FILED
February 6, 2020
INDIANA UTILITY
REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

PETITION OF DUKE ENERGY INDIANA, LLC PURSUANT TO IND. CODE §§ 8-1-2-42.7 AND 8-1-2-61, FOR (1) AUTHORITY TO MODIFY ITS RATES AND CHARGES FOR ELECTRIC UTILITY SERVICE THROUGH A STEP-IN OF NEW RATES AND CHARGES USING A FORECASTED TEST PERIOD; (2) APPROVAL OF NEW SCHEDULES OF RATES AND CHARGES, GENERAL RULES AND REGULATIONS, AND RIDERS; (3) APPROVAL OF A FEDERAL MANDATE CERTIFICATE UNDER IND. CODE § 8-1-8.4-1; (4) APPROVAL OF REVISED ELECTRIC DEPRECIATION RATES APPLICABLE TO ITS ELECTRIC PLANT IN SERVICE; (5) APPROVAL OF NECESSARY AND APPROPRIATE ACCOUNTING DEFERRAL RELIEF; AND (6) APPROVAL OF A REVENUE DECOUPLING MECHANISM FOR CERTAIN CUSTOMER CLASSES	)	CAUSE NO. 45253

INDUSTRIAL GROUP'S REVISED RESPONSE
<u>TO DUKE ENERGY INDIANA LLC'S JANUARY 21, 2020 SUBMISSION</u>

The Duke Industrial Group ("Industrial Group"), respectfully submits its Revised Response to Duke Energy Indiana LLC's ("Duke" or "Petitioner") January 21, 2020 Submission, in which it responded to the Indiana Utility Regulatory Commission's ("Commission") January 15, 2020 Docket Entry. In support thereof, the Industrial Group states as follows:

1. In Duke's response to Question 1 of the Commission's Docket Entry, Duke correctly noted that the average life group ("ALG") depreciation rates presented in Attachment BCA-8, and those updated by DEI to remove inventory, were both calculated based on the retirement dates that DEI proposed in its direct testimony for Gibson Units 4 and 5.

2. Duke noted that because the updated ALG rates presented in Attachment BCA-8 did not reflect Duke's rebuttal position that changed the retirement sequence of Gibson Units 4

and 5, "the depreciation expense amounts shown for the two methods are not a true apples-to-apples comparison." Duke Submission at 2.

3. In order to allow for an apples-to-apples comparison of the equal life group ("ELG") procedure and the ALG procedure, on January 28, 2020, the Industrial Group submitted ALG depreciation rates for forecasted 2020 production plant, with and without inventory, assuming the Gibson 4 and 5 retirement dates that DEI proposed in its rebuttal testimony.

4. Following additional discussions with Duke, the Industrial Group revised the weighted net salvage rates used for the Gibson units. On February 4, 2020, Duke has indicated it does not have an objection to the numbers as represented below or in the revised attachments. Counsel for Industrial Group circulated the revised table and attachments to the parties that day.

5. The table presented in DEI's response has been supplemented below with an additional row to show the impact of removing inventory on ALG depreciation rates with the DEI rebuttal Gibson 4 and 5 retirement dates.

Depreciation Expense for Forecasted 12/31/2020 Production Plant ($ in 000's)			
Method	With Inventory	Without Inventory	Difference
ELG (Rebuttal GB 4/5 Retirement Dates)	450,290	426,250	(24,040)
ALG (Direct GB 4/5 Retirement Dates)	424,793	405,102	(19,691)
ALG (Rebuttal GB 4/5 Retirement Dates)	420,731	398,277	(22,454)

6. Attachment 1 is a revised version of IG witness Andrews' Attachment BCA-8 using the ALG method updated for the retirement dates proposed in DEI's rebuttal testimony. The depreciation rates shown on this attachment were then used to calculate the annual depreciation expense for forecasted production plant-in-service as of the December 31, 2020 test period end-date shown in the table above, i.e., ALG (Rebuttal GB 4/5 Retirement Dates, With Inventory).

7. Attachment 2 is a revised version of IG witness Andrews' Attachment BCA-8 using the ALG method updated for the retirement dates proposed in DEI's rebuttal testimony but with end-of life inventory removed. The depreciation rates shown on this attachment were then used to calculate the annual depreciation expense for forecasted production plant-in-service as of the December 31, 2020 test period end-date shown in the table above i.e., ALG (Rebuttal GB 4/5 Retirement Dates, Without Inventory).

8. Based on the information from the table, under ALG depreciation rates developed under Attachment BCA-8 and using Duke's alternative proposed methodology for removing inventory, depreciation expense would be reduced by approximately $6.8 million if Duke's rebuttal position on the Gibson Unit retirements is approved.

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned counsel hereby certifies that a copy of the foregoing document was served via electronic mail, this 6th day of February, 2020:

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ATTACHMENT 1

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES INCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)
	STEAM PRODUCTION PLANT									
311.00	STRUCTURES AND IMPROVEMENTS									
	NOBLESVILLE	12-2018	100-R2.5 *	(5)	24,727.48	25,964	(0)	0	-	-
	WABASHRIVER COMMON 2-6	12-2018	100-R2.5 *	(5)	442,309.18	464,425	(0)	0	-	-
	GALLAGHER UNIT 2	12-2022	100-R2.5 *	(15)	19,632.90	16,933	5,645	1,415	7.21	3.99
	GALLAGHER UNIT 4	12-2022	100-R2.5 *	(15)	25,584.18	22,118	7,303	1,831	7.16	3.99
	GALLAGHER COMMON 1-4	12-2022	100-R2.5 *	(15)	76,036,089.99	58,880,859	28,560,645	7,160,450	9.42	3.99
	CAYUGA UNIT 1	05-2028	100-R2.5 *	(7)	3,651,013.62	785,967	3,120,618	332,477	9.11	9.39
	CAYUGA UNIT 2	05-2028	100-R2.5 *	(7)	1,306,400.78	356,418	1,041,431	110,973	8.49	9.38
	CAYUGA COMMON 1-2	05-2028	100-R2.5 *	(7)	126,376,301.65	49,734,386	85,488,257	9,124,675	7.22	9.37
	CAYUGA INLAND CONTAINER	05-2028	100-R2.5 *	(7)	756,820.44	567,283	242,515	26,094	3.45	9.29
	GIBSON UNIT 1	05-2038	100-R2.5 *	(10)	20,066,885.53	13,090,600	8,982,974	478,365	2.38	18.78
	GIBSON UNIT 2	05-2038	100-R2.5 *	(10)	24,684,353.13	16,351,030	10,801,759	576,297	2.33	18.74
	GIBSON UNIT 3	05-2034	100-R2.5 *	(10)	34,255,215.11	24,013,289	13,667,448	908,702	2.65	15.04
	GIBSON UNIT 4	05-2034	100-R2.5 *	(10)	26,613,348.62	18,397,952	10,876,731	722,243	2.71	15.06
	GIBSON UNIT 5	05-2026	100-R2.5 *	(10)	24,181,559.36	19,272,940	7,326,775	996,758	4.12	7.35
	GIBSON 3 FLUE GAS	05-2034	100-R2.5 *	(10)	391,692.00	237,478	193,383	12,725	3.25	15.20
	GIBSON 4 FLUE GAS	05-2034	100-R2.5 *	(10)	33,422,528.64	19,942,276	16,822,506	1,106,379	3.31	15.21
	GIBSON 5 FLUE GAS	05-2026	100-R2.5 *	(10)	2,533,467.06	2,045,389	741,425	100,900	3.98	7.35
	GIBSON COMMON 1-2	05-2038	100-R2.5 *	(10)	8,622,835.77	3,720,650	5,764,469	301,266	3.49	19.13
	GIBSON COMMON 1-3	05-2038	100-R2.5 *	(10)	84,100,898.84	27,448,281	65,062,708	3,393,445	4.03	19.17
	GIBSON COMMON 1-4	05-2038	100-R2.5 *	(10)	2,327,130.55	1,082,111	1,477,732	77,517	3.33	19.06
	GIBSON COMMON 1-5	05-2038	100-R2.5 *	(10)	192,005,834.14	38,614,342	172,592,076	8,976,394	4.68	19.23
	GIBSON COMMON 3-4	05-2034	100-R2.5 *	(10)	1,863,114.39	657,959	1,391,467	91,141	4.89	15.27
	GIBSON COMMON 4-5	05-2034	100-R2.5 *	(10)	10,285,200.29	5,975,262	5,338,458	351,167	3.41	15.20
	GIBSON COMMON 3-5	05-2034	100-R2.5 *	(10)	1,764,570.72	925,433	1,015,595	66,759	3.78	15.21
	TOTAL STRUCTURES AND IMPROVEMENTS				675,757,514.37	302,629,346	440,521,918	34,917,973	5.17	12.6
311.20	STRUCTURES AND IMPROVEMENTS - EDWARDSPORT IGCC									
	EDWARDSPORT IGCC	05-2045	100-R2.5 *	(15)	150,906,524.64	25,643,145	147,899,358	5,672,831	3.76	26.07
312.00	BOILER PLANT EQUIPMENT									
	NOBLESVILLE	12-2018	50-S0 *	(5)	24,727.48	25,964	0	0	-	
	GALLAGHER STATION	12-2022	50-S0 *	(15)	175,826.63	165,158	37,043	9,488	5.40	3.90
	GALLAGHER UNIT 2	12-2022	50-S0 *	(15)	57,045,022.12	48,394,366	17,207,409	4,376,740	7.67	3.93
	GALLAGHER UNIT 4	12-2022	50-S0 *	(15)	61,426,143.24	52,360,588	18,279,477	4,650,831	7.57	3.93
	GALLAGHER COMMON 1-2	12-2022	50-S0 *	(15)	8,220,357.56	7,538,636	1,914,775	490,916	5.97	3.90
	GALLAGHER COMMON 3-4	12-2022	50-S0 *	(15)	9,752,585.42	8,872,939	2,342,534	599,616	6.15	3.91
	GALLAGHER COMMON 1-4	12-2022	50-S0 *	(15)	18,682,517.31	17,202,911	4,281,984	1,097,648	5.88	3.90
	CAYUGA UNIT 1	05-2028	50-S0 *	(7)	502,836,244.36	229,858,114	308,176,668	33,826,055	6.73	9.11
	CAYUGA UNIT 2	05-2028	50-S0 *	(7)	456,229,498.88	218,064,393	270,101,171	29,688,050	6.51	9.10
	CAYUGA COMMON 1-2	05-2028	50-S0 *	(7)	175,379,676.06	38,558,603	149,097,651	16,157,755	9.21	9.23
	CAYUGA INLAND CONTAINER	05-2028	50-S0 *	(7)	2,437,060.24	1,973,934	633,720	74,728	3.07	8.48
	GIBSON UNIT 1	05-2038	50-S0 *	(10)	306,543,418.23	125,773,274	211,424,486	12,086,549	3.94	17.49
	GIBSON UNIT 2	05-2038	50-S0 *	(10)	310,424,007.39	132,173,352	209,293,056	12,002,212	3.87	17.44
	GIBSON UNIT 3	05-2034	50-S0 *	(10)	326,768,649.09	145,997,764	213,447,750	14,929,640	4.57	14.30
	GIBSON UNIT 4	05-2034	50-S0 *	(10)	317,659,376.10	144,051,979	205,373,335	14,380,192	4.53	14.28
	GIBSON UNIT 5	05-2026	50-S0 *	(10)	166,693,281.20	101,727,287	81,635,322	11,341,243	6.80	7.20
	GIBSON 1 FLUE GAS	05-2038	50-S0 *	(10)	142,896,275.54	56,599,208	100,586,695	5,716,552	4.00	17.60
	GIBSON 2 FLUE GAS	05-2038	50-S0 *	(10)	147,940,792.77	58,877,827	103,857,045	5,904,678	3.99	17.59
	GIBSON 3 FLUE GAS	05-2034	50-S0 *	(10)	207,675,317.39	98,846,560	129,596,289	9,087,006	4.38	14.26
	GIBSON 4 FLUE GAS	05-2034	50-S0 *	(10)	131,053,528.55	80,153,461	64,005,420	4,632,707	3.53	13.82
	GIBSON 5 FLUE GAS	05-2026	50-S0 *	(10)	56,789,565.25	39,188,060	23,280,461	3,259,457	5.74	7.14
	GIBSON COMMON 1-2	05-2038	50-S0 *	(10)	4,771,959.15	2,702,192	2,546,963	154,575	3.24	16.48
	GIBSON COMMON 1-3	05-2038	50-S0 *	(10)	246,889,883.68	44,544,703	227,034,169	12,473,984	5.05	18.20
	GIBSON COMMON 1-4	05-2038	50-S0 *	(10)	207,364.56	69,450	158,651	8,919	4.30	17.79
	GIBSON COMMON 1-5	05-2038	50-S0 *	(10)	70,483,422.32	34,752,501	42,779,263	2,517,020	3.57	17.00
	GIBSON COMMON 3-4	05-2034	50-S0 *	(10)	10,691,947.36	7,467,362	4,293,780	325,692	3.05	13.18
	GIBSON COMMON 4-5	05-2034	50-S0 *	(10)	9,220,870.08	6,190,449	3,952,508	293,788	3.19	13.45
	GIBSON COMMON 3-5	05-2034	50-S0	(10)	41,697.85	6,318	39,549	2,673	6.41	14.79
	TOTAL BOILER PLANT EQUIPMENT				3,748,961,015.81	1,702,137,355	2,395,377,175	200,088,714	5.34	12.0

