

Memo

To: David Leathers
From: Kelly Hawkins
Date: November 20, 2017
Re: 2018 Electric Division Budget

Please find the attached Budget Worksheets for the Electric Division. Included are the Cash Summary, Pro-forma Income Statement, Capital Projects, Expense Line Detail and Transportation Summaries for 2018 to 2022.

We are anticipating net income of \$3M for 2017 compared to a budgeted amount of \$1.97M. Tariff sales for 2017 are projected to be \$486K under budget and other revenues are expected to be \$82K, (7.8%) under budget. The Off System Sales revenue is projected to provide a total revenue of \$6.2M. This is \$3.3M less than the \$9.4M budget, for 2017.

Operating expenses are projected to be \$3.68M under budget, for 2017. The primary reason expenses in the division have remained so low is due to the production costs being under budget, due to less generation. Only Street Lighting expenses are currently projected to be over budget (\$13K).

The initial 2018 Draft Budget has no recommended rate increase. The projected tariff sales increase approximately \$491K while Off System sales are initially budgeted to decrease, from the 2017 projection, roughly \$287K. The increase in tariff sale revenue is primarily due to the lack of customer refund, in the FAC, in 2018. The expectation is the production expenses will remain in line with the 2017 projection. This is based on both, the expectations of the costs of Natural Gas as well as the expectation of the LM6000 runtime in 2018.

The 2018 capital projects budget is \$10.5M. Major items included are \$5.1M for purchase of Emkey Transportation natural gas pipeline, \$900K for new simple cycle stack construction, and \$600K for two replacement bucket trucks in the T&D Department. In addition to these major projects, there will also be standard capital maintenance and upgrades for transmission and distribution cable and poles.

