

Memo

To: David Leathers
From: Kelly Hawkins
Date: December 15, 2021
Re: 2022 Electric Division Budget

Please find the attached Budget Worksheets for the Electric Division. Included are the Cash Summary, Pro-forma Income Statement, Expense Line Detail, Capital Budgets and Transportation Summaries for 2022 to 2026.

We are anticipating net income of \$2.3M for year-ending 2021, compared to a budgeted amount of \$2.68M. Tariff sales for 2021 are projected to be \$135K under budget and other revenues are expected to be \$99K, under budget. The Off System Sales revenue is projected to provide a total revenue of \$6.52M. This is \$1.57M more the \$4.95M budget, for 2021.

Operating expenses are projected to be \$602K over budget, for 2021. The majority of the expenses that are projected to be over budget are the NYSERDA charges for REC's and ZEC's. National Grid and NYISO charges related to Purchase Power, are also anticipated to be over budget \$556K and \$232K, respectively.

The 2022 Budget has no recommended rate increase. From the 2021 budget to the 2022 budget, the projected tariff sales decrease approximately \$410K in Base Rate revenues while FAC revenues are expected to increase \$1.1M, our Off System sales projection for 2022 is essentially, to remain the same as 2021. This is primarily due to the uncertainty, and volatility in the market as well as, the price of Electricity.

The 2022 budget includes \$2.6M in production expenses charged due to The New York State Clean Energy Standard; this is an increase of \$600K from 2021. The fuel expense for 2022 is budgeted to remain at the same level as 2021. Again, this is with the thought process that the market is changing very quickly but we also continue to run less than a few years ago.

The 2022 capital projects budget is \$6.28M Major items included are \$840K for the third, and final, year of Advanced Meter Infrastructure implementation, \$536K for the replacement of vehicles, and \$400K for Power Plant dismantling of hazardous materials. The Power Plant Dismantling Fund will provide the funds for the \$400K. We also have budgeted the standard amounts for replacement of Distribution Equipment for 2022; \$300K for Pole replacements, \$300K for Transformer replacements, and \$400K for underground cables.