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES INCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)		NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
312.10	BOILER PLANT EQUIPMENT - COAL CARS										
	GIBSON COMMON 1-5	05-2038	35-S3	*	20	2,914,384.60	1,280,508	1,050,999	73,256	2.51	14.35
312.20	BOILER PLANT EQUIPMENT - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	50-S0	*	(15)	1,843,155,022.34	352,507,730	1,767,120,545	74,634,207	4.05	23.68
312.30	BOILER PLANT EQUIPMENT - SCR CATALYST										
	GIBSON UNIT 1	05-2038	15-S1		(10)	6,424,043.36	2,902,450	4,163,998	484,353	7.54	8.60
	GIBSON UNIT 2	05-2038	15-S1		(10)	6,189,864.16	4,455,769	2,353,082	484,566	7.83	4.86
	GIBSON UNIT 3	05-2034	15-S1		(10)	5,652,917.01	4,337,694	1,880,515	445,222	7.88	4.22
	GIBSON UNIT 4	05-2034	15-S1		(10)	3,476,457.22	1,575,529	2,248,574	264,741	7.62	8.49
	GIBSON UNIT 5	05-2026	15-S1		(10)	1,926,610.52	1,372,124	747,148	155,310	8.06	4.81
	TOTAL BOILER PLANT EQUIPMENT - SCR CATALYST					23,669,892.27	14,643,565	11,393,316	1,834,192	7.75	6.2
314.00	TURBOGENERATOR UNITS										
	NOBLESVILLE	12-2018	60-S0.5	*	(5)	24,727.48	25,964	(0)	0	-	-
	GALLAGHER UNIT 2	12-2022	60-S0.5	*	(15)	11,775,378.68	9,934,252	3,607,433	923,729	7.84	3.91
	GALLAGHER UNIT 4	12-2022	60-S0.5	*	(15)	13,808,501.32	11,578,623	4,301,153	1,098,548	7.96	3.92
	GALLAGHER COMMON 1-2	12-2022	60-S0.5	*	(15)	1,054,634.48	882,711	330,119	83,936	7.96	3.93
	GALLAGHER COMMON 3-4	12-2022	60-S0.5	*	(15)	856,083.42	721,271	263,225	66,995	7.83	3.93
	GALLAGHER COMMON 1-4	12-2022	60-S0.5	*	(15)	2,329,361.60	1,918,853	759,913	194,242	8.34	3.91
	CAYUGA UNIT 1	05-2028	60-S0.5	*	(7)	43,472,925.57	23,101,627	23,414,404	2,567,901	5.91	9.12
	CAYUGA UNIT 2	05-2028	60-S0.5	*	(7)	38,020,087.43	21,603,539	19,077,955	2,101,307	5.53	9.08
	CAYUGA COMMON 1-2	05-2028	60-S0.5	*	(7)	18,125,644.33	10,787,507	8,606,933	950,409	5.24	9.06
	GIBSON UNIT 1	05-2038	60-S0.5	*	(10)	55,257,696.56	19,501,075	41,282,391	2,272,105	4.11	18.17
	GIBSON UNIT 2	05-2038	60-S0.5	*	(10)	56,206,502.10	20,661,461	41,165,692	2,269,547	4.04	18.14
	GIBSON UNIT 3	05-2034	60-S0.5	*	(10)	58,813,792.83	25,120,180	39,574,992	2,706,884	4.60	14.62
	GIBSON UNIT 4	05-2034	60-S0.5	*	(10)	60,379,425.10	25,000,474	41,416,894	2,824,768	4.68	14.66
	GIBSON UNIT 5	05-2026	60-S0.5	*	(10)	36,851,091.75	21,453,393	19,082,808	2,632,423	7.14	7.25
	GIBSON COMMON 1-2	05-2038	60-S0.5	*	(10)	2,696,136.89	1,531,505	1,434,245	84,645	3.14	16.94
	GIBSON COMMON 1-5	05-2038	60-S0.5	*	(10)	2,644,278.85	1,362,293	1,546,414	89,773	3.40	17.23
	GIBSON COMMON 3-4	05-2034	60-S0.5	*	(10)	217,229.84	145,826	93,127	6,905	3.18	13.49
	GIBSON COMMON 3-5	05-2034	60-S0.5	*	(10)	2,322,901.98	1,393,906	1,161,286	82,768	3.56	14.03
	TOTAL TURBOGENERATOR UNITS					404,856,400.21	196,724,461	247,118,981	20,956,887	5.18	11.8
314.20	TURBOGENERATOR UNITS - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	60-S0.5	*	(15)	644,993,821.94	106,351,344	635,391,551	25,563,728	3.96	24.86
315.00	ACCESSORY ELECTRIC EQUIPMENT										
	GALLAGHER STATION	12-2022	70-R1.5	*	(15)	39,546.55	20,535	24,944	6,270	15.85	3.98
	GALLAGHER UNIT 2	12-2022	70-R1.5	*	(15)	1,810,974.04	1,331,962	750,658	189,458	10.46	3.96
	GALLAGHER UNIT 4	12-2022	70-R1.5	*	(15)	1,439,955.33	1,409,340	246,608	62,727	4.36	3.93
	GALLAGHER COMMON 1-2	12-2022	70-R1.5	*	(15)	761,143.71	720,799	154,517	39,108	5.14	3.95
	GALLAGHER COMMON 3-4	12-2022	70-R1.5	*	(15)	571,545.51	551,817	105,461	26,687	4.67	3.95
	GALLAGHER COMMON 1-4	12-2022	70-R1.5	*	(15)	2,454,874.76	2,409,061	414,045	105,133	4.28	3.94
	CAYUGA UNIT 1	05-2028	70-R1.5	*	(7)	8,672,875.27	5,118,996	4,160,981	452,413	5.22	9.20
	CAYUGA UNIT 2	05-2028	70-R1.5	*	(7)	7,261,991.67	3,535,071	4,235,260	458,621	6.32	9.23
	CAYUGA COMMON 1-2	05-2028	70-R1.5	*	(7)	1,813,005.72	1,229,138	710,778	77,645	4.28	9.15
	CAYUGA INLAND CONTAINER	05-2028	70-R1.5	*	(7)	232,950.36	194,666	54,591	6,073	2.61	8.99
	GIBSON UNIT 1	05-2038	70-R1.5	*	(10)	21,588,553.27	5,586,176	18,161,233	973,755	4.51	18.65
	GIBSON UNIT 2	05-2038	70-R1.5	*	(10)	18,128,552.07	8,684,293	11,257,115	613,429	3.38	18.35
	GIBSON UNIT 3	05-2034	70-R1.5	*	(10)	15,418,198.79	10,075,428	6,884,590	472,824	3.07	14.56
	GIBSON UNIT 4	05-2034	70-R1.5	*	(10)	12,030,437.29	6,708,283	6,525,198	442,919	3.68	14.73
	GIBSON UNIT 5	05-2026	70-R1.5	*	(10)	15,655,429.14	11,097,405	6,123,567	840,808	5.37	7.28
	GIBSON 4 FLUE GAS	05-2034	70-R1.5	*	(10)	8,299,264.58	5,346,478	3,782,713	256,797	3.09	14.73
	GIBSON 5 FLUE GAS	05-2026	70-R1.5	*	(10)	2,138,719.25	1,848,071	504,520	69,928	3.27	7.21
	GIBSON COMMON 1-2	05-2038	70-R1.5	*	(10)	115,219.01	77,917	48,824	2,769	2.40	17.63
	GIBSON COMMON 1-3	05-2038	70-R1.5	*	(10)	1,159,798.29	683,910	591,868	32,571	2.81	18.17
	GIBSON COMMON 1-4	05-2038	70-R1.5	*	(10)	78,568.16	48,222	38,203	2,101	2.67	18.18
	GIBSON COMMON 1-5	05-2038	70-R1.5	*	(10)	8,526,726.17	5,058,436	4,320,963	238,994	2.80	18.08
	GIBSON COMMON 3-4	05-2034	70-R1.5	*	(10)	223,540.02	68,662	177,232	11,858	5.30	14.95
	GIBSON COMMON 4-5	05-2034	70-R1.5	*	(10)	355,440.35	245,613	145,372	10,006	2.82	14.53
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					128,777,309.31	72,050,278	69,419,240	5,392,891	4.19	12.9

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ALG DEPRECIATION RATES INCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
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ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)
315.20	ACCESSORY ELECTRIC EQUIPMENT - EDWARDSPORT IGCC									
	EDWARDSPORT IGCC	05-2045	40-R1.5 *	(15)	43,265,206.31	7,948,981	41,806,006	1,788,548	4.13	23.37
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT									
	GALLAGHER STATION	12-2022	55-R1 *	(15)	649,969.76	220,330	527,135	133,062	20.47	3.96
	GALLAGHER UNIT 2	12-2022	55-R1 *	(15)	110,861.62	84,919	42,572	10,790	9.73	3.95
	GALLAGHER UNIT 4	12-2022	55-R1 *	(15)	148,183.38	113,200	57,211	14,499	9.78	3.95
	GALLAGHER COMMON 1-2	12-2022	55-R1 *	(15)	3,491,797.37	2,623,604	1,391,963	352,822	10.10	3.95
	GALLAGHER COMMON 3-4	12-2022	55-R1 *	(15)	2,059,838.91	1,711,066	657,748	167,327	8.12	3.93
	GALLAGHER COMMON 1-4	12-2022	55-R1 *	(15)	7,917,768.38	6,088,677	3,016,756	765,845	9.67	3.94
	CAYUGA UNIT 1	05-2028	55-R1 *	(7)	8,578,317.95	4,165,707	5,013,093	552,359	6.44	9.08
	CAYUGA UNIT 2	05-2028	55-R1 *	(7)	6,678,872.61	4,094,782	3,051,612	338,962	5.08	9.00
	CAYUGA COMMON 1-2	05-2028	55-R1 *	(7)	16,023,790.84	6,106,784	11,038,672	1,210,742	7.56	9.12
	CAYUGA INLAND CONTAINER	05-2028	55-R1 *	(7)	144,121.16	92,454	61,755	6,871	4.77	8.99
	GIBSON UNIT 1	05-2038	55-R1 *	(10)	6,930,865.76	2,434,465	5,189,487	288,961	4.17	17.96
	GIBSON UNIT 2	05-2038	55-R1 *	(10)	4,804,584.36	2,036,805	3,248,237	183,181	3.81	17.73
	GIBSON UNIT 3	05-2034	55-R1 *	(10)	7,511,336.42	3,631,804	4,630,666	321,961	4.29	14.38
	GIBSON UNIT 4	05-2034	55-R1 *	(10)	7,737,148.77	3,751,301	4,759,562	331,350	4.28	14.36
	GIBSON UNIT 5	05-2026	55-R1 *	(10)	3,804,784.11	2,388,137	1,797,126	249,792	6.57	7.19
	GIBSON 4 FLUE GAS	05-2034	55-R1 *	(10)	1,156,458.91	431,568	840,537	57,605	4.98	14.59
	GIBSON 5 FLUE GAS	05-2026	55-R1 *	(10)	1,658,109.09	1,033,151	790,769	109,830	6.62	7.20
	GIBSON COMMON 1-2	05-2038	55-R1 *	(10)	1,631,929.10	826,603	968,519	55,574	3.41	17.43
	GIBSON COMMON 1-3	05-2038	55-R1 *	(10)	217,961.54	89,048	150,710	8,456	3.88	17.82
	GIBSON COMMON 1-4	05-2038	55-R1 *	(10)	11,062,788.88	791,546	11,377,522	620,270	5.61	18.34
	GIBSON COMMON 1-5	05-2038	55-R1 *	(10)	32,758,091.32	12,537,571	23,496,330	1,323,803	4.04	17.75
	GIBSON COMMON 3-4	05-2034	55-R1 *	(10)	114,215.64	74,282	51,355	3,805	3.33	13.50
	GIBSON COMMON 4-5	05-2034	55-R1	(10)	12,729.18	6,822	7,180	502	3.95	14.30
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT				125,204,525.06	55,334,626	82,166,519	7,108,368	5.68	13.0
316.20	MISCELLANEOUS POWER PLANT EQUIPMENT - EDWARDSPORT IGCC									
	EDWARDSPORT IGCC	05-2045	55-R1 *	(15)	15,872,104.30	1,218,445	17,034,475	700,977	4.42	24.30
	TOTAL STEAM PRODUCTION PLANT				**7,808,333,721.16**	**2,838,469,784**	**5,856,300,084**	**378,732,574**	**4.85**	**15.5**
	HYDRAULIC PRODUCTION PLANT									
331.00	STRUCTURES AND IMPROVEMENTS									
	MARKLAND	04-2061	105-R3 *	(23)	4,092,638.33	4,272,053	761,892	18,240	0.45	41.77
332.00	RESERVOIRS, DAMS AND WATERWAYS									
	MARKLAND	04-2061	80-R3 *	(23)	16,224,619.60	15,148,966	4,807,316	117,351	0.72	40.97
333.00	WATER WHEELS, TURBINES AND GENERATORS									
	MARKLAND	04-2061	60-R2.5 *	(23)	51,457,282.22	6,425,244	56,867,213	1,428,885	2.78	39.80
334.00	ACCESSORY ELECTRIC EQUIPMENT									
	MARKLAND	04-2061	60-R3 *	(23)	3,418,831.86	(750,967)	4,956,131	149,104	4.36	33.24
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT									
	MARKLAND	04-2061	40-R2 *	(23)	1,481,189.21	411,712	1,410,151	45,107	3.05	31.26
	TOTAL HYDRAULIC PRODUCTION PLANT				**76,674,561.22**	**25,507,008**	**68,802,702**	**1,758,686**	**2.29**	**39.1**