Electric Division

Budget Worksheet

	Actual 2015	Actuals 2016	Budget 2017	2017 Projection	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Cash Balance January 1	12,823,927	9,173,027	10,087,721	13,098,108	15,544,299	8,062,503	6,976,452	8,035,723	10,577,996
Receipts:									
Tariff Revenues	31,114,370	31,684,783	32,701,108	32,214,776	32,706,601	33,681,873	34,018,691	35,652,214	36,145,895
Est. Off System Sales	9,705,306	8,932,688	9,422,676	6,152,405	5,865,379	5,865,966	5,866,553	5,867,139	5,867,726
Other Revenues	1,101,153	994,885	1,047,495	965,855	1,011,504	1,021,619	1,031,835	1,042,153	1,052,575
Interest	41,970	213,307	57,416	86,752	89,355	92,035	94,796	97,640	100,569
PSC Ordered Customer OSS Refund		865,652	954,938	865,652	0	0	0	0	0
Overhaul Expenditures Reimbursed from Restricted		2,766,419							
Bond Proceeds			2,000,000	2,000,000					
Expenditures:									
O & M	28,808,345	29,284,945	29,903,280	26,688,178	27,881,955	28,283,964	28,758,224	29,240,847	29,731,991
Taxes	552,078	540,756	564,993	546,417	549,149	554,641	560,187	565,789	571,447
Tax Equiv.-City	2,113,064	733,355	2,294,519	2,255,034	2,260,135	2,305,338	2,351,444	2,398,473	2,446,443
Tax Equiv.-School Bd.	1,384,490	1,395,061	1,409,012	1,423,102	1,437,333	1,451,706	1,458,965	1,502,734	1,510,247
Bond Principal	2,665,000	2,550,000	2,642,387	2,430,000	3,371,994	3,392,000	765,000	755,000	750,000
Bond Interest	662,948	405,467	477,488	360,019	252,869	151,369	48,069	38,769	26,669
Contribution to Restricted Fund	2,194,142	1,865,652	2,098,142	975,000	908,700	890,526	872,715	855,261	863,814
Capital Expend	9,128,043	4,323,936	9,911,500	5,161,500	10,492,500	4,718,000	5,138,000	4,760,000	4,338,000
Contribution to City General Fund		433,481							
Adjust to reconcile net income to cash	(770,590)								
Cash Balance December 31	9,173,027	\$ 13,098,108	\$ 6,970,033	\$ 15,544,299	\$ 8,062,503	\$ 6,976,452	\$ 8,035,723	\$ 10,577,996	\$ 13,506,150
Pro-Forma Income Statement									
Operating Revenue:									
Tariff Sales	\$ 31,114,370	\$ 31,684,783	\$ 32,701,108	\$ 32,214,776	\$ 32,706,601	\$ 33,681,873	\$ 34,018,691	\$ 35,652,214	\$ 36,145,895
Off System Sales	\$ 9,705,306	\$ 8,932,688	\$ 9,422,676	\$ 6,152,405	\$ 5,865,379	\$ 5,865,966	\$ 5,866,553	\$ 5,867,139	\$ 5,867,726
Rate Stabilization Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FAC Stabilization Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Revenues	\$ 1,101,153	\$ 994,885	\$ 1,047,495	\$ 965,855	\$ 1,011,504	\$ 1,021,619	\$ 1,031,835	\$ 1,042,153	\$ 1,052,575
NYP&A Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	41,920,827	\$ 41,612,356	\$ 43,171,279	\$ 39,333,036	\$ 39,583,484	\$ 40,569,457	\$ 40,917,079	\$ 42,561,507	\$ 43,066,195
Operating Expense:									
Production	\$ 20,380,053	\$ 20,295,398	\$ 21,594,093	\$ 18,237,920	\$ 19,248,485	\$ 19,472,213	\$ 19,764,296	\$ 20,060,760	\$ 20,361,672
Trans/Distribution	\$ 3,259,950	\$ 2,844,379	\$ 2,909,219	\$ 2,811,589	\$ 2,794,428	\$ 2,836,344	\$ 2,878,889	\$ 2,922,072	\$ 2,965,904
Street Lighting	\$ 113,436	\$ 123,535	\$ 106,403	\$ 120,285	\$ 122,090	\$ 123,921	\$ 125,780	\$ 127,666	\$ 129,581
Cust.Acctg & Coll	\$ 806,716	\$ 834,607	\$ 849,025	\$ 827,159	\$ 838,899	\$ 851,482	\$ 864,254	\$ 877,218	\$ 890,376
Admin. & Gen	\$ 4,248,190	\$ 5,187,026	\$ 4,444,541	\$ 4,691,224	\$ 4,878,053	\$ 5,000,005	\$ 5,125,005	\$ 5,253,130	\$ 5,384,458
Depreciation	\$ 5,041,320	\$ 5,086,338	\$ 5,465,405	\$ 5,043,829	\$ 4,993,391	\$ 5,038,331	\$ 5,083,676	\$ 5,134,513	\$ 5,185,858
Taxes	\$ 552,078	\$ 540,756	\$ 564,993	\$ 546,417	\$ 549,149	\$ 554,641	\$ 560,187	\$ 565,789	\$ 571,447
Tax Equiv.- City	\$ 2,113,064	\$ 2,128,416	\$ 2,294,519	\$ 2,255,034	\$ 2,260,135	\$ 2,305,338	\$ 2,351,444	\$ 2,398,473	\$ 2,446,443
Tax Equiv.-School Bd.	\$ 1,384,490	\$ 1,395,216	\$ 1,409,012	\$ 1,423,102	\$ 1,437,333	\$ 1,451,706	\$ 1,458,965	\$ 1,502,734	\$ 1,510,247
Total Expense	\$ 37,899,296	\$ 38,435,671	\$ 39,637,208	\$ 35,956,560	\$ 37,121,962	\$ 37,633,980	\$ 38,212,496	\$ 38,842,356	\$ 39,445,986
Net Electric Income	4,021,531	3,176,685	3,534,071	3,376,477	2,461,522	2,935,477	2,704,583	3,719,151	3,620,209
Other Income:									
PSC Ordered Customer OSS refund		476,000	954,938	865,652	-	-	-	-	-
Interest	\$ 41,970	\$ 213,307	\$ 57,416	\$ 86,752	\$ 89,355	\$ 92,035	\$ 94,796	\$ 97,640	\$ 100,569
Gross Income	4,063,501	3,889,992	\$ 4,546,425	4,328,881	\$ 2,550,877	\$ 3,027,513	\$ 2,799,379	\$ 3,816,791	\$ 3,720,779
Misc. Income Deduct:									
Interest Payments	\$ 662,948	\$ 405,467	\$ 477,488	\$ 360,019	\$ 252,869	\$ 151,369	\$ 48,069	\$ 38,769	\$ 26,669
Contribution to City of Jamestown-General Fund	\$ -	\$ 433,481	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contribution to Dismantling Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in Fair Market Value of Investments	\$ 105,100	\$ 44,223	\$ -	\$ 15,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -
Contribution to Restricted Fund	\$ 2,398,142	\$ 1,865,652	\$ 2,098,142	\$ 975,000	\$ 908,700	\$ 890,526	\$ 872,715	\$ 855,261	\$ 863,814
Net Income	897,311	\$ 641,169	\$ 1,970,795	2,978,862	1,384,308	1,980,618	1,878,595	2,922,761	2,830,296

Tariff Sales - Rate Increase	3/1/2016				1/1/2019	1/1/2020	1/1/2021	1/1/2022
	3.50%				3.5%	0.0%	4.5%	0.0%
\$	816,352				\$ 853,362	\$ -	\$ 1,152,477	\$ -