	Actuals 2019	Actuals 2020	Budget 2021	YTD 2021	Projected 2021	Budget 2022	Budget 2023	Budget 2024	Budget 2025	Budget 2026
Unrestricted Cash Balance January 1	11,570,793	11,277,700	11,692,660	11,439,442	11,439,442	13,977,362	15,545,724	17,079,808	18,066,649	18,384,151
Restricted Cash Balance January 1	5,525,656	5,557,397	3,497,921	5,334,133	3,500,000	4,107,921	4,567,921	1,967,921	2,477,921	-
Receipts:										
Tariff Revenues Base Rate	21,864,947	19,270,214	20,388,313	16,215,282	19,287,459	19,978,201	19,678,528	20,268,884	20,267,870	20,247,603
Tariff Revenues FAC	13,067,723	13,756,567	14,248,574	12,578,674	15,214,647	15,380,000	15,507,000	15,922,070	16,245,591	16,245,591
OSS UCAP Revenue	652,332	1,092,937	1,000,000	2,104,202	2,274,406	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000
OSS Balancing Energy Revenue	4,950,157	2,764,607	3,950,000	4,078,553	4,250,000	4,250,000	4,247,875	4,247,854	4,247,833	4,247,811
Other Revenues	1,085,172	799,167	1,074,650	792,812	975,511	976,601	990,149	1,004,103	1,018,476	1,033,281
Interest	148,103	104,336	225,000	(2,136)	100,000	250,000	262,500	275,625	289,406	303,877
Bond Proceeds	1,200,000									
Expenditures:										
O&M	28,352,757	27,587,403	28,562,965	24,246,951	29,913,931	30,934,915	31,040,201	31,384,878	31,694,472	31,691,812
Taxes	568,925	554,138	568,400	377,489	383,151	582,610	597,175	612,105	627,407	643,092
Tax Equiv.-City	2,278,470	2,175,501	2,293,235	1,842,178	2,197,256	2,197,322	2,197,388	2,197,454	2,197,520	2,197,586
Tax Equiv.-School Bd.	1,450,671	1,481,232	1,344,772	1,254,371	1,496,044	1,503,524	1,518,635	1,533,897	1,549,313	1,564,883
Bond Principal	4,187,713	265,000	255,000	-	-	250,000	245,000	240,000	230,000	230,000
Bond Interest	219,636	31,468	26,169	-	-	21,068	16,068	10,862	5,462	5,462
Contribution From Restricted Fund	3,978									
Capital Expend	6,199,317	5,531,343	5,028,500	5,164,862	5,573,721	6,277,000	5,537,500	6,752,500	7,447,500	8,151,802
Cash Balance December 31	\$ 11,277,700	\$ 11,439,442	\$ 14,500,156	\$ 14,320,978	\$ 13,977,362	\$ 15,545,724	\$ 17,079,808	\$ 18,066,649	\$ 18,384,151	\$ 17,977,675
Pro-Forma Income Statement										
Operating Revenue:										
Tariff Sales - Base rate 'fixed cost recovery from tariff	\$ 21,864,947	\$ 19,270,214	\$ 20,388,313	\$ 16,215,282	\$ 19,287,459	\$ 19,978,201	\$ 19,678,528	\$ 20,268,884	\$ 20,267,870	\$ 20,247,603
Tariff Sales - FAC 'variable cost recovery from tariff cu	\$ 13,067,723	\$ 13,756,567	\$ 14,248,574	\$ 12,578,674	\$ 15,214,647	\$ 15,380,000	\$ 15,507,000	\$ 15,922,070	\$ 16,245,591	\$ 16,245,591
Balancing Energy	\$ 4,950,157	\$ 2,764,607	\$ 3,950,000	\$ 4,078,553	\$ 4,250,000	\$ 4,250,000	\$ 4,247,875	\$ 4,247,854	\$ 4,247,833	\$ 4,247,811
UCAP Revenue	\$ 652,332	\$ 1,092,937	\$ 1,000,000	\$ 2,214,406	\$ 2,274,406	\$ 2,500,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
Energy Efficiency '1. mil adder'	\$ 434,518	\$ 404,178	\$ 426,203	\$ 371,971	\$ 405,511	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000
DH Recovery	\$ 205,272	\$ 125,004	\$ 210,000	\$ 88,460	\$ 120,000	\$ 115,000	\$ 115,000	\$ 115,000	\$ 115,000	\$ 115,000
Other Revenues	\$ 445,381	\$ 269,985	\$ 438,447	\$ 332,381	\$ 450,000	\$ 451,601	\$ 465,149	\$ 479,103	\$ 493,476	\$ 508,281
Total Revenue	\$ 41,620,331	\$ 37,683,492	\$ 40,661,538	\$ 35,879,727	\$ 42,002,023	\$ 43,084,802	\$ 42,423,552	\$ 43,442,911	\$ 43,779,770	\$ 43,774,285
Operating Expenses:										
Production Expenses Recovered in Base Rate	\$ 3,414,820	\$ 3,236,368	\$ 3,408,813	\$ 2,646,170	\$ 3,340,750	\$ 3,370,749	\$ 3,453,625	\$ 3,501,441	\$ 3,550,000	\$ 3,599,315
Production Expenses in FAC	\$ 13,067,723	\$ 13,756,567	\$ 14,248,574	\$ 12,578,674	\$ 15,214,647	\$ 15,380,000	\$ 15,507,000	\$ 15,922,070	\$ 16,245,591	\$ 16,245,591
Production Expenses - Split FAC/OSS/DH	\$ 4,354,435	\$ 1,805,296	\$ 2,641,163	\$ 2,574,338	\$ 3,250,126	\$ 3,800,000	\$ 3,610,000	\$ 3,429,500	\$ 3,258,025	\$ 3,095,124
Trans/Distribution	\$ 2,802,081	\$ 2,902,263	\$ 2,877,434	\$ 2,445,382	\$ 2,792,885	\$ 3,007,000	\$ 3,022,035	\$ 3,037,145	\$ 3,052,331	\$ 3,067,593
Street Lighting	\$ 83,553	\$ 37,614	\$ 40,316	\$ 19,182	\$ 28,000	\$ 30,000	\$ 32,000	\$ 32,640	\$ 33,293	\$ 33,959
Cust.Acctg & Coll	\$ 858,263	\$ 877,170	\$ 898,146	\$ 720,093	\$ 856,229	\$ 845,200	\$ 846,045	\$ 846,891	\$ 847,738	\$ 848,586
Admin. & Gen	\$ 3,771,882	\$ 4,972,125	\$ 4,448,519	\$ 3,263,112	\$ 4,431,294	\$ 4,501,967	\$ 4,569,496	\$ 4,615,191	\$ 4,707,495	\$ 4,801,645
Depreciation	\$ 5,112,532	\$ 5,243,186	\$ 5,112,021	\$ 4,448,435	\$ 4,492,919	\$ 5,163,141	\$ 5,240,588	\$ 5,345,400	\$ 5,452,308	\$ 5,561,354
Taxes	\$ 568,925	\$ 554,138	\$ 568,400	\$ 377,489	\$ 383,151	\$ 582,610	\$ 597,175	\$ 612,105	\$ 627,407	\$ 643,092
Tax Equiv.- City	\$ 2,278,470	\$ 2,175,501	\$ 2,293,235	\$ 1,842,178	\$ 2,197,256	\$ 2,197,322	\$ 2,197,388	\$ 2,197,454	\$ 2,197,520	\$ 2,197,586
Tax Equiv.-School Bd.	\$ 1,450,671	\$ 1,481,232	\$ 1,344,772	\$ 1,254,371	\$ 1,496,044	\$ 1,503,524	\$ 1,518,635	\$ 1,533,897	\$ 1,549,313	\$ 1,564,883
Total Expense	\$ 37,763,355	\$ 37,041,460	\$ 37,881,393	\$ 32,169,424	\$ 38,483,302	\$ 40,381,513	\$ 40,593,988	\$ 41,073,734	\$ 41,521,020	\$ 41,658,727
Net Electric Income	3,856,976	642,032	2,780,144	3,710,303	3,518,722	2,703,289	1,829,564	2,369,177	2,258,750	2,115,558
Other Income:										
PSC Ordered Customer OSS refund										
Interest	\$ 148,103	\$ 104,336	\$ 225,000	\$ (2,136)	\$ 100,000	\$ 250,000	\$ 262,500	\$ 275,625	\$ 289,406	\$ 303,877
Gross Income	\$ 4,005,079	\$ 746,368	\$ 3,005,144	\$ 3,708,167	\$ 3,618,722	\$ 2,953,289	\$ 2,092,064	\$ 2,644,802	\$ 2,548,156	\$ 2,419,434
Misc. Income Deduct:										
Interest Payments	\$ 105,589	\$ 25,939	\$ 26,168	\$ 21,476	\$ 26,169	\$ 21,068	\$ 16,068	\$ 10,863	\$ 5,463	
Change in Fair Market Value of Investments		\$ 41,170								
Net Income	\$ 3,899,490	\$ 761,599	\$ 2,978,976	\$ 3,686,691	\$ 3,592,553	\$ 2,932,221	\$ 2,075,996	\$ 2,633,939	\$ 2,542,693	\$ 2,419,434
Restricted Cash Adjustments										
Contribution to Restricted Fund	\$ 70,147	\$ 354,697	\$ 300,000	\$ 1,121,792	\$ 1,300,000	\$ 1,100,000	\$ 700,000	\$ 750,000	\$ 750,000	\$ 800,000
PSC Ordered Customer OSS refund	\$ 3,978									
Final Adjusted Net Income	\$ 3,833,321	\$ 406,902	\$ 2,678,976	\$ 2,564,899	\$ 2,292,553	\$ 1,832,221	\$ 1,375,996	\$ 1,883,939	\$ 1,792,693	\$ 1,619,434
Tariff Sales - Rate Increase		1/1/2020 0.0%	1/1/2021 0.0%			1/1/2022 0.0%	1/1/2023 0.0%	1/1/2024 1.9%	1/1/2025 0.0%	1/1/2026 0.0%