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ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)		NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
	OTHER PRODUCTION PLANT										
341.00	STRUCTURES AND IMPROVEMENTS										
	NOBLESVILLE	05-2034	55-R2.5	*	(11)	15,378,254.41	8,640,953	8,428,909	588,318	3.83	14.33
	NOBLESVILLE CT UNIT 3	05-2034	55-R2.5	*	(11)	3,163,542.29	1,812,802	1,698,730	114,036	3.60	14.90
	NOBLESVILLE CT UNIT 4	05-2034	55-R2.5	*	(11)	3,163,274.93	1,812,759	1,698,476	114,019	3.60	14.90
	NOBLESVILLE CT UNIT 5	05-2034	55-R2.5	*	(11)	3,182,777.19	1,822,684	1,710,199	114,801	3.61	14.90
	VERMILLION CT STATION	05-2043	55-R2.5	*	(9)	4,959,576.05	2,380,600	3,025,338	134,296	2.71	22.53
	CAYUGA CT UNIT 4	05-2028	55-R2.5	*	(5)	5,782,259.37	4,441,772	1,629,600	178,624	3.09	9.12
	CINCAP MADISON CT 1-8	05-2041	55-R2.5	*	(6)	10,100,987.03	4,912,320	5,794,727	277,206	2.74	20.90
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	55-R2.5	*	(6)	5,407,210.18	2,507,963	3,223,680	173,954	3.22	18.53
	CAYUGA DIESEL	05-2028	55-R2.5	*	(5)	5,514.86	4,963	828	100	1.82	8.24
	WHEATLAND CT UNIT 1	05-2043	55-R2.5	*	(17)	28,000.00	12,136	20,624	897	3.20	22.99
	WHEATLAND CT UNIT 2	05-2043	55-R2.5	*	(17)	28,000.00	12,136	20,624	897	3.20	22.99
	WHEATLAND CT UNIT 3	05-2043	55-R2.5	*	(17)	28,000.00	12,136	20,624	897	3.20	22.99
	WHEATLAND CT UNIT 4	05-2043	55-R2.5	*	(17)	28,000.00	12,136	20,624	897	3.20	22.99
	WHEATLAND COMMON CT 1-4	05-2043	55-R2.5	*	(17)	1,351,662.40	196,019	1,385,426	58,499	4.33	23.68
	TOTAL STRUCTURES AND IMPROVEMENTS					52,607,058.71	28,581,379	28,678,408	1,757,443	3.34	16.3
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES										
	NOBLESVILLE	05-2034	60-R2.5	*	(11)	232,157.50	57,053	200,642	13,183	5.68	15.22
	NOBLESVILLE CT UNIT 3	05-2034	60-R2.5	*	(11)	98,080.96	35,446	73,423	4,834	4.93	15.19
	NOBLESVILLE CT UNIT 4	05-2034	60-R2.5	*	(11)	155,988.07	30,892	142,255	9,343	5.99	15.23
	NOBLESVILLE CT UNIT 5	05-2034	60-R2.5	*	(11)	1,922,767.71	242,005	1,892,267	124,141	6.46	15.24
	NOBLESVILLE COMMON 3-5	05-2034	60-R2.5	*	(11)	6,686,286.62	4,561,876	2,859,902	190,769	2.85	14.99
	VERMILLION CT STATION	05-2043	60-R2.5	*	(9)	20,687,538.84	11,414,826	11,134,591	484,591	2.34	22.98
	CAYUGA CT UNIT 4	05-2028	60-R2.5	*	(5)	2,689,517.87	2,496,822	327,172	35,635	1.32	9.18
	CINCAP MADISON CT 1-8	05-2041	60-R2.5	*	(6)	9,287,951.00	5,468,400	4,376,828	206,707	2.23	21.17
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	60-R2.5	*	(6)	808,840.83	356,018	501,353	26,579	3.29	18.86
	CAYUGA DIESEL	05-2028	60-R2.5	*	(5)	25,530.44	27,298	(491)	0	-	-
	WHEATLAND CT UNIT 1	05-2043	60-R2.5	*	(17)	110,000.00	56,547	72,153	3,102	2.82	23.26
	WHEATLAND CT UNIT 2	05-2043	60-R2.5	*	(17)	145,403.68	36,012	134,111	5,653	3.89	23.72
	WHEATLAND CT UNIT 3	05-2043	60-R2.5	*	(17)	110,000.00	56,547	72,153	3,102	2.82	23.26
	WHEATLAND CT UNIT 4	05-2043	60-R2.5	*	(17)	110,000.00	56,547	72,153	3,102	2.82	23.26
	WHEATLAND COMMON CT 1-4	05-2043	60-R2.5	*	(17)	762,137.09	391,784	499,916	21,493	2.82	23.26
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES					43,832,200.61	25,288,073	22,358,429	1,132,235	2.58	19.7
343.00	PRIME MOVERS										
	NOBLESVILLE	05-2034	40-R1.5	*	(11)	37,149,288.55	17,161,100	24,074,611	1,691,581	4.55	14.23
	NOBLESVILLE CT UNIT 3	05-2034	40-R1.5	*	(11)	43,431,309.27	22,304,106	25,904,647	1,835,229	4.23	14.12
	NOBLESVILLE CT UNIT 4	05-2034	40-R1.5	*	(11)	48,555,363.87	22,454,776	31,441,678	2,209,470	4.55	14.23
	NOBLESVILLE CT UNIT 5	05-2034	40-R1.5	*	(11)	42,395,917.27	20,726,187	26,333,281	1,856,850	4.38	14.18
	VERMILLION CT STATION	05-2043	40-R1.5	*	(9)	12,083,164.88	4,178,768	8,991,882	433,059	3.58	20.76
	CAYUGA CT UNIT 4	05-2028	40-R1.5	*	(5)	28,357,632.22	21,401,007	8,374,507	966,861	3.41	8.66
	CINCAP MADISON CT UNIT 5	05-2041	40-R1.5	*	(6)	49,513.97	1,165	51,320	2,468	4.98	20.80
	CINCAP MADISON CT UNIT 6	05-2041	40-R1.5	*	(6)	4,916,528.11	555,032	4,656,487	226,182	4.60	20.59
	CINCAP MADISON CT UNIT 7	05-2041	40-R1.5	*	(6)	1,593,245.69	474,952	1,213,888	60,629	3.81	20.02
	CINCAP MADISON CT UNIT 8	05-2041	40-R1.5	*	(6)	3,185,257.49	464,867	2,911,506	141,735	4.45	20.54
	CINCAP MADISON CT 1-8	05-2041	40-R1.5	*	(6)	217,271,421.57	94,439,987	135,867,719	7,161,397	3.30	18.97
	HENRY COUNTY CT UNIT 3 (CADIZ CINCAP)	05-2038	40-R1.5	*	(6)	339,716.58	111,708	248,392	14,027	4.13	17.71
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	40-R1.5	*	(6)	47,360,621.19	17,364,662	32,837,596	1,884,268	3.98	17.43
	WHEATLAND CT UNIT 1	05-2043	40-R1.5	*	(17)	24,295,500.98	6,214,131	22,211,606	1,025,505	4.22	21.66
	WHEATLAND CT UNIT 2	05-2043	40-R1.5	*	(17)	18,042,161.99	6,947,186	14,162,144	675,964	3.75	20.95
	WHEATLAND CT UNIT 3	05-2043	40-R1.5	*	(17)	18,164,568.67	6,776,342	14,476,204	688,676	3.79	21.02
	WHEATLAND CT UNIT 4	05-2043	40-R1.5	*	(17)	17,407,177.30	6,957,469	13,408,928	642,667	3.69	20.86
	WHEATLAND COMMON CT 1-4	05-2043	40-R1.5	*	(17)	1,361,367.75	277,343	1,315,457	60,150	4.42	21.87
	TOTAL PRIME MOVERS					565,959,757.35	248,810,789	368,481,851	21,576,720	3.81	17.1