Electric Division

Production Operation and Maintenance Expense Analysis

		2015 Actual	2016 Actual	2017 Budget	2017 YE Projection	2018 Budget
Production Operation						
E70116ENG	Power Plt Suprvn/Eng Expense	198,967	195,055	212,660	272,292	222,105
E70116PPE	Power Plt Environmental Engineering	124,106	84,274	87,558	80,033	96,137
E70116PPO	PowerPlt Operations Labor	773,944	752,267	780,565	721,628	785,000
E70116LA	PPlt Ash Disposal Labor Expense	27,867	-	-	-	-
E70116LC	PPlt Coal Handling Labor Expense	23,803	-	-	-	-
E70116LG	PPlt Natural Gas Labor Expense	18,750	39,473	60,000	43,212	38,000
E70116PPC	Power Plt Misc Labor/Cleaner	41,443	16,370	24,051	27,855	28,412
E70116TRN	PPlt Vocational Training	749	23,460	40,000	30,873	25,000
E70116CS	Consumable Supplies & Expense	-	38,487	39,884	37,341	37,914
01-7010-00	Production Operations	-	-	-	-	-
E70116S	Safety Expense	105,925	2,011	10,000	16,991	17,245
		1,315,554	1,151,398	1,254,718	1,230,224	1,249,813
Production Maintenance						
E70316PBG	Repairs & Maint PPlt Building/Grounds	105,925	144,225	117,875	65,162	105,104
E70316WD	Maintenance of Structures - Warner Dam	-	257	1,500	-	1,000
E70316B9	Repair & Maint Boiler No. 9	19,528	17,752	20,000	44,259	24,036
E70316B10	Repair & Maint Boiler No. 10	25,560	16,523	20,000	25,781	14,126
E70316HRSG	Repair Heat Recovery Steam Generator	56,634	12,131	58,000	6,770	25,178
E70316FWA	Repairs to Boiler Feedwater Apparatus	55,161	16,158	40,000	14,981	28,767
E70316CAIR	Repair & Maint Compressed Air System	10,098	13,533	15,000	10,620	10,000
E70316FOS	Repairs to Fuel Oil System	12,853	25,353	20,000	380	10,000
E70316SA	Repairs to Steam Accessory Equipment	7,828	14,956	20,000	9,194	13,618
E70316T5	Repair & Maint #5 Steam Turbine Generator	24,454	31,013	30,000	10,199	27,451
E70316T6	Repair & Maint #6 Steam Turbine Generator	21,740	11,406	30,000	44,508	25,885
E70316CT	Repairs to Cooling Towers	13,736	41,144	35,000	744	18,542
E70316T7	Repairs Gas Turbine/Generator	188,543	270,768	260,000	179,781	295,000
E70316ES	Repairs to Essential Service Equipment	17,680	5,257	10,000	7,649	10,195
E70316WDPF	Repair & Maint Computer/WDPF Equipment	16,703	9,416	15,000	4,934	10,351
E70316DHP	Repairs to District Heating Production Equipment	51,140	40,883	45,000	56,774	-
E70316MST	Repairs & Maint Misc PPLT Equip/small tools	33,685	29,304	25,000	50,096	37,695
E70316PINV	Plt Misc Inventory Maintenance items	15,025	11,075	15,000	12,884	15,000
E70316PME	PPlt Mechanics/Electricians	186,162	93,893	150,000	110,345	130,133
E70316GM	General Electrical Maintenance Power Plant	-	-	-	39,123	55,000
01-7030-00	Production Maintenance	200,615	-	-	-	-
		1,322,250	808,510	929,375	694,178	857,081
	TOTAL	2,637,804	1,959,908	2,184,093	1,924,401	2,106,894
Production - Environmental						
E70516EC	Environmental Compliance Exp	76,827	68,650	70,000	71,000	72,159
E70316CEM	Purchase Renewable Energy Credits	-	-	-	-	-
E70500280	Repair & Maint CEM Equipment	-	99,706	65,000	120,000	109,853
E70500281	Title 5 renewal	-	-	15,000	-	-
E70516PC	Gen Environmental Support	27,746	38,037	35,000	37,000	34,261
	Emission Allowances	581,188	671,892	600,000	503,425	425,000
	Total - Environmental	685,761	878,286	785,000	731,425	641,273
VARIBLE COSTS						
E70116GAS	Natural Gas Cost/Analysis	6,036,707	4,798,352	5,950,000	5,159,085	4,978,719
E70116GH	Gain/Loss on Gas Hedging	-	323,886	-	30,000	30,000
E70116OIL	Fuel - Oil	-	12,204	30,000	10,000	20,000
E70116WTR	Water Treatment/Chemicals	195,652	374,637	120,000	150,000	130,000
E70116UTL	Station Utilities Expense	244,608	256,782	250,000	175,412	225,601
	TOTAL- VARIABLES	6,476,967	5,765,861	6,350,000	5,524,497	5,384,319
	TOTAL ELECTRIC GENERATION	9,800,532	8,604,054	9,319,093	8,180,323	8,132,487
PURCHASE POWER						
E70516PP	Purchase Power**(see below)	10,504,690	11,381,597	12,275,000	10,057,598	10,719,597
	TOTAL PURCHASE POWER & ELECTRIC GENERATION	20,305,222	19,985,651	21,594,093	18,237,920	19,248,485
Total Production Costs Excluding Fuel & Allowances						
Detail for E70516PP Purchase Power						
	NYP&A Invoices	\$ 5,879,911	\$ 5,646,589	\$ 5,800,000	\$ 5,543,057	\$ 5,671,528
	National Grid	\$ 1,398,885	\$ 1,948,835	\$ 2,000,000	\$ 2,068,155	\$ 2,034,078
	NYISO charges	\$ 3,082,312	\$ 3,666,156	\$ 4,325,000	\$ 1,643,574	\$ 2,359,287
	Legal/Professional services	\$ 143,582	\$ 120,016	\$ 150,000	\$ 130,283	\$ 150,141
	ZEC Expense paid to NYSERDA	-	-	-	\$ 670,329	\$ 895,165
	REC Expense paid to NYSERDA	-	-	-	\$ 2,201	\$ 5,800
	Total	\$ 10,504,690	\$ 11,381,597	\$ 12,275,000	\$ 10,057,598	\$ 11,115,999