		2019 Actual	2020 Actual	2021 Budget	2021 YTD	2021 Projection	2022 Budget
E701ENG	Power Plt Suprvn/Eng Expense	162,154	167,938	166,959	139,714	167,657	169,333
E701PPE	Power Plt Environmental Engineering	86,690	92,634	92,809	76,414	91,697	92,614
E701PPO	PowerPlt Operations Labor	1,000,351	965,564	950,000	744,415	893,298	902,231
E701LG	PPIt Natural Gas Labor Expense	34,789	34,799	36,434	29,754	35,705	36,062
E701PPC	Power Plt Misc Labor/Cleaner	30,054	32,091	33,095	27,926	33,511	33,846
E701TRN	PPIt Vocational Training	33,653	1,650	2,000	6,057	7,268	7,341
E701CS	Consumable Supplies & Expense	65,279	50,018	51,683	37,835	45,402	45,856
01-7010-00	Production Operations	76,208	(681)	-	-	-	-
E701S	Safety Expense	20,311	20,773	22,969	11,234	13,481	14,600
		1,509,489	1,364,786	1,355,948	1,073,349	1,288,019	1,301,883

Production Maintenance Expense

E703PBG	Repairs & Maint PPIt Building/Grounds	210,160	208,179	200,000	209,604	251,525	254,040
E703WD	Maintenance of Structures - Warner Da	1,107	1,315	1,992	94	113	2,000
E703B9	Repair & Maint Boiler No. 9	18,907	12,552	14,512	25,234	30,281	30,584
E703B10	Repair & Maint Boiler No. 10	14,510	28,381	23,231	20,788	24,946	25,195
E703HRSG	Repair Heat Recovery Steam Generator	48,910	14,587	20,243	23,175	27,810	79,000
E703FWA	Repairs to Boiler Feedwater Apparatus	21,556	40,787	58,679	18,846	22,615	22,841
E703CAIR	Repair & Maint Compressed Air Systerr	10,262	10,891	13,177	25,512	30,614	30,921
E703SA	Repairs to Steam Accessory Equipment	16,548	17,628	14,268	2,410	2,892	10,000
E703T5	Repair & Maint #5 Steam Turbine Gene	38,694	97,350	126,693	183,679	220,415	50,000
E703T6	Repair & Maint #6 Steam Turbine Gene	73,195	45,446	41,947	18,941	22,729	50,000
E703CT	Repairs to Cooling Towers	29,302	5,549	5,392	18,059	21,671	21,888
E703T7	Repairs Gas Turbine/Generator	357,080	229,416	195,744	208,099	249,719	200,000
E703ES	Repairs to Essential Service Equipment	10,573	2,725	3,151	9,208	11,050	11,160
E703PPD	Power Plant Drafting	53,268	13,720	20,786	1,103	1,324	
E703PL	Pipeline and Related O&M	336,361	296,295	357,979	230,502	276,602	279,368
E703WDPF	Repair & Maint Computer/WDPF Equip	11,427	25,545	23,748	32,909	39,491	39,886
E703MCC	MCC/Substation Maint PPIt	-	9,962	13,644	31,194	37,433	35,000
E703MST	Repairs & Maint Misc PPLT Equip/small	22,593	24,278	32,060	29,271	35,125	35,476
E703PINV	Plt Misc Inventory Maintenance items	1,212	14,592	17,535	9,982	11,978	12,098
E703PME	PPIt Mechanics/Electricians	126,340	205,142	228,006	150,504	180,605	182,411
E703GM	General Electrical Maintenance Power l	38,540	6,000	8,178	171	205	7,000
E703RO	Repairs & Maintenance		30,247	3,974	9,899	11,879	11,998
01-7030-00	Production Maintenance	(742)	(928)	(1,197)	(39)	(47)	
		1,439,803	1,339,659	1,424,941	1,259,145	1,511,021	1,390,865
TOTAL		2,949,292	2,704,445	2,780,890	2,332,494	2,799,040	2,692,749

Production - Environmental Expense

E705EC	Environmental Compliance Exp	13,430	21,106	31,271	8,634	10,361	15,000
E703CEM	Repair & Maint CEM Equipment	87,363	119,595	120,106	42,739	51,287	110,000
E70500281	Gen Environmental Support	14,682	5,121	7,758	2,552	3,062	25,000
E705PC	Emission Allowances and DEC fees	389,573	169,413	216,360	191,829	300,000	300,000
	Total - Environmental	383,316	315,235	375,496	245,754	364,710	450,000

Production - other variable expense

E701GAS	Natural Gas Cost/Analysis	4,043,586	1,489,673	2,273,906	2,292,811	3,200,000	4,000,000
E701GH	Loss on Gas Hedging (negative is a gain)	(78,724)	146,210	150,897	89,593	(250,000)	(500,000)
E701OIL	Fuel - Oil	-	-	-	105	126	
E701WTR	Water Treatment/Chemicals	169,285	96,095	132,084	79,942	140,000	140,000
E701UTL	Station Utilities Expense	200,205	143,622	186,978	103,941	187,000	188,000
	TOTAL- VARIABLES	4,334,352	1,875,600	2,743,865	2,566,392	3,277,126	3,828,000
	TOTAL ELECTRIC GENERATION	7,666,960	5,655,930	5,900,251	5,144,640	6,440,876	6,970,749