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ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)		NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
344.00	GENERATORS										
	NOBLESVILLE	05-2034	45-S1.5	*	(11)	31,366,266.41	23,070,246	11,746,309	801,319	2.55	14.66
	NOBLESVILLE CT UNIT 3	05-2034	45-S1.5	*	(11)	2,570,465.76	1,907,871	945,346	65,705	2.56	14.39
	NOBLESVILLE CT UNIT 4	05-2034	45-S1.5	*	(11)	2,532,001.21	1,858,359	952,163	66,045	2.61	14.42
	NOBLESVILLE CT UNIT 5	05-2034	45-S1.5	*	(11)	2,529,647.32	1,862,819	945,090	65,592	2.59	14.41
	VERMILLION CT STATION	05-2043	45-S1.5	*	(9)	114,748,831.30	77,637,032	47,439,194	2,355,582	2.05	20.14
	CAYUGA CT UNIT 4	05-2028	45-S1.5	*	(5)	9,930,571.23	9,141,059	1,286,040	139,001	1.40	9.25
	CINCAP MADISON CT 1-8	05-2041	45-S1.5	*	(6)	70,466,112.28	47,388,343	27,305,736	1,435,019	2.04	19.03
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	45-S1.5	*	(6)	25,371,949.11	17,582,239	9,312,028	541,812	2.14	17.19
	CAYUGA DIESEL	05-2028	45-S1.5	*	(5)	1,950,116.19	1,584,219	463,403	49,664	2.55	9.33
	WHEATLAND CT UNIT 1	05-2043	45-S1.5	*	(17)	4,059,676.06	2,419,329	2,330,492	108,975	2.68	21.39
	WHEATLAND CT UNIT 2	05-2043	45-S1.5	*	(17)	4,059,676.06	2,419,329	2,330,492	108,975	2.68	21.39
	WHEATLAND CT UNIT 3	05-2043	45-S1.5	*	(17)	4,059,676.06	2,419,329	2,330,492	108,975	2.68	21.39
	WHEATLAND CT UNIT 4	05-2043	45-S1.5	*	(17)	4,059,676.06	2,419,329	2,330,492	108,975	2.68	21.39
	WHEATLAND COMMON CT 1-4	05-2043	45-S1.5	*	(17)	99,306.82	21,090	95,099	4,083	4.11	23.29
	TOTAL GENERATORS					277,803,971.87	191,730,592	109,812,377	5,959,724	2.15	18.4
344.20	GENERATORS - SOLAR										
	CRANE SOLAR	05-2047	40-S2	*	(12)	36,800,103.86	2,314,063	38,902,054	1,444,382	3.92	26.93
345.00	ACCESSORY ELECTRIC EQUIPMENT										
	NOBLESVILLE	05-2034	35-S0.5	*	(11)	4,353,571.54	2,186,711	2,645,754	279,872	6.43	9.45
	NOBLESVILLE CT UNIT 3	05-2034	35-S0.5	*	(11)	794,893.28	417,930	464,402	35,582	4.48	13.05
	NOBLESVILLE CT UNIT 4	05-2034	35-S0.5	*	(11)	840,650.94	374,579	558,544	41,380	4.92	13.50
	NOBLESVILLE CT UNIT 5	05-2034	35-S0.5	*	(11)	820,065.17	414,790	495,482	37,599	4.58	13.18
	VERMILLION CT STATION	05-2043	35-S0.5	*	(9)	919,272.13	169,344	832,662	39,882	4.34	20.88
	CAYUGA CT UNIT 4	05-2028	35-S0.5	*	(5)	4,735,743.75	3,322,127	1,650,404	204,238	4.31	8.08
	CINCAP MADISON CT UNIT 1	05-2041	35-S0.5	*	(6)	51,122.51	10,640	43,549	2,241	4.38	19.43
	CINCAP MADISON CT UNIT 2	05-2041	35-S0.5	*	(6)	50,087.23	10,425	42,668	2,196	4.38	19.43
	CINCAP MADISON CT UNIT 6	05-2041	35-S0.5	*	(6)	46,568.87	9,693	39,670	2,042	4.38	19.43
	CINCAP MADISON CT UNIT 7	05-2041	35-S0.5	*	(6)	48,262.40	10,045	41,113	2,116	4.38	19.43
	CINCAP MADISON CT UNIT 8	05-2041	35-S0.5	*	(6)	48,377.98	10,069	41,211	2,121	4.38	19.43
	CINCAP MADISON CT 1-8	05-2041	35-S0.5	*	(6)	13,237,249.64	5,307,108	8,724,377	504,164	3.81	17.30
	HENRY COUNTY CT UNIT 1 (CADIZ CINCAP)	05-2038	35-S0.5	*	(6)	142,051.85	18,100	132,475	7,442	5.24	17.80
	HENRY COUNTY CT UNIT 2 (CADIZ CINCAP)	05-2038	35-S0.5	*	(6)	10,908.13	2,495	9,068	523	4.80	17.32
	HENRY COUNTY CT UNIT 3 (CADIZ CINCAP)	05-2038	35-S0.5	*	(6)	10,758.58	2,461	8,943	516	4.80	17.32
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	35-S0.5	*	(6)	7,256,791.30	1,870,340	5,821,859	342,089	4.71	17.02
	CAYUGA DIESEL	05-2028	35-S0.5	*	(5)	872,195.33	250,862	664,943	74,584	8.55	8.92
	WHEATLAND CT UNIT 1	05-2043	35-S0.5	*	(17)	519,360.92	205,804	401,848	21,336	4.11	18.83
	WHEATLAND CT UNIT 2	05-2043	35-S0.5	*	(17)	579,009.94	216,356	461,085	24,142	4.17	19.10
	WHEATLAND CT UNIT 3	05-2043	35-S0.5	*	(17)	500,272.93	199,233	386,087	20,528	4.10	18.81
	WHEATLAND CT UNIT 4	05-2043	35-S0.5	*	(17)	216,248.02	79,846	173,164	9,045	4.18	19.15
	WHEATLAND COMMON CT 1-4	05-2043	35-S0.5	*	(17)	1,665,425.59	322,617	1,625,931	77,776	4.67	20.91
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					37,718,888.03	15,411,575	25,265,239	1,731,414	4.59	14.6
345.20	ACCESSORY ELECTRIC EQUIPMENT - SOLAR										
	CRANE SOLAR	05-2047	25-S2.5	*	(12)	1,504,180.99	95,194	1,589,489	70,652	4.70	20.7
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT										
	NOBLESVILLE	05-2034	50-R1.5	*	(11)	6,630,887.76	1,691,619	5,668,666	392,025	5.91	14.46
	NOBLESVILLE CT UNIT 3	05-2034	50-R1.5	*	(11)	1,975,255.02	632,885	1,559,648	107,500	5.44	14.51
	NOBLESVILLE CT UNIT 4	05-2034	50-R1.5	*	(11)	1,895,372.08	625,138	1,478,725	102,086	5.39	14.49
	NOBLESVILLE CT UNIT 5	05-2034	50-R1.5	*	(11)	1,913,578.36	622,049	1,502,023	103,630	5.42	14.49
	VERMILLION CT STATION	05-2043	50-R1.5	*	(9)	1,347,503.75	117,102	1,351,677	59,419	4.41	22.75
	CAYUGA CT UNIT 4	05-2028	50-R1.5	*	(5)	1,228,893.39	477,989	812,349	90,084	7.33	9.02
	CINCAP MADISON CT 1-8	05-2041	50-R1.5	*	(6)	1,862,193.74	142,399	1,831,526	86,885	4.67	21.08
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	50-R1.5	*	(6)	864,793.37	83,282	833,399	45,206	5.23	18.44
	CAYUGA DIESEL	05-2028	50-R1.5	*	(5)	311.15	162	164	20	6.51	8.12
	WHEATLAND CT UNIT 1	05-2043	50-R1.5	*	(17)	629,836.13	130,862	606,046	27,298	4.33	22.20
	WHEATLAND CT UNIT 2	05-2043	50-R1.5	*	(17)	573,662.51	124,660	546,525	24,677	4.30	22.15
	WHEATLAND CT UNIT 3	05-2043	50-R1.5	*	(17)	615,252.36	134,714	585,131	26,430	4.30	22.14
	WHEATLAND CT UNIT 4	05-2043	50-R1.5	*	(17)	575,640.35	124,430	549,069	24,785	4.31	22.15
	WHEATLAND COMMON CT 1-4	05-2043	50-R1.5	*	(17)	3,502,524.33	616,868	3,481,085	155,681	4.44	22.36
	TOTAL MISCELLANEOUS PLANT EQUIPMENT					23,615,704.30	5,524,159	20,806,036	1,245,726	5.27	16.7
	TOTAL OTHER PRODUCTION PLANT					**1,039,841,865.72**	**517,755,824**	**615,893,882**	**34,918,297**	**3.36**	**17.6**
	TOTAL PRODUCTION					**8,924,850,148.10**	**3,381,732,617**	**6,540,996,668**	**415,409,557**	**4.65**	**15.7**

Attachment 1

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES INCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
	TRANSMISSION PLANT									
350.10	RIGHTS OF WAY		80-R4	0	38,621,842.27	19,954,329	18,667,513	381,083	0.99	48.99
352.00	STRUCTURES AND IMPROVEMENTS		70-R2.5	(5)	52,451,026.26	9,180,990	45,892,588	787,375	1.50	58.29
353.00	STATION EQUIPMENT		53-R1.5	(10)	699,465,966.97	204,674,509	564,738,054	13,742,377	1.96	41.09
353.50	STATION EQUIPMENT ELECTRONICS		20-S2.5	0	288,534.57	24,071	264,464	14,295	4.95	18.50
354.00	TOWERS AND FIXTURES		75-R3	(30)	89,056,102.10	56,002,880	59,770,053	1,341,517	1.51	44.55
355.00	POLES AND FIXTURES		55-R1	(50)	458,743,154.34	112,796,624	575,318,107	11,719,210	2.55	49.09
356.00	OVERHEAD CONDUCTORS AND DEVICES		65-R2.5	(60)	375,266,043.88	131,956,482	468,469,188	9,498,493	2.53	49.32
357.00	UNDERGROUND CONDUIT		65-R3	0	208,382.62	105,497	102,886	1,678	0.81	61.31
358.00	UNDERGROUND CONDUCTOR AND DEVICES		40-R4	0	1,295,923.44	413,269	882,654	25,541	1.97	34.56
	TOTAL TRANSMISSION PLANT				**1,715,396,976.45**	**535,108,651**	**1,734,105,508**	**37,511,570**	**2.19**	**46.2**
	DISTRIBUTION PLANT									
360.10	RIGHTS OF WAY		75-R4	0	2,013,063.74	1,011,544	1,001,520	17,557	0.87	57.04
361.00	STRUCTURES AND IMPROVEMENTS		65-R2	(15)	45,256,279.70	8,867,863	43,176,859	770,300	1.70	56.05
362.00	STATION EQUIPMENT		52-S0.5	(15)	547,556,994.01	203,673,504	426,017,039	10,033,390	1.83	42.46
364.00	POLES, TOWERS AND FIXTURES		55-R0.5	(50)	511,503,709.33	270,800,456	496,455,108	10,484,365	2.05	47.35
365.00	OVERHEAD CONDUCTORS AND DEVICES		55-R0.5	(40)	615,224,020.68	136,371,000	724,942,629	15,395,701	2.50	47.09
366.00	UNDERGROUND CONDUIT		55-R2	(25)	49,110,603.57	1,874,614	59,513,640	1,306,062	2.66	45.57
367.00	UNDERGROUND CONDUCTORS AND DEVICES		55-R2.5	(25)	525,591,706.04	184,016,156	472,973,477	11,428,113	2.17	41.39
368.00	LINE TRANSFORMERS		44-R0.5	(20)	476,169,774.70	215,516,907	355,886,823	9,612,040	2.02	37.03
369.00	SERVICES		55-R0.5	(25)	5,938.81	874	6,550	124	2.09	52.75
369.10	SERVICES - UNDERGROUND		55-R0.5	(25)	212,347,005.19	145,242,447	120,191,309	2,486,515	1.17	48.34
369.20	SERVICES - OVERHEAD		55-R0.5	(25)	46,713,686.56	42,179,950	16,212,158	314,989	0.67	51.47
370.00	METERS		30-S0.5	(1)	103,153,691.14	57,358,893	46,826,335	2,608,173	2.53	17.95
370.20	METERS - AMI		15-S2.5	0	93,317,259.20	9,327,268	83,989,991	6,099,687	6.54	13.77
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES		20-L0	(10)	33,180,160.54	26,407,126	10,091,050	587,215	1.77	17.18
373.00	STREET LIGHTING AND SIGNAL SYSTEMS		28-O1	(15)	39,579,025.56	28,536,682	16,979,198	651,741	1.65	26.05
	TOTAL DISTRIBUTION PLANT				**3,300,722,918.77**	**1,331,185,283**	**2,874,263,687**	**71,795,971**	**2.18**	**40.0**
	GENERAL PLANT									
390.00	STRUCTURES AND IMPROVEMENTS		55-S0.5	(10)	248,623,848.35	101,862,582	171,623,651	3,431,576	1.38	50.01
391.00	OFFICE FURNITURE AND EQUIPMENT		20-SQ	0	14,489,256.44	3,649,343	10,839,913	869,520	6.00	12.47
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP		5-SQ	0	15,609,440.43	6,082,985	9,526,456	3,330,606	21.34	2.86
392.00	TRANSPORTATION EQUIPMENT		22-L3	5	15,753,687.17	4,552,066	10,413,937	507,236	3.22	20.53
393.00	STORES EQUIPMENT		20-SQ	0	857,280.63	257,361	599,920	36,600	4.27	16.39
393.10	FORKLIFTS		25-SQ	0	566,834.72	12,108	554,727	22,642	3.99	24.50
394.00	TOOLS,SHOPS AND GARAGE EQUIPMENT		25-SQ	0	44,579,676.70	13,083,954	31,495,723	1,732,917	3.89	18.17
395.00	LABORATORY EQUIPMENT		20-SQ	0	1,918,992.88	2,005,383	(86,390)	0	-	-
396.00	POWER OPERATED EQUIPMENT		22-R0.5	0	846,850.35	469,747	377,103	41,538	4.90	9.08
397.00	COMMUNICATION EQUIPMENT		20-SQ	0	98,561,626.13	44,676,740	53,884,886	4,289,469	4.35	12.56
398.00	MISCELLANEOUS EQUIPMENT		15-SQ	0	1,516,246.83	1,256,366	259,881	17,923	1.18	14.50
	TOTAL GENERAL PLANT				**443,323,740.63**	**177,908,635**	**289,489,806**	**14,280,027**	**3.22**	**20.3**
	TOTAL TRANSMISSION, DISTRIBUTION AND GENERAL PLANT				**5,459,443,635.85**	**2,044,202,568**	**4,897,859,001**	**123,587,568**	**2.26**	**39.6**
	TOTAL DEPRECIABLE PLANT				**14,384,293,783.95**	**5,425,935,185**	**11,438,855,669**	**538,997,124**	**3.75**	**21.2**

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES INCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
	NONDEPRECIABLE AND ACCOUNTS NOT STUDIED									
301.00	ORGANIZATION				225,629.48					
302.00	FRANCHISES AND CONSENTS				2,774,170.58	397,631				
303.00	MISCELLANEOUS INTANGIBLE PLANT				254,575,888.55	205,536,629				
310.00	LAND AND LAND RIGHTS				30,462,881.52	0				
310.10	RIGHTS OF WAY				26,439.08					
317.00	ARO				552,944,056.49	116,437,173				
340.00	LAND AND LAND RIGHTS				5,693,709.05					
340.10	RIGHTS OF WAY				28,987.75					
347.00	ARO				2,360,397.70	590,471				
350.00	LAND AND LAND RIGHTS				2,928,600.41	(96,678)				
360.00	LAND AND LAND RIGHTS				17,434,790.36	(110,409)				
389.00	LAND AND LAND RIGHTS				2,808,097.01	(25,833)				
399.00	ARO				3,599,896.88	4,339,198				
	ACCOUNTS 789 AND 790					396,514				
	SEC EQUITY AMORT					(27,102,066)				
	WABASH RIVER UNIT 1 WVPA					(23,801)				
	TOTAL NONDEPRECIABLE AND ACCOUNTS NOT STUDIED				**875,863,544.86**	**300,338,829**				
	TOTAL ELECTRIC PLANT				**15,260,157,328.81**	**5,726,274,014**				

* Curve shown is interim survivor curve. Each facility in the account is assigned an individual probable retirement year.