Project Number	ACCOUNT TITLE	2015 Actual	2016 Actual	2017 Budget	2017 YTD	2017	
						Projection	2018 Budget
Transmission-Oper. Exp.							
E73113ENG	Transmission Superv. & Eng.	98,618	98,285	101,637	84,498	126,747	101,234
	Total Trans.-Oper. Exp.	98,618	98,285	101,637	84,498	126,747	101,234
Transmission-Maint. Exp.							
E73213D	R&M Dow St Substation	49,136	73,034	87,206	27,977	41,966	47,841
	Total Trans.-Maint. Exp.	49,136	73,034	87,206	27,977	41,966	47,841
Maintenance-Poles & Conduits							
E72313GR	R&M Grounding Equipment	35		-	-		
E72313PL	R&M Poles/Guys/Anchors	18,155	27,761	31,190	18,181	27,272	27,681
E723...	R&M Poles/Guys/Anchors Sp Proj			-	-	-	-
E72313UCM	R&M UGD Conduits/Manholes	48,539	46,237	58,621	79,888	95,866	50,000
	Total Maint.-Poles & Conduits	66,730	73,998	89,811	98,069	123,137	77,681
Distribution-Operation							
E74113ENG	T&D Dept Suprvn/Eng Expense	264,775	316,875	335,793	192,156	288,234	292,558
E74113LENG	Line Dept Suprvn/Eng Expense	249,891	201,164	225,200	138,539	207,809	210,926
E74113SENG	T&D Subst Suprvn/Eng Expense	119,577	115,688	128,713	79,512	119,268	121,057
E741...	T&D Dept Special Projects				-	-	-
E74113MP	T&D Maps & Records	70,796	89,764	74,130	48,334	72,501	73,589
E74113CM	Disposal-Contaminated Material	3,220	3,681	4,421	606	909	923
E74113FE	Field Electricians General Expense	60,443	67,772	62,258	57,424	86,136	87,428
E74113GIS	Electric GIS Operating Expense	33,355	18,625	24,143	18,716	28,074	28,495
E74113MSS	Monitoring Substations Labor	217,220	231,346	252,248	155,544	233,316	236,816
E74113OUTG	Outage Investigation Expense	4,909	9,682	978	4,083	6,125	6,216
E74113SINP	Substation Monthly Inspections	12,650	9,682	11,544	5,270	7,905	8,024
E74113SPCC	SPCC Inspections-Substations	7,582	5,060	6,606	4,446	6,669	6,769
E74113TFO	Remove/Reset OVH Line Transfs	45,412	88,051	67,253	44,509	66,764	67,765
E7413TFU	Remove/Reset UGD Line Transfs	6,046	30,041	2,240	9,752	14,628	14,847
E74113LINE	Lineworkers General Expense	390,722	301,566	324,892	222,954	334,431	351,447
E74113TRN	T&D Vocational Training Expense	105,990	97,042	108,659	47,866	71,799	72,876
E74113TRM	Tree Trimming Expense	237,447	205,601	240,000	168,449	252,674	256,464
E74113UFPO	Electric UFPO Request Expense	82,611	63,498	71,919	24,511	36,767	37,318
E74113SW	Distribution Switching Expense	9,338	9,509	11,586	7,045	10,568	10,726
E74113SS	Spotting Service Location Expense	2,936	3,397	3,328	2,756	4,134	4,196
E74113SVI	Stray Voltage Inspections	26,801	11,564	6,645	3,079	4,619	4,688
E74113MTR	General Metering Expense	6,739	16,037	14,336	19,076	28,614	18,000
E74113MTRI	Inst/Rem Meters & Related Equipmt	18,122	20,422	22,683	18,344	22,013	22,344
E74113CSP	Repair/Test Customer Premises	6,795	6,169	6,501	6,199	9,299	9,438
E74113MTRT	Testing Consumers Meters	27,242	26,564	29,058	20,374	30,561	25,000
	Total Distribution-Operation	2,010,622	1,948,798	2,035,133	1,299,544	1,943,813	1,967,908
Distribution-Maintenance							
E74213..	R&M Substations	198,960	140,389	47,575	93,728	112,474	125,000
E74213POH	R&M Primary OVH Conductors	197,182	126,208	175,286	82,206	123,309	125,159
E742P...	R&M Primary OVH Cond-Sp Proj			-	-	-	-
E74213SOH	R&M Secondary OVH Conductors	86,253	71,274	84,241	58,297	87,446	88,757
E74213PUG	R&M Primary UGD Conductors	47,786	13,665	19,864	12,010	18,015	18,285
E74213SUG	R&M Secondary UGD Conductors	10,117	10,532	12,636	12,397	14,876	15,100
E74213S..	R&M Secondary OVH Cond-Sp Proj			1,831	-	-	-
E74213TF	R&M OVH/UGD Transformers	26,271	84,870	50,000	36,168	43,402	44,053
E742T...	R&M OVH/UGD Transf-Sp Proj			-	-	-	-
E74213SVO	R&M Overhead Services	82,749	112,143	119,041	68,963	103,445	104,996
E74213SVU	R&M Underground Services	5,189	753	1,819	21,428	25,714	26,099
E74213SV..	R&M Overhead Services-Sp Proj			1,289	-	-	-
E74213MDE	R&M Misc Distribution Equipment	7,092	7,717	8,498	2,898	4,347	4,412
E74213SWO	R&M OVH Switching Equipment	1,885		236	8,289	12,434	12,620
E74213SWU	R&M UGD Switching Equipment	-		-	186	279	283
E74213TL	General Tool & Tool Repair	43,435	41,723	38,562	25,156	30,187	35,000