PURCHASE POWER expense

E705PP	Purchase Power**(see below)	13,170,018	13,902,951	14,398,300	12,654,542	15,185,450	15,580,000
	TOTAL PURCHASE POWER & ELECTRIC	20,836,978	19,558,881	20,298,551	17,799,182	21,626,326	22,550,749

Detail for E705PP Purchase Power

NYPA Invoices	5,274,551	5,665,033	5,901,647	4,701,557	5,700,000	\$ 5,700,000
National Grid	1,827,323	2,926,705	2,699,794	2,712,932	3,255,518	\$ 3,000,000
NYISO transmission charges	3,418,553	2,649,077	2,877,855	2,591,364	3,109,637	\$ 3,200,000
NYISO Supplemental Energy Charges	498,226	293,999	269,162	226,181	271,417	\$ 380,000
TCC Cost Allocation		474,266	500,116	364,911	500,000	\$ 500,000
Legal/Professional services	102,295	146,384	149,726	75,868	150,000	\$ 200,000
ZEC Expense paid to NYSERDA	2,049,070	1,401,209	1,600,000	1,981,729	2,378,075	\$ 1,900,000
REC Expense paid to NYSERDA		346,278	400,000		-	\$ 700,000
OREC Expense to NYSERDA		-				
Total	\$ 13,170,018	\$ 13,902,951	\$ 14,398,300	\$ 12,654,542	\$ 15,364,647	\$ 15,580,000

Production Expense Rate Recovery Breakdown

Production in base rate (Labor, materi	\$ 3,414,820	\$ 3,236,368	\$ 3,408,813	\$ 2,646,170	\$ 3,340,750	\$ 3,370,749
Production in FAC (Purchase Power)	\$ 13,067,723	\$ 13,756,567	\$ 14,248,574	\$ 12,578,674	\$ 15,214,647	\$ 15,380,000
Production - Split FAC/OSS/DH - (Fuel,	\$ 4,354,435	\$ 1,805,296	\$ 2,641,163	\$ 2,574,338	\$ 3,250,126	\$ 3,800,000

		<u>2019 Actual</u>	<u>2020 Actual</u>	<u>2021 Budget</u>	<u>2021 YTD</u>	<u>2021 Projection</u>	<u>2022 Budget</u>
E723DS	R&M Distribution Structures	\$ 287,465	\$ 152,286	\$ 161,466	\$ 103,504	\$ 117,605	\$ 150,000
E731E	Transmission Suprvn/Eng Expense	\$ 54,876	\$ 54,919	\$ 56,337	\$ 50,275	\$ 59,870	\$ 45,000
E732D	R&M Dow St. Substation	\$ 815	\$ 11,173	\$ 40,000	\$ 13,410	\$ 15,000	\$ 65,000
E741TDMT	T&D Metering Expense	\$ 25,501	\$ 48,804	\$ 52,838	\$ 75,536	\$ 80,000	\$ 80,000
E741LINE	T&D General Expense	\$ 431,738	\$ 499,849	\$ 441,095	\$ 319,020	\$ 405,000	\$ 500,000
E741ENG	T&D Suprvn/Eng Expense	\$ 692,059	\$ 685,621	\$ 730,216	\$ 626,717	\$ 701,660	\$ 650,000
E741TRM	Tree Trimming Expense	\$ 357,807	\$ 348,297	\$ 400,000	\$ 321,995	\$ 386,394	\$ 412,000
E741GO	T&D General Operating Expense	\$ 396,245	\$ 320,817	\$ 331,621	\$ 258,356	\$ 293,356	\$ 350,000
E741TRAN	Remove/Reset Transformers	\$ 39,842	\$ 122,909	\$ 83,210	\$ 93,162	\$ 92,000	\$ 100,000
E742SUB	R&M Distribution Substations	\$ 54,505	\$ 121,979	\$ 90,651	\$ 145,197	\$ 152,000	\$ 155,000
E742DE	R&M Distribution Equipment	\$ 461,228	\$ 535,609	\$ 490,000	\$ 438,210	\$ 490,000	\$ 500,000
	Total T & D	\$ 2,802,081	\$ 2,902,263	\$ 2,877,434	\$ 2,445,382	\$ 2,792,885	\$ 3,007,000
E752ML	R&M Municipal Street Lights	\$ 65,124	\$ 28,258	\$ 33,209	\$ 16,627	\$ 25,000	\$ 25,000
E752OSL	R&M Off-Street Lighting Expense	\$ 18,429	\$ 9,356	\$ 7,107	\$ 2,555	\$ 3,000	\$ 5,000
	Total Street Lights	\$ 83,553	\$ 37,614	\$ 40,316	\$ 19,182	\$ 28,000	\$ 30,000