** The depreciation rates as of December 31, 2019 for Solar Assets and Storage Battery Equipment, will be as follows:

Account	Life	Net Salvage	Depreciation Rate
341.20	40-R2.5	-5	4.40
344.20	40-S2	-10	4.52
345.20	25-S2.5	-5	4.72
363.00	15-L3	0	6.71

ATTACHMENT 2

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES EXCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE		NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE
	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)
	STEAM PRODUCTION PLANT										
311.00	STRUCTURES AND IMPROVEMENTS										
	NOBLESVILLE	12-2018	100-R2.5	*	(5)	24,727.48	25,964	(0)	0	-	-
	WABASHRIVER COMMON 2-6	12-2018	100-R2.5	*	(5)	442,309.18	464,425	(0)	0	-	-
	GALLAGHER UNIT 2	12-2022	100-R2.5	*	(12)	19,632.90	16,878	5,111	1,281	6.53	3.99
	GALLAGHER UNIT 4	12-2022	100-R2.5	*	(12)	25,584.18	22,047	6,608	1,656	6.47	3.99
	GALLAGHER COMMON 1-4	12-2022	100-R2.5	*	(12)	76,036,089.99	58,689,779	26,470,641	6,635,876	8.73	3.99
	CAYUGA UNIT 1	05-2028	100-R2.5	*	(6)	3,651,013.62	796,883	3,073,192	327,424	8.97	9.39
	CAYUGA UNIT 2	05-2028	100-R2.5	*	(6)	1,306,400.78	361,368	1,023,417	109,053	8.35	9.38
	CAYUGA COMMON 1-2	05-2028	100-R2.5	*	(6)	126,376,301.65	50,425,128	83,533,752	8,915,225	7.05	9.37
	CAYUGA INLAND CONTAINER	05-2028	100-R2.5	*	(6)	756,820.44	575,162	227,068	24,431	3.23	9.29
	GIBSON UNIT 1	05-2038	100-R2.5	*	(8)	20,066,885.53	13,154,029	8,518,208	453,596	2.26	18.78
	GIBSON UNIT 2	05-2038	100-R2.5	*	(8)	24,684,353.13	16,430,256	10,228,845	545,715	2.21	18.74
	GIBSON UNIT 3	05-2034	100-R2.5	*	(8)	34,255,215.11	24,129,642	12,865,990	855,408	2.50	15.04
	GIBSON UNIT 4	05-2034	100-R2.5	*	(8)	26,613,348.62	18,487,097	10,255,319	680,966	2.56	15.06
	GIBSON UNIT 5	05-2026	100-R2.5	*	(8)	24,181,559.36	19,366,324	6,749,760	918,237	3.80	7.35
	GIBSON 3 FLUE GAS	05-2034	100-R2.5	*	(8)	391,692.00	238,629	184,399	12,134	3.10	15.20
	GIBSON 4 FLUE GAS	05-2034	100-R2.5	*	(8)	33,422,528.64	20,038,903	16,057,428	1,056,061	3.16	15.21
	GIBSON 5 FLUE GAS	05-2026	100-R2.5	*	(8)	2,533,467.06	2,055,299	680,845	92,655	3.66	7.35
	GIBSON COMMON 1-2	05-2038	100-R2.5	*	(8)	8,622,835.77	3,738,678	5,573,984	291,290	3.38	19.14
	GIBSON COMMON 1-3	05-2038	100-R2.5	*	(8)	84,100,898.84	27,581,278	63,247,693	3,298,450	3.92	19.17
	GIBSON COMMON 1-4	05-2038	100-R2.5	*	(8)	2,327,130.55	1,087,355	1,425,946	74,788	3.21	19.07
	GIBSON COMMON 1-5	05-2038	100-R2.5	*	(8)	192,005,834.14	38,801,442	168,564,859	8,766,409	4.57	19.23
	GIBSON COMMON 3-4	05-2034	100-R2.5	*	(8)	1,863,114.39	661,147	1,351,017	88,481	4.75	15.27
	GIBSON COMMON 4-5	05-2034	100-R2.5	*	(8)	10,285,200.29	6,004,215	5,103,802	335,716	3.26	15.20
	GIBSON COMMON 3-5	05-2034	100-R2.5	*	(8)	1,764,570.72	929,917	975,819	64,137	3.63	15.21
	TOTAL STRUCTURES AND IMPROVEMENTS					675,757,514.37	304,081,844	426,123,702	33,548,989	4.96	12.7
311.20	STRUCTURES AND IMPROVEMENTS - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	100-R2.5	*	(6)	150,906,524.64	24,190,647	135,770,270	5,207,598	3.45	26.07
312.00	BOILER PLANT EQUIPMENT										
	NOBLESVILLE	12-2018	50-S0	*	(5)	24,727.48	25,964	0	0	-	
	GALLAGHER STATION	12-2022	50-S0	*	(12)	175,826.63	165,284	31,642	8,105	4.61	3.90
	GALLAGHER UNIT 2	12-2022	50-S0	*	(12)	57,045,022.12	48,431,223	15,459,201	3,930,781	6.89	3.93
	GALLAGHER UNIT 4	12-2022	50-S0	*	(12)	61,426,143.24	52,400,466	16,396,814	4,170,273	6.79	3.93
	GALLAGHER COMMON 1-2	12-2022	50-S0	*	(12)	8,220,357.56	7,544,377	1,662,423	425,801	5.18	3.90
	GALLAGHER COMMON 3-4	12-2022	50-S0	*	(12)	9,752,585.42	8,879,697	2,043,199	522,589	5.36	3.91
	GALLAGHER COMMON 1-4	12-2022	50-S0	*	(12)	18,682,517.31	17,216,013	3,708,407	949,803	5.08	3.90
	CAYUGA UNIT 1	05-2028	50-S0	*	(6)	502,836,244.36	233,987,350	299,019,069	32,812,219	6.53	9.11
	CAYUGA UNIT 2	05-2028	50-S0	*	(6)	456,229,498.88	221,981,764	261,621,505	28,749,079	6.30	9.10
	CAYUGA COMMON 1-2	05-2028	50-S0	*	(6)	175,379,676.06	39,251,280	146,651,176	15,890,565	9.06	9.23
	CAYUGA INLAND CONTAINER	05-2028	50-S0	*	(6)	2,437,060.24	2,009,395	573,889	67,646	2.78	8.48
	GIBSON UNIT 1	05-2038	50-S0	*	(8)	306,543,418.23	126,890,728	204,176,163	11,665,952	3.81	17.50
	GIBSON UNIT 2	05-2038	50-S0	*	(8)	310,424,007.39	133,347,669	201,910,259	11,573,106	3.73	17.45
	GIBSON UNIT 3	05-2034	50-S0	*	(8)	326,768,649.09	147,294,906	205,615,235	14,373,991	4.40	14.30
	GIBSON UNIT 4	05-2034	50-S0	*	(8)	317,659,376.10	145,331,833	197,740,293	13,838,246	4.36	14.29
	GIBSON UNIT 5	05-2026	50-S0	*	(8)	166,693,281.20	102,631,101	77,397,643	10,746,277	6.45	7.20
	GIBSON 1 FLUE GAS	05-2038	50-S0	*	(8)	142,896,275.54	57,102,074	97,225,904	5,525,528	3.87	17.60
	GIBSON 2 FLUE GAS	05-2038	50-S0	*	(8)	147,940,792.77	59,400,937	100,375,119	5,706,717	3.86	17.59
	GIBSON 3 FLUE GAS	05-2034	50-S0	*	(8)	207,675,317.39	99,724,779	124,564,564	8,734,165	4.21	14.26
	GIBSON 4 FLUE GAS	05-2034	50-S0	*	(8)	131,053,528.55	80,865,598	60,672,213	4,390,345	3.35	13.82
	GIBSON 5 FLUE GAS	05-2026	50-S0	*	(8)	56,789,565.25	39,536,233	21,796,497	3,049,398	5.37	7.15
	GIBSON COMMON 1-2	05-2038	50-S0	*	(8)	4,771,959.15	2,726,200	2,427,516	147,060	3.08	16.51
	GIBSON COMMON 1-3	05-2038	50-S0	*	(8)	246,889,883.68	44,940,468	221,700,606	12,179,556	4.93	18.20
	GIBSON COMMON 1-4	05-2038	50-S0	*	(8)	207,364.56	70,067	153,887	8,647	4.17	17.80
	GIBSON COMMON 1-5	05-2038	50-S0	*	(8)	70,483,422.32	35,061,266	41,060,830	2,412,242	3.42	17.02
	GIBSON COMMON 3-4	05-2034	50-S0	*	(8)	10,691,947.36	7,533,707	4,013,596	304,099	2.84	13.20
	GIBSON COMMON 4-5	05-2034	50-S0	*	(8)	9,220,870.08	6,245,449	3,713,090	275,851	2.99	13.46
	GIBSON COMMON 3-5	05-2034	50-S0		(8)	41,697.85	6,374	38,659	2,613	6.27	14.79
	TOTAL BOILER PLANT EQUIPMENT					3,748,961,015.81	1,720,602,204	2,311,749,400	192,460,653	5.13	12.0