Electric Division

O M Budget Worksheets

Project Number	ACCOUNT TITLE	2015 Actual	2016 Actual	2017 Budget	2017 YTD	2017 Projection	2018 Budget
01-7430-00	T&D Distribution - other		40,990	34,553		-	-
	Total Distr.-Maintenance	706,920	650,263	595,431	421,726	575,926	599,764
	TOTAL T & D	2,932,026	2,844,379	2,909,219	1,931,815	2,811,589	2,794,428
	Street Lighting-Maintenance						
E75213MRO	R&M OVH Municipal Road St Ltgs	51,820	71,249	50,868	57,884	69,461	70,503
E75213..	R&M OVH Municipal Road Sp Proj	1,467		173		-	-
E75213MPO	R&M OVH Municipal Park St Ltgs	121	1,036	1,162	1,788	2,682	2,722
E75213PRO	R&M OVH Private St Lights	6,540	7,817	7,063	5,103	7,655	7,769
E75213MRU	R&M UGD Municipal Road St Ltgs	39,461	40,315	43,384	26,539	39,809	40,406
E75213MPU	R&M UGD Municipal Park St Ltgs	1,856	3,118	3,753	453	680	690
	Total Street Lighting-Maint.	101,264	123,535	106,403	91,767	120,285	122,090
	TOTAL STREET LIGHTING	101,264	123,535	106,403	91,767	120,285	122,090