Project Number	ACCOUNT TITLE	2019 Actual	2020 Actuals	2021 Budget	2021 YTD	2021 Projection	2022 Budget
E761CSS	Electric Cust Serv Suprvn	79,191	89,316	89,364	75,404	90,485	90,000
E761CSO	Electric Cust Serv Orders	223,299	207,065	210,229	199,837	233,612	205,000
E761CSM	Electric Meter Reading	30,765	31,000	32,500	22,801	25,671	30,000
E761CSC	Elect Cust Serv Collecting	91,581	64,447	66,434	72,772	87,326	90,000
E761CSB	Elect Cust Serv Billing	98,856	98,280	102,717	88,452	106,142	100,000
E761CS	Electr Cust Serv General Exp	117,475	155,282	149,810	104,602	125,522	130,000
01-7610-00	Meter Reading - Sup & Exp	128	4,561	928	109	131	200
E761IS	Cust Serv share of IS Dept	216,968	227,219	246,164	156,116	187,339	200,000
	Total Commercial Expense	858,263	877,170	898,146	720,093	856,229	845,200
	Administrative Expense						
E781ADM	Electric Administrative Gen Exp	368,384	366,538	375,000	351,357	421,628	375,000
E781HR	Electric Human Resources Dept	101,206	108,584	109,123	89,235	107,082	110,000
E781IS	Electric Information Serv Dept	156,866	163,104	182,640	103,335	124,002	140,000
E781ACT	Electric Accounting Dept	166,115	171,242	175,755	142,770	171,324	175,000
E781...	Admin Expense Special Projects	-	-	-	5,800	6,960	
E781...	Legal Expense Special Projects	122,866	8,936	75,000	11,888	14,266	65,000
E781MKT	Electric Marketing Expense	3,208	43,836	26,153	25,262	37,000	138,000
01-7810-00	Operations - Administrative	61,474	71,307	72,734	34,053	40,864	50,000
E781L	Legal Expense	56,211	54,229	60,000	41,162	49,394	55,000
	Total Administrative Expense	1,084,272	987,776	1,076,406	804,862	972,520	1,108,000
	Other General Expenses						
01-7850-00	Insurance	360,526	509,372	400,000	242,622	291,146	330,000
E783C	Claims Expense	4,287	12,599	1,000	1,086	1,303	2,500
01-7851-00	Workers Compensation	198,486	241,280	245,957	204,964	235,708	155,967
01-7831-00	Regulatory Commission Exp.	118,839	106,573	108,000	100,219	110,000	125,000
01-7833-00	Energy Efficiency Programs	425,036	195,300	435,000	71,658	435,000	435,000
01-7854-00	Employee's Retirement System	765,987	1,971,724	795,000	705,582	1,000,000	832,500
01-7852-00	Emp. Social Security Exp.	371,904	393,246	384,796	320,409	384,491	400,000
01-7853-00	Employee Health Insurance	116,814	317,388	750,000	573,233	725,000	825,000
E783U	Employee's Union Expense	7,298	264	323	177	2,500	2,500
E783S	Safety Expenses	76,557	85,547	89,343	63,095	75,714	85,000
E782BM	R&M Admin Bldg Steele St	124,872	119,693	112,008	100,377	120,452	120,000
E782SM	R&M Stores Warehouse	860	420	514	369	443	500
E782F	R&M Fiberoptic Special Projects	(53)	198	-	-	-	-
E782MS	Mowing/Snow removal Expense	62,735	30,577	50,000	68,612	70,000	70,000
01-7950-00	Uncollectible Expense	53,462	168	171	5,847	7,016	10,000
	Total Other General Expenses	2,687,610	3,984,350	3,372,113	2,458,250	3,458,774	3,393,967
	TOTAL A&G EXPENSE	3,771,882	4,972,125	4,448,519	3,263,112	4,431,294	4,501,967

<u>Power Generation Facility Improvements</u>	2020	2021	2022	2023	2024	2025	2026
Site Security	25,000	50,000	200,000	100,000	20,000	20,000	20,000
Cooling tower Pump & Downpipe Repair		120,000		120,000			
Cooling Tower VFD Replacement				50,000			
Cooling Tower Fill & Drift Eliminator Replacement			300,000				
Valve Rebuilds - HRSBG, FW #6 Stop Valve		60,000	60,000	100,000	150,000	150,000	100,000
Cooling Tower Basin Repair/Rehab		600,000	100,000	600,000			
G-Substation Replacement						200,000	
Buildings & grounds Improvements	25,000	25,000	25,000	25,000	250,000	25,000	25,000
1950 Front Door Ground Floor Façade				100,000	300,000		
1920's Bldg Fresh Air Intake System			200,000				
Power Plant Heating and GT Combustion Air Heating						250,000	
Solar on Roof of Power Plant			150,000				
Construction & Repair Sheet Piling Shore Wall N.W		155,000					
New Generation Project - Renewables/Solar	250,000	100,000	200,000	100,000	2,500,000	2,500,000	
Thermal Energy Storage for Renewable Generation						250,000	1,000,000
New Bridge Crane, Old Plant	65,000						
Eng. Design for replacement of all building lighting				50,000			
Replacement of all building lighting					125,000	125,000	
HRSBG Bldg Roof/ Pump House Roof/ Other Roof	450,000	375,000					200,000
Emergency Diesel Radiator Recore			50,000			600,000	
Emergency Services UPS Inverter-Charger				250,000			
ST# 6 Circ pumps	60,000						
Subtotal	\$ 875,000	\$ 1,485,000	\$ 1,385,000	\$ 1,395,000	\$ 3,345,000	\$ 4,120,000	\$ 1,345,000

Operations - Plant

Tools - Mechanics	15,000	15,000	15,000	15,000	15,000	15,000	15,000
09 Boiler Safety Replacement	45,000	45,000					
10 Boiler Safety Replacement	45,000	45,000					
Misc Facility Electrical, Mechanical, Instrument Upgrades	100,000	100,000	100,000	100,000	100,000	100,000	75,000
WDPF Replacement	165,000	165,000	190,000	50,000	25,000		
ST #6 Hydraulic Controls Refurb		130,000	130,000				
Deltak conversion to Allen Bradley PLC's				160,000			
Replace GT & HRSBG HMI's				160,000			
Spare AC Lube Oil Pump for GT			50,000				
GT Nox Water System Flowmeter			60,000		40,000		
GT Nat Gas Flowmeter Replacement						150,000	
Generator Primary Relay Replacements	15,000	50,000		50,000			
#6 Turbine Steam Sep./FOD trap	480,000						
North Stack (09 Boiler) Cone Repair					100,000		
LM6000 Bently Nevada Upgrade		120,000	140,000				
CEMs DAHS upgrade						75,000	
Steam Blow Down Line Replacement	25,000						
EDI Condensate Makeup, Treatment & Storage	15,000	15,000	20,000		100,000		
50 & 5 pound steam supply & control				50,000	100,000		
Generator Data Survey - Engineering Support	20,000	20,000		20,000			
Subtotal	\$ 925,000	\$ 705,000	\$ 705,000	\$ 605,000	\$ 480,000	\$ 340,000	\$ 90,000