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ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)		NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
312.10	BOILER PLANT EQUIPMENT - COAL CARS										
	GIBSON COMMON 1-5	05-2038	35-S3	*	20	2,914,384.60	1,315,809	1,015,699	70,787	2.43	14.35
312.20	BOILER PLANT EQUIPMENT - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	50-S0	*	(6)	1,843,155,022.34	333,877,477	1,619,866,846	68,414,399	3.71	23.68
312.30	BOILER PLANT EQUIPMENT - SCR CATALYST										
	GIBSON UNIT 1	05-2038	15-S1		(8)	6,424,043.36	2,928,237	4,009,730	465,284	7.24	8.62
	GIBSON UNIT 2	05-2038	15-S1		(8)	6,189,864.16	4,495,357	2,189,696	448,166	7.24	4.89
	GIBSON UNIT 3	05-2034	15-S1		(8)	5,652,917.01	4,376,233	1,728,918	409,331	7.24	4.22
	GIBSON UNIT 4	05-2034	15-S1		(8)	3,476,457.22	1,589,527	2,165,047	254,734	7.33	8.50
	GIBSON UNIT 5	05-2026	15-S1		(8)	1,926,610.52	1,384,315	696,424	144,758	7.51	4.81
	TOTAL BOILER PLANT EQUIPMENT - SCR CATALYST					23,669,892.27	14,773,669	10,789,815	1,722,273	7.28	6.3
314.00	TURBOGENERATOR UNITS										
	NOBLESVILLE	12-2018	60-S0.5	*	(5)	24,727.48	25,964	(0)	0	-	-
	GALLAGHER UNIT 2	12-2022	60-S0.5	*	(12)	11,775,378.68	10,060,420	3,128,004	800,491	6.80	3.91
	GALLAGHER UNIT 4	12-2022	60-S0.5	*	(12)	13,808,501.32	11,725,676	3,739,846	954,745	6.91	3.92
	GALLAGHER COMMON 1-2	12-2022	60-S0.5	*	(12)	1,054,634.48	893,921	287,269	73,035	6.93	3.93
	GALLAGHER COMMON 3-4	12-2022	60-S0.5	*	(12)	856,083.42	730,431	228,382	58,121	6.79	3.93
	GALLAGHER COMMON 1-4	12-2022	60-S0.5	*	(12)	2,329,361.60	1,943,223	665,662	170,023	7.30	3.92
	CAYUGA UNIT 1	05-2028	60-S0.5	*	(6)	43,472,925.57	23,797,175	22,284,126	2,441,970	5.62	9.13
	CAYUGA UNIT 2	05-2028	60-S0.5	*	(6)	38,020,087.43	22,253,983	18,047,310	1,986,214	5.22	9.09
	CAYUGA COMMON 1-2	05-2028	60-S0.5	*	(6)	18,125,644.33	11,112,299	8,100,884	893,956	4.93	9.06
	GIBSON UNIT 1	05-2038	60-S0.5	*	(8)	55,257,696.56	19,909,043	39,769,269	2,187,059	3.96	18.18
	GIBSON UNIT 2	05-2038	60-S0.5	*	(8)	56,206,502.10	21,093,704	39,609,318	2,182,208	3.88	18.15
	GIBSON UNIT 3	05-2034	60-S0.5	*	(8)	58,813,792.83	25,645,702	37,873,195	2,588,579	4.40	14.63
	GIBSON UNIT 4	05-2034	60-S0.5	*	(8)	60,379,425.10	25,523,491	39,686,289	2,704,989	4.48	14.67
	GIBSON UNIT 5	05-2026	60-S0.5	*	(8)	36,851,091.75	21,902,204	17,896,975	2,467,256	6.70	7.25
	GIBSON COMMON 1-2	05-2038	60-S0.5	*	(8)	2,696,136.89	1,563,545	1,348,283	79,522	2.95	16.95
	GIBSON COMMON 1-5	05-2038	60-S0.5	*	(8)	2,644,278.85	1,390,793	1,465,029	84,926	3.21	17.25
	GIBSON COMMON 3-4	05-2034	60-S0.5	*	(8)	217,229.84	148,877	85,731	6,357	2.93	13.49
	GIBSON COMMON 3-5	05-2034	60-S0.5	*	(8)	2,322,901.98	1,423,067	1,085,667	77,351	3.33	14.04
	TOTAL TURBOGENERATOR UNITS					404,856,400.21	201,143,518	235,301,238	19,756,801	4.88	11.9
314.20	TURBOGENERATOR UNITS - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	60-S0.5	*	(6)	644,993,821.94	101,932,287	581,761,165	23,405,823	3.63	24.86
315.00	ACCESSORY ELECTRIC EQUIPMENT										
	GALLAGHER STATION	12-2022	70-R1.5	*	(12)	39,546.55	20,484	23,808	5,984	15.13	3.98
	GALLAGHER UNIT 2	12-2022	70-R1.5	*	(12)	1,810,974.04	1,328,672	699,619	176,425	9.74	3.97
	GALLAGHER UNIT 4	12-2022	70-R1.5	*	(12)	1,439,955.33	1,405,859	206,891	52,573	3.65	3.94
	GALLAGHER COMMON 1-2	12-2022	70-R1.5	*	(12)	761,143.71	719,018	133,463	33,761	4.44	3.95
	GALLAGHER COMMON 3-4	12-2022	70-R1.5	*	(12)	571,545.51	550,453	89,678	22,686	3.97	3.95
	GALLAGHER COMMON 1-4	12-2022	70-R1.5	*	(12)	2,454,874.76	2,403,109	346,350	87,888	3.58	3.94
	CAYUGA UNIT 1	05-2028	70-R1.5	*	(6)	8,672,875.27	5,194,126	3,999,122	434,556	5.01	9.20
	CAYUGA UNIT 2	05-2028	70-R1.5	*	(6)	7,261,991.67	3,586,955	4,110,757	444,967	6.13	9.24
	CAYUGA COMMON 1-2	05-2028	70-R1.5	*	(6)	1,813,005.72	1,247,178	674,609	73,642	4.06	9.16
	CAYUGA INLAND CONTAINER	05-2028	70-R1.5	*	(6)	232,950.36	197,523	49,404	5,496	2.36	8.99
	GIBSON UNIT 1	05-2038	70-R1.5	*	(8)	21,588,553.27	5,617,606	17,698,032	948,595	4.39	18.66
	GIBSON UNIT 2	05-2038	70-R1.5	*	(8)	18,128,552.07	8,733,154	10,845,682	590,679	3.26	18.36
	GIBSON UNIT 3	05-2034	70-R1.5	*	(8)	15,418,198.79	10,132,117	6,519,537	447,476	2.90	14.57
	GIBSON UNIT 4	05-2034	70-R1.5	*	(8)	12,030,437.29	6,746,027	6,246,845	423,777	3.52	14.74
	GIBSON UNIT 5	05-2026	70-R1.5	*	(8)	15,655,429.14	11,159,844	5,748,019	788,934	5.04	7.29
	GIBSON 4 FLUE GAS	05-2034	70-R1.5	*	(8)	8,299,264.58	5,376,559	3,586,646	243,487	2.93	14.73
	GIBSON 5 FLUE GAS	05-2026	70-R1.5	*	(8)	2,138,719.25	1,858,469	451,348	62,551	2.92	7.22
	GIBSON COMMON 1-2	05-2038	70-R1.5	*	(8)	115,219.01	78,356	46,081	2,612	2.27	17.64
	GIBSON COMMON 1-3	05-2038	70-R1.5	*	(8)	1,159,798.29	687,758	564,824	31,074	2.68	18.18
	GIBSON COMMON 1-4	05-2038	70-R1.5	*	(8)	78,568.16	48,493	36,360	2,000	2.55	18.18
	GIBSON COMMON 1-5	05-2038	70-R1.5	*	(8)	8,526,726.17	5,086,897	4,121,968	227,867	2.67	18.09
	GIBSON COMMON 3-4	05-2034	70-R1.5	*	(8)	223,540.02	69,049	172,375	11,529	5.16	14.95
	GIBSON COMMON 4-5	05-2034	70-R1.5	*	(8)	355,440.35	246,995	136,881	9,419	2.65	14.53
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					128,777,309.31	72,494,701	66,508,298	5,127,977	3.98	13.0

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ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)		NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
315.20	ACCESSORY ELECTRIC EQUIPMENT - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	40-R1.5	*	(6)	43,265,206.31	7,504,558	38,356,561	1,640,966	3.79	23.37
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT										
	GALLAGHER STATION	12-2022	55-R1	*	(12)	649,969.76	218,678	509,288	128,557	19.78	3.96
	GALLAGHER UNIT 2	12-2022	55-R1	*	(12)	110,861.62	84,282	39,883	10,109	9.12	3.95
	GALLAGHER UNIT 4	12-2022	55-R1	*	(12)	148,183.38	112,351	53,614	13,587	9.17	3.95
	GALLAGHER COMMON 1-2	12-2022	55-R1	*	(12)	3,491,797.37	2,603,940	1,306,873	331,245	9.49	3.95
	GALLAGHER COMMON 3-4	12-2022	55-R1	*	(12)	2,059,838.91	1,698,242	608,778	154,869	7.52	3.93
	GALLAGHER COMMON 1-4	12-2022	55-R1	*	(12)	7,917,768.38	6,043,043	2,824,857	717,084	9.06	3.94
	CAYUGA UNIT 1	05-2028	55-R1	*	(6)	8,578,317.95	4,205,556	4,887,461	538,422	6.28	9.08
	CAYUGA UNIT 2	05-2028	55-R1	*	(6)	6,678,872.61	4,133,952	2,945,653	327,164	4.90	9.00
	CAYUGA COMMON 1-2	05-2028	55-R1	*	(6)	16,023,790.84	6,165,201	10,820,017	1,186,584	7.41	9.12
	CAYUGA INLAND CONTAINER	05-2028	55-R1	*	(6)	144,121.16	93,339	59,430	6,612	4.59	8.99
	GIBSON UNIT 1	05-2038	55-R1	*	(8)	6,930,865.76	2,435,832	5,049,503	281,145	4.06	17.96
	GIBSON UNIT 2	05-2038	55-R1	*	(8)	4,804,584.36	2,037,948	3,151,003	177,678	3.70	17.73
	GIBSON UNIT 3	05-2034	55-R1	*	(8)	7,511,336.42	3,633,842	4,478,401	311,349	4.15	14.38
	GIBSON UNIT 4	05-2034	55-R1	*	(8)	7,737,148.77	3,753,407	4,602,714	320,397	4.14	14.37
	GIBSON UNIT 5	05-2026	55-R1	*	(8)	3,804,784.11	2,389,477	1,719,690	239,010	6.28	7.20
	GIBSON 4 FLUE GAS	05-2034	55-R1	*	(8)	1,156,458.91	431,810	817,165	56,003	4.84	14.59
	GIBSON 5 FLUE GAS	05-2026	55-R1	*	(8)	1,658,109.09	1,033,730	757,027	105,138	6.34	7.20
	GIBSON COMMON 1-2	05-2038	55-R1	*	(8)	1,631,929.10	827,067	935,416	53,674	3.29	17.43
	GIBSON COMMON 1-3	05-2038	55-R1	*	(8)	217,961.54	89,098	146,301	8,208	3.77	17.82
	GIBSON COMMON 1-4	05-2038	55-R1	*	(8)	11,062,788.88	791,990	11,155,822	608,178	5.50	18.34
	GIBSON COMMON 1-5	05-2038	55-R1	*	(8)	32,758,091.32	12,544,607	22,834,132	1,286,156	3.93	17.75
	GIBSON COMMON 3-4	05-2034	55-R1	*	(8)	114,215.64	74,324	49,029	3,632	3.18	13.50
	GIBSON COMMON 4-5	05-2034	55-R1		(8)	12,729.18	6,826	6,922	484	3.80	14.30
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT					125,204,525.06	55,408,543	79,758,979	6,865,285	5.48	13.0
316.20	MISCELLANEOUS POWER PLANT EQUIPMENT - EDWARDSPORT IGCC										
	EDWARDSPORT IGCC	05-2045	55-R1	*	(6)	15,872,104.30	1,144,529	15,679,902	645,234	4.07	24.30
	TOTAL STEAM PRODUCTION PLANT					**7,808,333,721.16**	**2,838,469,784**	**5,522,681,873**	**358,866,784**	**4.60**	**15.4**
	HYDRAULIC PRODUCTION PLANT										
331.00	STRUCTURES AND IMPROVEMENTS										
	MARKLAND	04-2061	105-R3	*	(22)	4,092,638.33	4,272,053	720,966	17,258	0.42	41.78
332.00	RESERVOIRS, DAMS AND WATERWAYS										
	MARKLAND	04-2061	80-R3	*	(22)	16,224,619.60	15,148,967	4,645,069	113,339	0.70	40.98
333.00	WATER WHEELS, TURBINES AND GENERATORS										
	MARKLAND	04-2061	60-R2.5	*	(22)	51,457,282.22	6,425,244	56,352,640	1,415,892	2.75	39.80
334.00	ACCESSORY ELECTRIC EQUIPMENT										
	MARKLAND	04-2061	60-R3	*	(22)	3,418,831.86	(750,967)	4,921,942	148,174	4.33	33.22
335.00	MISCELLANEOUS POWER PLANT EQUIPMENT										
	MARKLAND	04-2061	40-R2	*	(22)	1,481,189.21	411,712	1,395,339	44,577	3.01	31.30
	TOTAL HYDRAULIC PRODUCTION PLANT					**76,674,561.22**	**25,507,009**	**68,035,956**	**1,739,240**	**2.27**	**39.1**