Electric Division

O M Budget Worksheets

Project Number	ACCOUNT TITLE	2015 Actual	2016 Actual	2017 Budget	2017 Projection	2018 Budget
E76113CSS	Electric Cust Serv Suprvn	41,784	42,513	39,695	77,404	78,565
E76113CSO	Electric Cust Serv Orders	202,324	228,311	217,730	217,530	223,020
E76113CSM	Electric Meter Reading	54,024	64,984	60,772	40,107	40,709
E76113CSC	Elect Cust Serv Collecting	107,614	96,888	212,052	94,726	116,147
E76113CSB	Elect Cust Serv Billing	121,007	101,041	96,392	117,671	97,837
E76113CS	Electr Cust Serv General Exp	124,922	121,138	160,501	103,374	104,925
01-7610-00	Meter Reading - Sup & Exp				1,328	1,000
E76113IS	Cust Serv share of IS Dept	154,983	178,371	243,503	175,020	176,696
	Total Commercial Expense	806,658	833,246 834,607	1,030,643	827,159	838,899
	Administrative Expense					
E78113ADM	Electric Administrative Gen Exp	314,129	332,718	615,090	299,004	401,479
E78113HR	Electric Human Resources Dept	97,150	94,331	141,168	106,484	109,146
E78113IS	Electric Information Serv Dept	102,063	121,225	164,649	138,173	141,627
E78113ACT	Electric Accounting Dept	174,074	230,312	304,573	182,177	186,731
E781...	Admin Expense Special Projects		15,906	17,094	9,963	10,212
E781...	Legal Expense Special Projects		122,458	131,824	95,000	98,000
01-7810-00	Operations - Administrative				27,041	27,717
E78113L	Legal Expense	45,770	89,173	129,584	75,721	81,779
	Total Administrative Expense	733,186	1,006,123	1,503,982	933,561	1,056,690
	Other General Expenses					
01-7850-00	Insurance	284,750	311,732	420,580	321,972	338,071
E78313C	Claims Expense	-	-	-	281	1,000
01-7851-00	Workers Compensation	308,163	299,597	184,163	189,903	234,598
01-7831-00	Regulatory Commission Exp.	71,746	141,436	154,020	159,128	143,215
01-7833-00	Energy Efficiency - Tariff Sales	407,696	491,902	645,993	512,183	450,000
01-7854-00	Employee's Retirement System	513,920	1,111,150	744,191	741,234	782,950
01-7852-00	Emp. Social Security Exp.	368,396	357,050	554,142	360,809	366,929
01-7853-00	Employee Health Insurance	1,152,072	1,078,005	1,347,881	1,100,000	1,125,038
E78313U	Employee's Union Expense	5,850	5,697	9,265	377	2,500
E78313S	Safety Expenses	172,998	142,244	164,507	177,194	177,194
E78213BM	R&M Admin Bldg Steele St	154,796	130,884	218,114	128,802	128,802
E78213SM	R&M Stores Warehouse	3,217	2,340	4,028	3,801	3,915
E782F	R&M Fiberoptic Special Projects	-	-	-	-	-
E78213FB	R&M Fiberoptic Cable	5,910	5,939	9,072	5,756	8,802
E78213FBS	Splicing Fiberoptic Cable	-	-	-	8,226	8,349
E78213MS	Mowing/Snow removal Expense	52,761	48,178	43,325	48,000	50,000
01-7950-00	Uncollectible Expense		54,639	-		
	Total Other General Expenses	3,502,275	4,180,793	4,499,280	3,757,663	3,821,363
	TOTAL A&G EXPENSE	4,235,460	5,186,916	6,003,262	4,691,224	4,878,053

Electric Division

Production Capital Expenditures

Power Generation Facility Improvements	2018	2019	2020	2021	2022
Site Security	50,000	10,000	10,000	10,000	10,000
Cooling tower Pump Downpipe Replacement	160,000	80,000			
Cooling Tower VFD Replacement	30,000				
G-Substation Replacement			200,000		
Replace Elevator Power Plant					
Buildings & grounds Improvements	50,000	50,000	250,000	50,000	50,000
Construction & Repair Sheet Piling Shore Wall N.W	128,000				
New Generation Project - Engineering Studies				200,000	1,000,000
New Bridge Crane, Old Plant	50,000				
Eng. Design for replacement of all building lighting		50,000			
Replacement of all building lighting		100,000	100,000	50,000	50,000
HRSB Bldg Roof/ Pump House Roof/ Other Roof				300,000	100,000
Blackstart Generator					
Subtotal	\$ 468,000	\$ 290,000	\$ 560,000	\$ 610,000	\$ 1,210,000
Operations - Plant					
Tools - Mechanics	20,000	10,000	10,000	10,000	10,000
Misc Facility Electrical, Mechanical, Instrument Upgrades	100,000	100,000	100,000	100,000	100,000
WDPF Replacement	250,000	50,000			
Deltak conversion to Allen Bradley PLC's		150,000			
Primary Natural Gas Pipeline Improvements	10,000	100,000	100,000	100,000	100,000
Emkey Asset Purchase	5,150,000				
#6 Turbine Steam Sep./FOD trap	250,000				
North Stack (09 Boiler) Cone Repair	85,000				
Simple Cycle Stack Repair					
Combined Cycle stack inspection	15,000				
New Combined Cycle Stack			1,250,000		
New Simple Cycle Stack	900,000				
CEMs DAHS upgrade		25,000			
GT CEM Analyzer					
Subtotal	\$ 6,780,000	\$ 435,000	\$ 1,460,000	\$ 210,000	\$ 210,000
Overhaul Reserve Fund					
#7 Gas Turbine/HRSB Overhaul	40,000	40,000	40,000	3,290,000	40,000
Brush Generator Major Overhaul				125,000	
#6 Steam Turbine Overhaul					
#5 Steam Turbine Overhaul		2,207,000			
Balance of Plant Equipment Overhaul					
Subtotal	\$ 40,000	\$ 2,247,000	\$ 40,000	\$ 3,415,000	\$ 40,000
Dismantling Fund					
Dismantling - Equipment	50,000	100,000	50,000	50,000	50,000
Dismantling - Building & Grounds					
Sheet Pile Removal Chadakoin	150,000				
Coal Dump Building Demolition	60,000				
Coal Tower & Tube Demolition	300,000				
Cooling Tower Demolition			300,000		
Combined Cycle Stack Demolition			200,000		
Simple Cycle Stack Demolition	200,000				
Dismantling - Hazardous Materials	150,000	100,000	100,000	100,000	100,000
Subtotal	\$ 910,000	\$ 200,000	\$ 650,000	\$ 150,000	\$ 150,000
Projects Funded by Overhaul Reserve Fund	\$ (40,000)	\$ (2,247,000)	\$ (40,000)	\$ (3,415,000)	\$ (40,000)
Projects Funded by Dismantling Fund	\$ (910,000)	\$ (200,000)	\$ (650,000)	\$ (150,000)	\$ (150,000)
Generation Total	\$ 7,248,000	\$ 725,000	\$ 2,020,000	\$ 820,000	\$ 1,420,000

