIVER	4, 5	ST		06/2034		(1422)	(1442)	Ret
UNKNOWN	P7 - P8	CT	06/2034		458,600	449	465	Add
UNKNOWN		BA	06/2034		300,000	225	225	Add
UNKNOWN	P9	CT	06/2035		229,300	224	233	Add
DEBARY	P7-P10	CT		06/2036	414,000	(297)	(369)	Ret
UNKNOWN		SPS FV	07/2036		599,200	165	25	Add
UNKNOWN		SPS BA	07/2036		400,000	280	280	Add
UNKNOWN		SPS FV	07/2037		599,200	129	25	Add
UNKNOWN		SPS BA	07/2037		400,000	275	275	Add
INTERCESSION CITY	P7-P10	CT		06/2038	414,000	(306)	(352)	Ret
UNKNOWN		SPS FV	07/2038		599,200	93	25	Add
UNKNOWN		SPS BA	07/2038		400,000	200	200	Add

Change Case - Capacity Additions (Add) / Modifications (Mod) / Retirements (Ret)								
PLANT NAME	UNIT NO.	UNIT TYPE	COM'L IN-SERVICE MO. / YR	EXPECTED RETIREMENT MO. / YR	GEN. MAX. NAMEPLATE KW	FIRM NET CAPABILITY		Add/Mod/Ret
						SUMMER MW	WINTER MW	
PL BARTOW	4	CC	04/2025				59	Mod
HINES	2	CC	04/2025			65	65	Mod
OSPREY CC	1	CC	06/2025			371	366	Mod
SUNDANCE	1	PV	07/2025		74,900	26	4	Add
LAKE PLACID	PV1	PV	07/2025			11	1	Mod
OSPREY CC	1	CC	11/2025			0	40	Mod
TIGER BAY	1	CC	11/2025			22	22	Mod
CITRUS	PB1	CC	11/2025			22	22	Mod
RATTLER	1	PV	01/2026		74,900	26	4	Add
HALF MOON	1	PV	01/2026		74,900	26	4	Add
CITRUS	PB2	CC	04/2026			22	44	Mod
BAILEY MILL	1	PV	05/2026		74,900	26	4	Add
PL BARTOW	4	CC	05/2026			38	63	Mod
HINES	3	CC	05/2026			65	65	Mod
BAYBORO	P1 - P4	CT		9/2026		(137)	(193)	Ret
HINES	4	CC	11/2026			22	33	Mod
POWERLINE		BA	03/2027		100,000	90	90	Add
DEBARY	P2 - P6	CT		06/2027		(227)	(292)	Ret
BARTOW	P1, P3	CT		06/2027		(82)	(101)	Ret
UNKNOWN	P1	CT	06/2030		254,523	245	264	Add
UNKNOWN	P2	CT	06/2031		254,523	245	264	Add
UNKNOWN		BA	06/2032		225,000	203	203	Add
UNKNOWN	P3 - P4	CT	06/2032		458,600	449	465	Add
UNKNOWN		BA	06/2033		300,000	270	270	Add
UNKNOWN	P5 - P6	CT	06/2033		458,600	449	465	Add
INTERCESSION CITY	P1 - P6	CT		06/2034		(275)	(363)	Ret
BARTOW	P2, P4	CT		06/2034		(86)	(111)	Ret
SUWANNEE	P1, P3	CT		06/2034		(97)	(130)	Ret
SUWANNEE	P2	CT		06/2034		(48)	(64)	Ret
CRYSTAL RIVER	4, 5	ST		06/2034		(1422)	(1442)	Ret
UNKNOWN	P7 - P8	CT	06/2034		458,600	449	465	Add
UNKNOWN		BA	06/2034		300,000	245	245	Add
UNKNOWN		BA	06/2035		200,000	140	140	Add
DEBARY	P7-P10	CT		06/2036	414,000	(297)	(369)	Ret
UNKNOWN		SPS PV	07/2036		599,200	165	25	Add
UNKNOWN		SPS BA	07/2036		400,000	280	280	Add
UNKNOWN		SPS PV	07/2037		599,200	129	25	Add
UNKNOWN		SPS BA	07/2037		400,000	255	255	Add
INTERCESSION CITY	P7-P10	CT		06/2038	414,000	(306)	(352)	Ret
UNKNOWN		SPS PV	07/2038		599,200	93	25	Add
UNKNOWN		SPS BA	07/2038		400,000	200	200	Add