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	ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE		NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE
	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)
	OTHER PRODUCTION PLANT										
341.00	STRUCTURES AND IMPROVEMENTS										
	NOBLESVILLE	05-2034	55-R2.5	*	(5)	15,378,254.41	8,473,572	7,673,595	528,534	3.44	14.52
	NOBLESVILLE CT UNIT 3	05-2034	55-R2.5	*	(5)	3,163,542.29	1,777,686	1,544,033	103,651	3.28	14.90
	NOBLESVILLE CT UNIT 4	05-2034	55-R2.5	*	(5)	3,163,274.93	1,777,645	1,543,794	103,635	3.28	14.90
	NOBLESVILLE CT UNIT 5	05-2034	55-R2.5	*	(5)	3,182,777.19	1,787,377	1,554,539	104,352	3.28	14.90
	VERMILLION CT STATION	05-2043	55-R2.5	*	(6)	4,959,576.05	2,399,961	2,857,189	126,825	2.56	22.53
	CAYUGA CT UNIT 4	05-2028	55-R2.5	*	(4)	5,782,259.37	4,560,777	1,452,773	159,201	2.75	9.13
	CINCAP MADISON CT 1-8	05-2041	55-R2.5	*	(4)	10,100,987.03	4,996,347	5,508,679	263,507	2.61	20.91
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	55-R2.5	*	(5)	5,407,210.18	2,575,390	3,102,181	167,369	3.10	18.54
	CAYUGA DIESEL	05-2028	55-R2.5	*	(4)	5,514.86	5,096	639	78	1.41	8.24
	WHEATLAND CT UNIT 1	05-2043	55-R2.5	*	(5)	28,000.00	11,291	18,109	788	2.81	22.99
	WHEATLAND CT UNIT 2	05-2043	55-R2.5	*	(5)	28,000.00	11,291	18,109	788	2.81	22.99
	WHEATLAND CT UNIT 3	05-2043	55-R2.5	*	(5)	28,000.00	11,291	18,109	788	2.81	22.99
	WHEATLAND CT UNIT 4	05-2043	55-R2.5	*	(5)	28,000.00	11,291	18,109	788	2.81	22.99
	WHEATLAND COMMON CT 1-4	05-2043	55-R2.5	*	(5)	1,351,662.40	182,364	1,236,881	52,226	3.86	23.68
	TOTAL STRUCTURES AND IMPROVEMENTS					52,607,058.71	28,581,380	26,546,740	1,612,529	3.07	16.5
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES										
	NOBLESVILLE	05-2034	60-R2.5	*	(5)	232,157.50	55,670	188,096	12,359	5.32	15.22
	NOBLESVILLE CT UNIT 3	05-2034	60-R2.5	*	(5)	98,080.96	34,587	68,398	4,503	4.59	15.19
	NOBLESVILLE CT UNIT 4	05-2034	60-R2.5	*	(5)	155,988.07	30,143	133,645	8,777	5.63	15.23
	NOBLESVILLE CT UNIT 5	05-2034	60-R2.5	*	(5)	1,922,767.71	236,136	1,782,770	116,957	6.08	15.24
	NOBLESVILLE COMMON 3-5	05-2034	60-R2.5	*	(5)	6,686,286.62	4,451,240	2,569,361	171,388	2.56	14.99
	VERMILLION CT STATION	05-2043	60-R2.5	*	(6)	20,687,538.84	11,450,379	10,478,412	455,973	2.20	22.98
	CAYUGA CT UNIT 4	05-2028	60-R2.5	*	(4)	2,689,517.87	2,550,955	246,143	26,795	1.00	9.19
	CINCAP MADISON CT 1-8	05-2041	60-R2.5	*	(4)	9,287,951.00	5,534,253	4,125,216	194,822	2.10	21.17
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	60-R2.5	*	(5)	808,840.83	363,770	485,513	25,732	3.18	18.87
	CAYUGA DIESEL	05-2028	60-R2.5	*	(4)	25,530.44	27,889	(1,338)	0	-	-
	WHEATLAND CT UNIT 1	05-2043	60-R2.5	*	(5)	110,000.00	52,346	63,154	2,715	2.47	23.26
	WHEATLAND CT UNIT 2	05-2043	60-R2.5	*	(5)	145,403.68	33,336	119,338	5,030	3.46	23.72
	WHEATLAND CT UNIT 3	05-2043	60-R2.5	*	(5)	110,000.00	52,346	63,154	2,715	2.47	23.26
	WHEATLAND CT UNIT 4	05-2043	60-R2.5	*	(5)	110,000.00	52,346	63,154	2,715	2.47	23.26
	WHEATLAND COMMON CT 1-4	05-2043	60-R2.5	*	(5)	762,137.09	362,678	437,566	18,812	2.47	23.26
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES					43,832,200.61	25,288,073	20,822,583	1,049,294	2.39	19.8
343.00	PRIME MOVERS										
	NOBLESVILLE	05-2034	40-R1.5	*	(5)	37,149,288.55	16,881,291	22,125,462	1,553,806	4.18	14.24
	NOBLESVILLE CT UNIT 3	05-2034	40-R1.5	*	(5)	43,431,309.27	21,940,442	23,662,433	1,675,933	3.86	14.12
	NOBLESVILLE CT UNIT 4	05-2034	40-R1.5	*	(5)	48,555,363.87	22,088,655	28,894,477	2,029,717	4.18	14.24
	NOBLESVILLE CT UNIT 5	05-2034	40-R1.5	*	(5)	42,395,917.27	20,388,250	24,127,463	1,700,834	4.01	14.19
	VERMILLION CT STATION	05-2043	40-R1.5	*	(6)	12,083,164.88	4,225,926	8,582,229	412,889	3.42	20.79
	CAYUGA CT UNIT 4	05-2028	40-R1.5	*	(4)	28,357,632.22	22,043,090	7,448,848	859,423	3.03	8.67
	CINCAP MADISON CT UNIT 5	05-2041	40-R1.5	*	(4)	49,513.97	1,189	50,306	2,419	4.89	20.80
	CINCAP MADISON CT UNIT 6	05-2041	40-R1.5	*	(4)	4,916,528.11	566,291	4,546,898	220,835	4.49	20.59
	CINCAP MADISON CT UNIT 7	05-2041	40-R1.5	*	(4)	1,593,245.69	484,587	1,172,389	58,557	3.68	20.02
	CINCAP MADISON CT UNIT 8	05-2041	40-R1.5	*	(4)	3,185,257.49	474,297	2,838,371	138,175	4.34	20.54
	CINCAP MADISON CT 1-8	05-2041	40-R1.5	*	(4)	217,271,421.57	96,355,746	129,606,533	6,827,782	3.14	18.98
	HENRY COUNTY CT UNIT 3 (CADIZ CINCAP)	05-2038	40-R1.5	*	(5)	339,716.58	115,070	241,633	13,646	4.02	17.71
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	40-R1.5	*	(5)	47,360,621.19	17,887,267	31,841,385	1,825,947	3.86	17.44
	WHEATLAND CT UNIT 1	05-2043	40-R1.5	*	(5)	24,295,500.98	5,799,333	19,710,943	909,846	3.74	21.66
	WHEATLAND CT UNIT 2	05-2043	40-R1.5	*	(5)	18,042,161.99	6,483,456	12,460,814	594,651	3.30	20.95
	WHEATLAND CT UNIT 3	05-2043	40-R1.5	*	(5)	18,164,568.67	6,324,016	12,748,781	606,362	3.34	21.03
	WHEATLAND CT UNIT 4	05-2043	40-R1.5	*	(5)	17,407,177.30	6,493,053	11,784,483	564,743	3.24	20.87
	WHEATLAND COMMON CT 1-4	05-2043	40-R1.5	*	(5)	1,361,367.75	258,831	1,170,606	53,515	3.93	21.87
	TOTAL PRIME MOVERS					565,959,757.35	248,810,789	343,014,052	20,049,079	3.54	17.1

Attachment 2

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES EXCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE		NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	BOOK RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE
	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)=(8)/(5)	(10)
344.00	GENERATORS										
	NOBLESVILLE	05-2034	45-S1.5	*	(5)	31,366,266.41	22,509,411	10,425,169	709,741	2.26	14.69
	NOBLESVILLE CT UNIT 3	05-2034	45-S1.5	*	(5)	2,570,465.76	1,861,491	837,498	58,194	2.26	14.39
	NOBLESVILLE CT UNIT 4	05-2034	45-S1.5	*	(5)	2,532,001.21	1,813,182	845,419	58,618	2.32	14.42
	NOBLESVILLE CT UNIT 5	05-2034	45-S1.5	*	(5)	2,529,647.32	1,817,534	838,596	58,181	2.30	14.41
	VERMILLION CT STATION	05-2043	45-S1.5	*	(6)	114,748,831.30	77,874,249	43,759,512	2,172,729	1.89	20.14
	CAYUGA CT UNIT 4	05-2028	45-S1.5	*	(4)	9,930,571.23	9,338,694	989,100	106,176	1.07	9.32
	CINCAP MADISON CT 1-8	05-2041	45-S1.5	*	(4)	70,466,112.28	47,956,179	25,328,577	1,330,949	1.89	19.03
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	45-S1.5	*	(5)	25,371,949.11	17,964,006	8,676,541	504,774	1.99	17.19
	CAYUGA DIESEL	05-2028	45-S1.5	*	(4)	1,950,116.19	1,618,471	409,650	43,838	2.25	9.34
	WHEATLAND CT UNIT 1	05-2043	45-S1.5	*	(5)	4,059,676.06	2,239,463	2,023,197	94,606	2.33	21.39
	WHEATLAND CT UNIT 2	05-2043	45-S1.5	*	(5)	4,059,676.06	2,239,463	2,023,197	94,606	2.33	21.39
	WHEATLAND CT UNIT 3	05-2043	45-S1.5	*	(5)	4,059,676.06	2,239,463	2,023,197	94,606	2.33	21.39
	WHEATLAND CT UNIT 4	05-2043	45-S1.5	*	(5)	4,059,676.06	2,239,463	2,023,197	94,606	2.33	21.39
	WHEATLAND COMMON CT 1-4	05-2043	45-S1.5	*	(5)	99,306.82	19,522	84,750	3,639	3.66	23.29
	TOTAL GENERATORS					277,803,971.87	191,730,591	100,287,599	5,425,262	1.95	18.5
344.20	GENERATORS - SOLAR										
	CRANE SOLAR	05-2047	40-S2	*	(12)	36,800,103.86	2,314,063	38,902,054	1,444,382	3.92	26.93
345.00	ACCESSORY ELECTRIC EQUIPMENT										
	NOBLESVILLE	05-2034	35-S0.5	*	(5)	4,353,571.54	2,130,172	2,441,078	232,552	5.34	10.50
	NOBLESVILLE CT UNIT 3	05-2034	35-S0.5	*	(5)	794,893.28	407,124	427,514	32,756	4.12	13.05
	NOBLESVILLE CT UNIT 4	05-2034	35-S0.5	*	(5)	840,650.94	364,894	517,789	38,345	4.56	13.50
	NOBLESVILLE CT UNIT 5	05-2034	35-S0.5	*	(5)	820,065.17	404,066	457,003	34,676	4.23	13.18
	VERMILLION CT STATION	05-2043	35-S0.5	*	(6)	919,272.13	169,593	804,836	38,549	4.19	20.88
	CAYUGA CT UNIT 4	05-2028	35-S0.5	*	(4)	4,735,743.75	3,388,576	1,536,597	190,138	4.01	8.08
	CINCAP MADISON CT UNIT 1	05-2041	35-S0.5	*	(4)	51,122.51	10,751	42,417	2,183	4.27	19.43
	CINCAP MADISON CT UNIT 2	05-2041	35-S0.5	*	(4)	50,087.23	10,533	41,558	2,139	4.27	19.43
	CINCAP MADISON CT UNIT 6	05-2041	35-S0.5	*	(4)	46,568.87	9,793	38,638	1,989	4.27	19.43
	CINCAP MADISON CT UNIT 7	05-2041	35-S0.5	*	(4)	48,262.40	10,149	40,043	2,061	4.27	19.43
	CINCAP MADISON CT UNIT 8	05-2041	35-S0.5	*	(4)	48,377.98	10,174	40,139	2,066	4.27	19.43
	CINCAP MADISON CT 1-8	05-2041	35-S0.5	*	(4)	13,237,249.64	5,362,192	8,404,548	485,343	3.67	17.32
	HENRY COUNTY CT UNIT 1 (CADIZ CINCAP)	05-2038	35-S0.5	*	(5)	142,051.85	18,463	130,691	7,341	5.17	17.80
	HENRY COUNTY CT UNIT 2 (CADIZ CINCAP)	05-2038	35-S0.5	*	(5)	10,908.13	2,545	8,909	514	4.71	17.32
	HENRY COUNTY CT UNIT 3 (CADIZ CINCAP)	05-2038	35-S0.5	*	(5)	10,758.58	2,510	8,786	507	4.71	17.32
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	35-S0.5	*	(5)	7,256,791.30	1,907,924	5,711,707	335,385	4.62	17.03
	CAYUGA DIESEL	05-2028	35-S0.5	*	(4)	872,195.33	255,880	651,203	72,838	8.35	8.94
	WHEATLAND CT UNIT 1	05-2043	35-S0.5	*	(5)	519,360.92	190,202	355,127	18,853	3.63	18.84
	WHEATLAND CT UNIT 2	05-2043	35-S0.5	*	(5)	579,009.94	199,954	408,006	21,359	3.69	19.10
	WHEATLAND CT UNIT 3	05-2043	35-S0.5	*	(5)	500,272.93	184,129	341,158	18,137	3.63	18.81
	WHEATLAND CT UNIT 4	05-2043	35-S0.5	*	(5)	216,248.02	73,793	153,268	8,004	3.70	19.15
	WHEATLAND COMMON CT 1-4	05-2043	35-S0.5	*	(5)	1,665,425.59	298,159	1,450,538	69,383	4.17	20.91
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					37,718,888.03	15,411,575	24,011,554	1,615,117	4.28	14.9
345.20	ACCESSORY ELECTRIC EQUIPMENT - SOLAR										
	CRANE SOLAR	05-2047	25-S2.5	*	(12)	1,504,180.99	95,194	1,589,489	70,652	4.70	20.7
346.00	MISCELLANEOUS POWER PLANT EQUIPMENT										
	NOBLESVILLE	05-2034	50-R1.5	*	(5)	6,630,887.76	1,698,694	5,263,738	363,784	5.49	14.47
	NOBLESVILLE CT UNIT 3	05-2034	50-R1.5	*	(5)	1,975,255.02	635,532	1,438,486	99,147	5.02	14.51
	NOBLESVILLE CT UNIT 4	05-2034	50-R1.5	*	(5)	1,895,372.08	627,753	1,362,388	94,054	4.96	14.49
	NOBLESVILLE CT UNIT 5	05-2034	50-R1.5	*	(5)	1,913,578.36	624,651	1,384,607	95,528	4.99	14.49
	VERMILLION CT STATION	05-2043	50-R1.5	*	(6)	1,347,503.75	120,890	1,307,464	57,474	4.27	22.75
	CAYUGA CT UNIT 4	05-2028	50-R1.5	*	(4)	1,228,893.39	502,584	775,465	85,973	7.00	9.02
	CINCAP MADISON CT 1-8	05-2041	50-R1.5	*	(4)	1,862,193.74	148,314	1,788,368	84,836	4.56	21.08
	HENRY COUNTY COMMON CT 1-3 (CADIZ CINCAP)	05-2038	50-R1.5	*	(5)	864,793.37	87,575	820,458	44,503	5.15	18.44
	CAYUGA DIESEL	05-2028	50-R1.5	*	(4)	311.15	171	153	19	6.06	8.12
	WHEATLAND CT UNIT 1	05-2043	50-R1.5	*	(5)	629,836.13	124,671	536,657	24,171	3.84	22.20
	WHEATLAND CT UNIT 2	05-2043	50-R1.5	*	(5)	573,662.51	118,762	483,584	21,833	3.81	22.15
	WHEATLAND CT UNIT 3	05-2043	50-R1.5	*	(5)	615,252.36	128,340	517,675	23,381	3.80	22.14
	WHEATLAND CT UNIT 4	05-2043	50-R1.5	*	(5)	575,640.35	118,543	485,880	21,931	3.81	22.16
	WHEATLAND COMMON CT 1-4	05-2043	50-R1.5	*	(5)	3,502,524.33	587,682	3,089,969	138,174	3.94	22.36
	TOTAL MISCELLANEOUS PLANT EQUIPMENT					23,615,704.30	5,524,159	19,254,891	1,154,809	4.89	16.7
	TOTAL OTHER PRODUCTION PLANT					**1,039,841,865.72**	**517,755,824**	**574,428,962**	**32,421,123**	**3.12**	**17.7**
	TOTAL PRODUCTION					**8,924,850,148.10**	**3,381,732,617**	**6,165,146,791**	**393,027,147**	**4.40**	**15.7**