Electric Division

Transmission and Distribution Capital Expenditures

Description	2018	2019	2020	2021	2022
Transmission Substation Equipment					
15 KV Mains & Ties - 35 KV					
35 KV Switchgear					
Batteries/Chargers/Relays/PLC/Meters/Switches	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
T&D Substation Equipment Total	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Distribution Substation Equipment					
Relay Replacements Substations Plant	\$ 240,000				\$ 75,000
Plant			\$ 85,000		
Plant/Newland/Regent/Steele/Allen	\$ 50,000	\$ 16,000			
New Transformer/Switchgear English Sub		\$ 1,750,000			
New Transformer Huxley Sub			\$ 450,000		
New Transformer			\$ 450,000		
DC Generator	\$ 25,000				
Wifi/Fault Indicators/Cameras/Fobs/Smart Grid	\$ 10,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 30,000
Mobile Substation				\$ 900,000	
Substation Upgrade Projects Regent & Newland				\$ 600,000	
Batteries/Chargers/Relays/PLC/Meters	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Distribution Substation Equipment Total	\$ 340,000	\$ 1,801,000	\$ 1,020,000	\$ 1,535,000	\$ 120,000
Poles Towers and Fixtures					
Pole/Hardware Standard Installation	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Pole/Hardware Standard Replacements	\$ 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
Distribution Substation Equipment					
Overhead Primary Standard installation/Replacem	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000
Overhead Secondary Standard installation/Replacem	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 150,000
Distribution Substation Equipment Total	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 290,000
Overhead Services					
Install Overhead Standard installations/Replacem	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Total Overhead Services	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Underground Conduits					
Standard installation/Replacements (2017 include	\$ 75,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 30,000
Total Underground Conduits	\$ 75,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 30,000
Underground Cables					
Standard installation/replacement/conversions	\$ 400,000	\$ 360,000	\$ 360,000	\$ 370,000	\$ 400,000
Nelson Bos./Cycle Shop/Ultrasonics	\$ 100,000				
Covenant Manor Transformer/Sec Swgr		\$ 85,000			
Pine St. Switch	\$ 60,000				
Installation - Comedy Center					
Reimbursement					
Black Bear/ SCOB Backup Feed				\$ 100,000	\$ 100,000
Underground Distribution Equipment				\$ 20,000	\$ 20,000
Underground Dist. Standard installation/replacem	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Total Underground Cables	\$ 580,000	\$ 465,000	\$ 380,000	\$ 490,000	\$ 520,000
Underground Services	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 50,000
Public Street Lighting					
Standard installation/replacements/LED upgrades					
Standard installation replacements					
Gooseneck replacement			\$ 100,000	\$ 100,000	\$ 200,000
Washington St 2nd to 4th St.		\$ 100,000			

Electric Division

Transmission and Distribution Capital Expenditures

No projects planned

Power connections, no lights

Installation

Reimbursement

Total Underground Cables

\$	-	\$	100,000	\$	100,000	\$	100,000	\$	200,000
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Private Street Lighting

Standard replacements/conversion

\$	7,500	\$	10,000	\$	11,000	\$	12,000	\$	13,000
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Private Street Lighting Total

\$	7,500	\$	10,000	\$	11,000	\$	12,000	\$	13,000
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Public LED Street Lighting

City Project Installation

\$	480,000
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City Project Reimbursement

\$	(480,000)
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Ellicott Project

\$	260,000
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\$	(45,000)
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Falconer Project