Warner Dam

Warner Dam Security Cameras & Remote Operation	10,000						
Subtotal	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Natural Gas Pipeline Assets:

Mayville Compressor Station			\$ 20,000	\$ 10,000	\$ 10,000		
Oil Tank							
Compressor Overhaul & Inventory Purchase							
Compressor murphy Panel Upgrade							
General station Upgrades							
Heat Trace Replacement w/ Class appropriate ratings							
Station Controls (PLC, Software, Programming)	20,000	20,000					
Re-Circ Regulator * Requires Station Control Project	15,000	15,000					
Suction Regulator Replacement * Requires Station Control Project	15,000	15,000					
Cameras & DVR (Site, Storage, Compressor)	12,000						
Fire Valve Isolation & Testing	20,000	15,000					
Bypass							
Engineering	90,000						
Materials and Install							
PLC	15,000						
Regulator(s)	15,000						
Control Valve	20,000						
Pressure Sensors	22,000						
Relief Valve	10,000						
Piping/welding	100,000						
Integrators/Software	35,000						
Electrical	20,000						
Isolation of Assets							
Air Supply		20,000					
Land Purchase (Must execute by Fall 2021)			8,000				
Pain Compressor Yard Piping		45,000					
Utilities Bypass (Set up separate metering service to eliminate reliance on Emkey)				10,000			
Storage/office/communication building				180,000			
Mayville Compressor Station Subtotal	\$ 409,000	\$ 130,000	\$ 8,000	\$ 190,000	\$ -	\$ -	\$ -

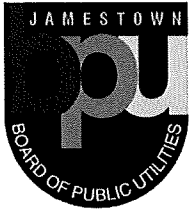
	2020	2021	2022	2023	2024	2025	2026
Pipeline			\$ 5,000	\$ 5,000			
Close Interval Survey Outcome Work If Needed (2020 Survey provided by Douglas)		20,000					
Rectifier Station Replacements (if needed)							
Pipeline Sub Total	\$ -	\$ 20,000	\$ -	\$ -	\$ -		
BPU Gas Skid			\$ 5,000	\$ 5,000			
Meter Replacement (Materials, Engineering, etc.)	50,000						
Pressure Sensors	10,000						
Filter Separator Rebuild (if needed)		5,000					
Re-paint/insulate? As needed, out of skid to plant entrance (BPU)		45,000					
National Fuel Alternate Supply	85,000						
BPU Gas Skid Sub Total	\$ 145,000	\$ 50,000	\$ -	\$ -	\$ -		
Overhaul Reserve Fund							
#7 Gas Turbine/HRSG Overhaul	40,000		40,000	40,000	2,500,000	40,000	700,000
GT Service Bulletin 310 - HPC Rotor Blade Replacement	85,000						
GT Service Bulletin 337 - HPC Stage 1 Blade Improvement	165,000						2,800,000
HRSG Overhaul	80,000						
#6 Steam Turbine Overhaul	80,000						
#5 Steam Turbine Overhaul	2,200,000	3,258,406					
Balance of Plant Equipment Overhaul							
Subtotal	\$ 2,650,000	\$ 3,258,406	\$ 40,000	\$ 40,000	\$ 2,500,000	\$ 40,000	\$ 3,500,000
Dismantling Fund							
Dismantling - Equipment	50,000	100,000	50,000	50,000	50,000	50,000	50,000
Remaining Coal Tower & Tube Demolition					650,000		
Cooling Tower Demolition		450,000					
Dismantling - Hazardous Materials	150,000	150,000	400,000	150,000	150,000	150,000	150,000
Subtotal	\$ 200,000	\$ 700,000	\$ 450,000	\$ 200,000	\$ 850,000	\$ 200,000	\$ 200,000
Projects Funded by Overhaul Reserve Fund	(2,650,000)	(3,258,406)	(40,000)	(40,000)	(2,500,000)	(40,000)	(1,564,446)
Projects Funded by Dismantling Fund	(200,000)	(700,000)	(450,000)	(200,000)	(850,000)	(200,000)	(200,000)
Generation Total	2,364,000	2,390,000	2,098,000	2,190,000	3,825,000	4,460,000	3,370,554