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES EXCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
	TRANSMISSION PLANT									
350.10	RIGHTS OF WAY		80-R4	0	38,621,842.27	19,954,329	18,667,513	381,083	0.99	48.99
352.00	STRUCTURES AND IMPROVEMENTS		70-R2.5	(5)	52,451,026.26	9,180,990	45,892,588	787,375	1.50	58.29
353.00	STATION EQUIPMENT		53-R1.5	(10)	699,465,966.97	204,674,509	564,738,054	13,742,377	1.96	41.09
353.50	STATION EQUIPMENT ELECTRONICS		20-S2.5	0	288,534.57	24,071	264,464	14,295	4.95	18.50
354.00	TOWERS AND FIXTURES		75-R3	(30)	89,056,102.10	56,002,880	59,770,053	1,341,517	1.51	44.55
355.00	POLES AND FIXTURES		55-R1	(50)	458,743,154.34	112,796,624	575,318,107	11,719,210	2.55	49.09
356.00	OVERHEAD CONDUCTORS AND DEVICES		65-R2.5	(60)	375,266,043.88	131,956,482	468,469,188	9,498,493	2.53	49.32
357.00	UNDERGROUND CONDUIT		65-R3	0	208,382.62	105,497	102,886	1,678	0.81	61.31
358.00	UNDERGROUND CONDUCTOR AND DEVICES		40-R4	0	1,295,923.44	413,269	882,654	25,541	1.97	34.56
	TOTAL TRANSMISSION PLANT				**1,715,396,976.45**	**535,108,651**	**1,734,105,508**	**37,511,570**	**2.19**	**46.2**
	DISTRIBUTION PLANT									
360.10	RIGHTS OF WAY		75-R4	0	2,013,063.74	1,011,544	1,001,520	17,557	0.87	57.04
361.00	STRUCTURES AND IMPROVEMENTS		65-R2	(15)	45,256,279.70	8,867,863	43,176,859	770,300	1.70	56.05
362.00	STATION EQUIPMENT		52-S0.5	(15)	547,556,994.01	203,673,504	426,017,039	10,033,390	1.83	42.46
364.00	POLES, TOWERS AND FIXTURES		55-R0.5	(50)	511,503,709.33	270,800,456	496,455,108	10,484,365	2.05	47.35
365.00	OVERHEAD CONDUCTORS AND DEVICES		55-R0.5	(40)	615,224,020.68	136,371,000	724,942,629	15,395,701	2.50	47.09
366.00	UNDERGROUND CONDUIT		55-R2	(25)	49,110,603.57	1,874,614	59,513,640	1,306,062	2.66	45.57
367.00	UNDERGROUND CONDUCTORS AND DEVICES		55-R2.5	(25)	525,591,706.04	184,016,156	472,973,477	11,428,113	2.17	41.39
368.00	LINE TRANSFORMERS		44-R0.5	(20)	476,169,774.70	215,516,907	355,886,823	9,612,040	2.02	37.03
369.00	SERVICES		55-R0.5	(25)	5,938.81	874	6,550	124	2.09	52.75
369.10	SERVICES - UNDERGROUND		55-R0.5	(25)	212,347,005.19	145,242,447	120,191,309	2,486,515	1.17	48.34
369.20	SERVICES - OVERHEAD		55-R0.5	(25)	46,713,686.56	42,179,950	16,212,158	314,989	0.67	51.47
370.00	METERS		30-S0.5	(1)	103,153,691.14	57,358,893	46,826,335	2,608,173	2.53	17.95
370.20	METERS - AMI		15-S2.5	0	93,317,259.20	9,327,268	83,989,991	6,099,687	6.54	13.77
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES		20-L0	(10)	33,180,160.54	26,407,126	10,091,050	587,215	1.77	17.18
373.00	STREET LIGHTING AND SIGNAL SYSTEMS		28-O1	(15)	39,579,025.56	28,536,682	16,979,198	651,741	1.65	26.05
	TOTAL DISTRIBUTION PLANT				**3,300,722,918.77**	**1,331,185,283**	**2,874,263,687**	**71,795,971**	**2.18**	**40.0**
	GENERAL PLANT									
390.00	STRUCTURES AND IMPROVEMENTS		55-S0.5	(10)	248,623,848.35	101,862,582	171,623,651	3,431,576	1.38	50.01
391.00	OFFICE FURNITURE AND EQUIPMENT		20-SQ	0	14,489,256.44	3,649,343	10,839,913	869,520	6.00	12.47
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP		5-SQ	0	15,609,440.43	6,082,985	9,526,456	3,330,606	21.34	2.86
392.00	TRANSPORTATION EQUIPMENT		22-L3	5	15,753,687.17	4,552,066	10,413,937	507,236	3.22	20.53
393.00	STORES EQUIPMENT		20-SQ	0	857,280.63	257,361	599,920	36,600	4.27	16.39
393.10	FORKLIFTS		25-SQ	0	566,834.72	12,108	554,727	22,642	3.99	24.50
394.00	TOOLS,SHOPS AND GARAGE EQUIPMENT		25-SQ	0	44,579,676.70	13,083,954	31,495,723	1,732,917	3.89	18.17
395.00	LABORATORY EQUIPMENT		20-SQ	0	1,918,992.88	2,005,383	(86,390)	0	-	-
396.00	POWER OPERATED EQUIPMENT		22-R0.5	0	846,850.35	469,747	377,103	41,538	4.90	9.08
397.00	COMMUNICATION EQUIPMENT		20-SQ	0	98,561,626.13	44,676,740	53,884,886	4,289,469	4.35	12.56
398.00	MISCELLANEOUS EQUIPMENT		15-SQ	0	1,516,246.83	1,256,366	259,881	17,923	1.18	14.50
	TOTAL GENERAL PLANT				**443,323,740.63**	**177,908,635**	**289,489,806**	**14,280,027**	**3.22**	**20.3**
	TOTAL TRANSMISSION, DISTRIBUTION AND GENERAL PLANT				**5,459,443,635.85**	**2,044,202,568**	**4,897,859,001**	**123,587,568**	**2.26**	**39.6**
	TOTAL DEPRECIABLE PLANT				**14,384,293,783.95**	**5,425,935,186**	**11,063,005,792**	**516,614,715**	**3.59**	**21.4**

Attachment 2

DUKE INDUSTRIAL GROUP
ALG DEPRECIATION RATES EXCLUDING INVENTORY (REBUTTAL RETIREMENT DATES)
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED
ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL AMOUNT (8)	CALCULATED ANNUAL ACCRUAL RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)
	NONDEPRECIABLE AND ACCOUNTS NOT STUDIED									
301.00	ORGANIZATION				225,629.48					
302.00	FRANCHISES AND CONSENTS				2,774,170.58	397,631				
303.00	MISCELLANEOUS INTANGIBLE PLANT				254,575,888.55	205,536,629				
310.00	LAND AND LAND RIGHTS				30,462,881.52	0				
310.10	RIGHTS OF WAY				26,439.08					
317.00	ARO				552,944,056.49	116,437,173				
340.00	LAND AND LAND RIGHTS				5,693,709.05					
340.10	RIGHTS OF WAY				28,987.75					
347.00	ARO				2,360,397.70	590,471				
350.00	LAND AND LAND RIGHTS				2,928,600.41	(96,678)				
360.00	LAND AND LAND RIGHTS				17,434,790.36	(110,409)				
389.00	LAND AND LAND RIGHTS				2,808,097.01	(25,833)				
399.00	ARO				3,599,896.88	4,339,198				
	ACCOUNTS 789 AND 790					396,514				
	SEC EQUITY AMORT					(27,102,066)				
	WABASH RIVER UNIT 1 WVPA					(23,801)				
	TOTAL NONDEPRECIABLE AND ACCOUNTS NOT STUDIED				**875,863,544.86**	**300,338,829**				
	TOTAL ELECTRIC PLANT				**15,260,157,328.81**	**5,726,274,014**				

* Curve shown is interim survivor curve. Each facility in the account is assigned an individual probable retirement year.

** The depreciation rates as of December 31, 2019 for Solar Assets and Storage Battery Equipment, will be as follows:

Account	Life	Net Salvage	Depreciation Rate
341.20	40-R2.5	-5	4.40
344.20	40-S2	-10	4.52
345.20	25-S2.5	-5	4.72
363.00	15-L3	0	6.71