Base Case - Capacity Additions (Add) / Modifications (Mod) / Retirements (Ret)								
PLANT NAME	UNIT NO.	UNIT TYPE	COM'L IN-SERVICE MO. / YR	EXPECTED RETIREMENT MO. / YR	GEN. MAX. NAMEPLATE KW	FIRM NET CAPABILITY		Add/Mod/Ret
						SUMMER MW	WINTER MW	
UNKNOWN		SPS PV	07/2039		599,200	57	25	Add
UNKNOWN		SPS BA	07/2039		400,000	200	200	Add
TIGER BAY	1	CC		06/2040	278,100	(221)	(252)	Ret
UNKNOWN		SPS PV	07/2040		599,200	57	25	Add
UNKNOWN		SPS BA	07/2040		400,000	200	200	Add
UNKNOWN		BA	06/2041		300,000	150	150	Add
UNKNOWN	1	NP	06/2041		300,000	300	300	Add
UNKNOWN		SPS PV	07/2041		599,200	57	25	Add
UNKNOWN		SPS BA	07/2041		400,000	200	200	Add
POWERLINE		BA		03/2042	100,000	(90)	(90)	Ret
ANCLOTE	1 - 2	ST		06/2042	1,112,400	(11)	(17)	Ret
UNKNOWN		BA	06/2042		600,000	300	300	Add
UNKNOWN		SPS PV	07/2042		599,200	57	25	Add
UNKNOWN		SPS BA	07/2042		400,000	200	200	Add
UNIVERSITY OF FLORIDA	P1	GT		11/2042	43,000	(44)	(50)	Ret
UNKNOWN	2 - 3	NP	06/2043		600,000	600	600	Add
UNKNOWN		SPS PV	07/2043		599,200	57	25	Add
UNKNOWN		SPS BA	07/2043		400,000	200	200	Add
HINES ENERGY COMPLEX	1	CC		06/2044	546,500	(501)	(521)	Ret
INTERCESSION CITY	P11	CT		06/2044	148,500	(140)	(161)	Ret
UNKNOWN		SPS PV	07/2044		599,200	57	25	Add
UNKNOWN		SPS BA	07/2044		400,000	200	200	Add
UNKNOWN	4 - 5	NP	06/2045		900,000	900	900	Add
INTERCESSION CITY	P12-P14	CT		06/2045	294,780	(219)	(270)	Ret
UNKNOWN		SPS PV	07/2045		599,200	57	25	Add
UNKNOWN		SPS BA	07/2045		400,000	200	200	Add
UNKNOWN		SPS PV	07/2046		599,200	57	25	Add
UNKNOWN		SPS BA	07/2046		400,000	200	200	Add
UNKNOWN	6 - 8	NP	06/2047		1,350,000	1350	1350	Add
UNKNOWN		SPS PV	07/2047		599,200	57	25	Add
UNKNOWN		SPS BA	07/2047		400,000	200	200	Add
HINES ENERGY COMPLEX	2	CC		06/2048	548,250	(597)	(614)	Ret
UNKNOWN		BA		06/2048	100,000	(90)	(90)	Ret
UNKNOWN		SPS PV	07/2048		599,200	57	25	Add
UNKNOWN		SPS BA	07/2048		400,000	200	200	Add
UNKNOWN	9 - 12	NP	06/2049		1,800,000	1800	1800	Add
OSPREY ENERGY CENTER POWER PLANT	1	CC		06/2049	644,300	(616)	(651)	Ret
UNKNOWN		SPS PV	07/2049		599,200	57	25	Add
UNKNOWN		SPS BA	07/2049		400,000	200	200	Add

Change Case - Capacity Additions (Add) / Modifications (Mod) / Retirements (Ret)								
PLANT NAME	UNIT NO.	UNIT TYPE	COM'L IN-SERVICE MO. / YR	EXPECTED RETIREMENT MO. / YR	GEN. MAX. NAMEPLATE KW	FIRM NET CAPABILITY		Add/Mod/Ret
						SUMMER MW	WINTER MW	
UNKNOWN		SPS FV	07/2039		599,200	57	25	Add
UNKNOWN		SPS BA	07/2039		400,000	200	200	Add
TIGER BAY	1	CC		06/2040	278,100	(221)	(252)	Ret
UNKNOWN		SPS FV	07/2040		599,200	57	25	Add
UNKNOWN		SPS BA	07/2040		400,000	200	200	Add
UNKNOWN		BA	06/2041		400,000	200	200	Add
UNKNOWN	1	NP	06/2041		300,000	300	300	Add
UNKNOWN		SPS FV	07/2041		599,200	57	25	Add
UNKNOWN		SPS BA	07/2041		400,000	200	200	Add
POWERLINE		BA		03/2042	100,000	(90)	(90)	Ret
ANCLOTE	1 - 2	ST		06/2042	1,112,400	(11)	(17)	Ret
UNKNOWN		BA	06/2042		600,000	300	300	Add
UNKNOWN		SPS FV	07/2042		599,200	57	25	Add
UNKNOWN		SPS BA	07/2042		400,000	200	200	Add
UNIVERSITY OF FLORIDA	P1	GT		11/2042	43,000	(44)	(50)	Ret
UNKNOWN	2 - 3	NP	06/2043		600,000	600	600	Add
UNKNOWN		SPS FV	07/2043		599,200	57	25	Add
UNKNOWN		SPS BA	07/2043		400,000	200	200	Add
HINES ENERGY COMPLEX	1	CC		06/2044	546,500	(501)	(521)	Ret
INTERCESSION CITY	P11	CT		06/2044	148,500	(140)	(161)	Ret
UNKNOWN		SPS FV	07/2044		599,200	57	25	Add
UNKNOWN		SPS BA	07/2044		400,000	200	200	Add
UNKNOWN	4 - 5	NP	06/2045		900,000	900	900	Add
INTERCESSION CITY	P12-P14	CT		06/2045	294,780	(219)	(270)	Ret
UNKNOWN		SPS FV	07/2045		599,200	57	25	Add
UNKNOWN		SPS BA	07/2045		400,000	200	200	Add
UNKNOWN		SPS FV	07/2046		599,200	57	25	Add
UNKNOWN		SPS BA	07/2046		400,000	200	200	Add
UNKNOWN	6 - 8	NP	06/2047		1,350,000	1350	1350	Add
UNKNOWN		SPS FV	07/2047		599,200	57	25	Add
UNKNOWN		SPS BA	07/2047		400,000	200	200	Add
HINES ENERGY COMPLEX	2	CC		06/2048	548,250	(597)	(614)	Ret
UNKNOWN		SPS FV	07/2048		599,200	57	25	Add
UNKNOWN		SPS BA	07/2048		400,000	200	200	Add
UNKNOWN	9 - 12	NP	06/2049		1,800,000	1800	1800	Add
OSPREY ENERGY CENTER POWER PLANT	1	CC		06/2049	644,300	(616)	(651)	Ret
UNKNOWN		SPS FV	07/2049		599,200	57	25	Add
UNKNOWN		SPS BA	07/2049		400,000	200	200	Add