	2020	2021	2022	2023	2024	2025	2026
Dow Substation Equipment (1652)							
Relays 15 KV (T1,T2&T3) & Ties	\$ 20,000						
Relays 35 KV (T4&T5)	\$ 20,000						
Dow Street Upgrade						200,000	200,000
Equipment (Batteries/Chargers/Relays/PLC/Meters/Switches, Etc.)	\$ 10,000	\$ 5,000	\$ 16,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Dow Substation Equipment Total	\$ 50,000	\$ 5,000	\$ 16,000	\$ 10,000	\$ 10,000	\$ 210,000	\$ 210,000
Distribution Substations Equipment (1661)							
Relay Replacements Substations Plant	\$ 240,000	\$ 75,000	\$ 20,000				
SCADA System		\$ 5,000	\$ 125,000	\$ 150,000			
Remote Racking	\$ 32,000						
New Transformer Steele Sub					475,000		
New Transformer Allen Sub				\$ 475,000			
15Kv Switchgear Regent Sub		\$ 25,000	\$ 250,000				
15Kv Switchgear Newland Sub		\$ 25,000		\$ 250,000			
Equipment (Batteries/Chargers/Relays/PLC/Meters/Switches, Etc.)	\$ 24,000	\$ 24,000	\$ 80,000	\$ 24,000			
Mobile Substation						\$ 900,000	\$ 900,000
Distribution Substations Equipment Total	\$ 296,000	\$ 154,000	\$ 475,000	\$ 899,000	\$ 475,000	\$ 900,000	\$ 900,000
Poles Towers and Fixtures (1658)							
Pole/Hardware Standard Installation	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Pole/Hardware Standard Replacements	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Poles Towers and Fixtures Total	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000
Overhead Distribution Conductors (1663)							
Overhead Primary Standard Installation/Replacements/Conversions	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000
Overhead Secondary Standard Installation/Replacements	\$ 140,000	\$ 140,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Overhead Distribution Conductors Total	\$ 280,000	\$ 280,000	\$ 290,000	\$ 290,000	\$ 290,000	\$ 290,000	\$ 290,000
Overhead Services (1666)							
Install Overhead Standard Installations/Replacements	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Total Overhead Services	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Underground Conduits (1659)							
Standard installation/Replacements	\$ 60,000	\$ 25,000	\$ 175,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Total Underground Conduits	\$ 60,000	\$ 25,000	\$ 175,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Underground Cables (1664)							
Underground Primary Standard installation/replacements	\$ 360,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000
Downtown Switching (Pine/2nd/Cycle Shop)	\$ -			\$ 100,000			
Underground Secondary Standard installation/replacements	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Total Underground Cables	\$ 380,000	\$ 420,000	\$ 420,000	\$ 520,000	\$ 420,000	\$ 420,000	\$ 420,000
Underground Services	\$ 5,000	\$ 5,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Private Non-LED Street Lighting (1672)							
Private LED Street Lighting Installation							
Standard replacements/conversion	\$ 2,000	\$ 2,000					
Private Street Lighting Total	\$ 2,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -
Public LED Street Lighting (1673)							
LED Installations/Replacements (2000 Remaining Cobrahead)	\$ 200,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
Gooseneck Replacements (OH/UG)				\$ 200,000	\$ 200,000		
Ornamental Upgrades	\$ 15,000						
Washington St 2nd to 4th St.				\$ 100,000			
First St to 4th St				\$ 100,000			
Washington DOT - Reimbursed			\$ 30,000	\$ (30,000)			
W 3rd Street Lighting - Reimbursed			\$ 150,000	\$ (150,000)			
Foote Avenue Bridge - Reimbursed			\$ 100,000	\$ (100,000)			
Hopkins Avenue Bridge - Reimbursed			\$ 40,000	\$ (40,000)			
Public LED Street Lighting Total	\$ 215,000	\$ 2,500	\$ 322,500	\$ 82,500	\$ 202,500	\$ 2,500	\$ 2,500
Private LED Street Lighting (1674)							
Private LED Street Lighting Installation	\$ 25,000	\$ 10,000	\$ 10,000		\$ -	\$ -	\$ -
Private Street Lighting Total	\$ 25,000	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -
Fiber Optics							
Misc	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Fiber Optics Total	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Transformers							
Pole and Padmount Transformers Standard replacements/Conversions	\$ 200,000	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Transformers Total	\$ 200,000	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000

	2020	2021	2022	2023	2024	2025	2026
Metering							
General Replacements & Related Equipment	\$ -						
Meter Testing Equipment							
AMI	\$ 700,000	\$ 700,000	\$ 840,000	\$ -	\$ -	\$ -	\$ -
Metering Total	\$ 700,000	\$ 700,000	\$ 840,000	\$ -	\$ -	\$ -	\$ -
Tools - Testing Equipment							
Manhole Tools			\$ 8,000				
Test Equipment	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Tools - Testing Equipment Total	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Building							
Resurface Parking Lot	\$ 55,000	\$ 50,000	\$ 35,000	\$ 5,000	\$ -	\$ -	\$ -
Demo Harrison Street House			\$ 30,000	\$ 5,000			
Vehicle Total	\$ 250,000	\$ 35,000	\$ 535,500	\$ 501,000	\$ 685,000	\$ 300,000	\$ 200,000
T&D Total Capital Budget	\$ 2,873,000	\$ 2,243,500	\$ 3,824,000	\$ 3,042,500	\$ 2,817,500	\$ 2,857,500	\$ 2,757,500