\$	140,000
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Stranded reimbursement

\$	(23,000)
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Install Public Lighting OH

\$	30,000	\$	200,000	\$	200,000	\$	200,000	\$	20,000
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\$	362,000	\$	200,000	\$	200,000	\$	200,000	\$	20,000
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Fiber Optics

English substation/Huxley substation

\$	5,000
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Misc

\$	5,000	\$	5,000	\$	5,000	\$	5,000	\$	5,000
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Fiber Optics Total

\$	5,000	\$	10,000	\$	5,000	\$	5,000	\$	5,000
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Transformers

Pole and Padmount Transformers Standard repla

\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000
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Transformers Total

\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000
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Smart Metering

~200 bridge meters plus misc equipment

\$	45,000	\$	47,000	\$	47,000	\$	48,000	\$	50,000
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Meter Total

\$	45,000	\$	47,000	\$	47,000	\$	48,000	\$	50,000
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Tools - Testing Equipment

\$	15,000	\$	15,000	\$	15,000	\$	15,000	\$	15,000
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Building

\$	-	\$	-	\$	-	\$	-	\$	-
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Electric Division

Administrative and General Capital Expenditures

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
General Office - Computer:					
PC Replacement/Additions/Office 365	\$ 5,000	\$ 10,000	\$ 5,000	\$ 20,000	\$ 10,000
Server Replacement (Software Licensing)	\$ 20,000	\$ 25,000		\$ 10,000	\$ 10,000
UPS System	\$ 10,000		\$ 20,000		\$ 20,000
Disaster Recovery	\$ 5,000	\$ 10,000		\$ 10,000	\$ 10,000
Security		\$ 5,000		\$ 5,000	\$ 5,000
GIS Website	\$ 10,000	\$ 10,000		\$ 10,000	\$ -
Electronic Document Archiving/Revisioning	\$ 30,000		\$ 5,000		
Website Content Management	\$ 50,000	\$ 50,000		\$ 5,000	\$ 5,000
Core Switch Upgrade	\$ 10,000			\$ 60,000	\$ 60,000
Upgrade Phones	\$ 20,000				
Substation Network Switch Upgrade		\$ 20,000			
SpryPoint	\$ 60,000				
Outage Management	\$ 20,000		\$ 10,000		
Vocantas IVR Upgrade					
Itron Meter Reading		\$ 70,000	\$ 20,000		
Cogsdale Plus		\$ 40,000		\$ 40,000	
Admin Building Roof	\$ 325,000				
Subtotal	\$ 565,000	\$ 240,000	\$ 60,000	\$ 160,000	\$ 120,000
Administrative:					
Electric Rate Case		\$ 100,000		\$ 100,000	
Subtotal	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ -
Funded by LBC Projects					
Vehicles					
Replace L2 & L9 w 2016 Ford Pickup Trucks		\$ 30,000			
Replace L5 - 2009 Chrysler Town & Country		\$ 30,000			
Subtotal	\$ -	\$ 30,000	\$ -	\$ -	\$ -
General Office & Administrative Total	\$ 565,000	\$ 370,000	\$ 60,000	\$ 260,000	\$ 120,000
Electric Generation Total	\$ 7,248,000	\$ 725,000	\$ 2,020,000	\$ 820,000	\$ 1,420,000
Transmission & Distribution Total	\$ 2,679,500	\$ 3,593,000	\$ 3,058,000	\$ 3,680,000	\$ 2,798,000
ELECTRIC DIVISION TOTAL CAPITAL	\$ 10,492,500	\$ 4,718,000	\$ 5,138,000	\$ 4,760,000	\$ 4,338,000



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

#171107 By Mr. Lehman:

Resolved, That the Electric Division Budget for 2018, anticipating cash and investments on hand of \$15,544,299, cash receipts of \$39,627,839, and cash disbursements of \$47,145,634, leaving a cash balance of \$8,062,503, be and hereby is adopted; and be it further

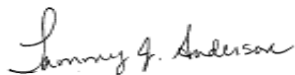
Resolved, That the disbursements shall be divided \$8,780,180 for Fixed Charges, \$10,492,500 for Capital Projects, and \$27,881,955 for Operation and Maintenance, all as set forth in said budget for 2018; and be it further

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 increase in 2018. Mr. Leathers said there is quite a bit of capital spending in 2018, which includes primarily anticipation of the EmKey assets pipeline purchase, along with a few other major capital items. Over the 5 year projection, however, spending is controlled to try to rebuild cash in this division.

ADOPTED. Ayes: 8 Nays: 0
November 20, 2017

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 November 20, 2017, a legal quorum being present and voting.



Board of Public Utilities
City of Jamestown, New York
December 19, 2017

CERTIFIED RESOLUTION

Jamestown Board of Public Utilities