	Budget 2020	Budget 2021	Budget 2022	Budget 2023	Budget 2024	Budget 2025	Budget 2026
General Office - Computer:							
Office Equipment	\$ 5,000	\$ 25,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	
General Computer and IT related Equipme	\$ 20,000	\$ 10,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 10,000
Server Replacement (Software Licensing)	\$ 25,000	\$ 10,000	\$ 25,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 25,000
UPS System		\$ 10,000	\$ -			\$ 10,000	
Disaster Recovery/Backup	\$ 60,000	\$ 15,000	\$ 20,000	\$ 10,000			\$ 10,000
Cyber Security	\$ 15,000	\$ 10,000	\$ 10,000	\$ 5,000			\$ 10,000
GIS Website	\$ 20,000	\$ 20,000	\$ 10,000	\$ 5,000	\$ 5,000	\$ 10,000	\$ 5,000
Electronic Document Archiving/Revisoning	\$ 100,000	\$ 75,000	\$ 15,000	\$ 10,000		\$ 10,000	
Website Content Management	\$ 10,000	\$ 5,000	\$ -	\$ 25,000		\$ 5,000	
Core Switch Upgrade		\$ 15,000	\$ 60,000	\$ 15,000	\$ 5,000		
Upgrade Phones/Call Center	\$ 5,000	\$ 5,000	\$ 20,000	\$ 5,000		\$ 5,000	
Substation Network Switch Upgrade	\$ -		\$ 20,000		\$ 10,000		\$ 10,000
SpryPoint	\$ 15,000	\$ 25,000		\$ 5,000		\$ 5,000	
Outage Management	\$ 25,000	\$ 20,000	\$ -				
Physical Security	\$ 20,000	\$ 100,000	\$ 90,000	\$ 10,000	\$ 10,000		\$ 10,000
Building Access Control				\$ 100,000			
New Letter Opener Machine	\$ 20,000	\$ 25,000					
Itron Meter Reading	\$ 15,000	\$ 10,000	\$ 10,000	\$ 50,000		\$ 10,000	\$ 5,000
Cogsdale Plus	\$ 40,000	\$ 15,000	\$ 40,000		\$ 40,000		
Scada Airwall Network Upgrade			\$ 15,000				
Air Handler in Todd's area	\$ 25,000			\$ 25,000			
Subtotal	\$ 420,000	\$ 395,000	\$ 355,000	\$ 305,000	\$ 110,000	\$ 95,000	\$ 85,000
Administrative:							
Business Development - Marketing Expens	\$ 77,500	\$ -	\$ -	\$ -	\$ -	\$ -	
Electric Rate Case		\$ -	\$ -	\$ 100,000			
Subtotal	\$ 77,500	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -
Vehicles							
Replace L5 - 2019 Transit Van						\$ 35,000	
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -
General Office & Administrative Total	\$ 497,500	\$ 395,000	\$ 355,000	\$ 305,000	\$ 110,000	\$ 130,000	\$ 85,000
Electric Generation Total	\$ 2,364,000	\$ 2,390,000	\$ 2,098,000	\$ 2,190,000	\$ 3,825,000	\$ 4,460,000	\$ 3,370,554
Transmission & Distribution Total	\$ 2,873,000	\$ 2,243,500	\$ 3,824,000	\$ 3,042,500	\$ 2,817,500	\$ 2,857,500	\$ 2,757,500
ELECTRIC DIVISION TOTAL CAPITAL	\$ 5,734,500	\$ 5,028,500	\$ 6,277,000	\$ 5,537,500	\$ 6,752,500	\$ 7,447,500	\$ 6,213,054

Vehicles	2020	2021	2022	2023	2024	2025	2026
2016 Ford F150 Pickup (Jim P.)					\$ 35,000		
2016 Ford Explorer (Dave L.)							
2007 Ford F150 Pickup (Charlie)							
2011 Ford F150 Pickup (Sean)		\$ 35,000					
2013 Ford F150 Pickup (Line Dept.)				\$ 35,000			
2016 Ford F150 Pickup (Chris R.)					\$ 35,000		
2015 Chevy Volt							
2014 Ford F150 Pickup (Dave P.)				\$ 35,000			
2015 Ford F150 Pickup (Steve H.)				\$ 35,000			
2015 Ford F150 Pickup (Outside Electricians)							
2017 Ford F550 Dump							
2015 Ford E350 Utility							
2014 International Bucket					\$ 275,000		
2015 Ford Transit Van							
2009 International Bucket							
2015 Ford F550 Bucket				\$ 296,000			
2009 International Bucket	\$ 250,000						
2012 International Bucket			\$ 288,000				
2016 Ford F550 Bucket							\$ 200,000
2015 Line Digger Truck						\$ 300,000	
2014 Line Digger Truck					\$ 300,000		
2014 Ford F150 Pickup (Toby N.)			\$ 40,000				
2016 Ford F150 Pickup (Chad)				\$ 40,000			
2016 Ford F150 Pickup (Paul)			\$ 40,000				
2017 Ford Transit Connect (Nolan)			\$ 40,000				
2016 Ford F150 Pickup (Ashley)					\$ 40,000		
JLG Boom Lift							
1979 Grove Crane							
2007 Altec Cable Trailer							
Vactor				\$ 60,000			
2001 Sauber Pole Trailer							
1995 Sauber Cable Trailer			\$ 20,000				
2000 Sauber Pole Trailer							
1995 Low Bed Trailer							
2007 Riley Touret Trailer							
2014 F350 Stake Body Pick up			\$ 68,600				
2000 Fiber Trailer							
2014 Altec Backyard Digger							
2005 Toyota Model Fork Truck							
2008 Large SkyJack Scissor Lift							
2008 Small SkyJack Scissor Lift							
1984 Forklift			\$ 38,900				
Transit Van							
2005 Toyota Fork Truck							
Vehicle Total	\$ 250,000	\$ 35,000	\$ 535,500	\$ 501,000	\$ 685,000	\$ 300,000	\$ 200,000



**BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN, NEW YORK**

#211207 By Mr. J. Olson:

Resolved, That the Electric Division Budget for 2022, anticipating cash and investments on hand of \$13,977,362, cash receipts of \$43,344,802, and cash disbursements of \$41,766,440, leaving a cash balance of \$15,545,724, be and hereby is adopted; and be it further

Resolved, That the disbursements shall be divided \$4,554,524 for Fixed Charges, \$6,277,000 for Capital Projects, and \$30,934,915 for Operation and Maintenance, all as set forth in said budget for 2022; and be it further

Resolved, That the amounts set forth in the budget schedules for the benefit of each account against which charges may properly be made, on file in the office of the Board, are hereby appropriated for the purposes therein stated, and the officers and employees of the Board are hereby authorized and directed to contract for necessary expenditures in accordance therewith.

Discussion: There is no rate case work planned for 2022.

ADOPTED. Ayes: 9 Nays: 0
December 20, 2021

***I HEREBY CERTIFY** that the above resolution is a true and correct copy of the original resolution adopted by the Board of Public Utilities, City of Jamestown, New York, at a regular session held December 20, 2021, a legal quorum being present and voting.*

*Board of Public Utilities
City of Jamestown, New York
December 21, 2021*

CERTIFIED RESOLUTION

Jamestown Board of Public Utilities