

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – December 2019



Issued: 30 January 2020

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Dec-19	YTD FY2020	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Dec-19	FY2020	Dec-19	FY2020
Revenue	672,402	2,087,257	0.510	0.528	0.456	0.471
Variable Costs	352,503	1,019,245	0.267	0.258	0.239	0.230
Fixed Costs	239,156	613,251	0.181	0.155	0.162	0.138
Total Expenses	591,660	1,632,496	0.449	0.413	0.401	0.368
Operating result	80,743	454,761	0.061	0.115	0.055	0.103
		kWh				
Power generation	1,475,863	4,430,443				
Diesel	1,416,194	4,234,743				
Solar	59,669	195,700				
Solar PV as % of Total Generation	4.0%	4.4%				
Avoided Cost of Fuel - US\$	12,729	42,238				
Tons of CO ₂ Avoided	41.0	136.0				
Government Sales	231,114	675,320	Feeder	Conns	Dec-19	FY2020
Commercial Sales	646,430	1,986,762	F1	505	341,446	1,046,640
Residential Sales	371,489	1,100,251	F2	490	123,125	344,218
Intercompany Sales	70,087	200,478	F3	400	376,821	1,125,450
Sales Accrual	0	-10,658	F4	393	327,287	954,524
Total Sales	1,319,121	3,952,154	F5	502	144,995	434,827
Power Loss	10.6%	10.8%	Total	2,289	1,313,674	3,905,659
Operating ratio	0.91	0.78	NB - Error on Total and Feeder sales YTD is <1.2%; 15,438 kWh station use is not included			
Water Produced - Gallons	19,986,600	60,107,700				
Water Sold - Gallons	8,184,183	28,329,369				
Non Revenue Water	59.1%	52.9%				

Daily generated output in December was 47,608 kWh/day; 0.5% lower than November. Average daily sales were 42,552 kWh/day – 0.9% lower than November. Total power loss was 10.6% (10.8% YTD).

Average fuel efficiency for December was 14.77 kWh/gallon.

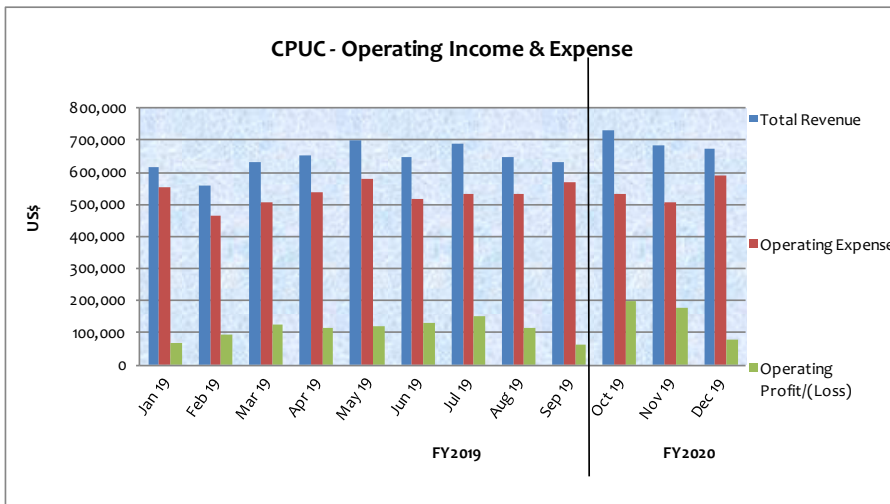
The split of power users for total sales throughout December was as follows:

Government – 17.5%; Commercial – 49.0%; Residential – 28.2%; Intercompany 5.3 %; Accrual 0.0%;

Solar PV generation increased in December to 59,669 kWh or 4.0% of total generation. The avoided cost of fuel was US\$12,729 and the amount of Carbon Dioxide avoided was 41.0 tons.

The November operating result was US\$80,743 or 0.91; with a positive OR after depreciation and interest of US\$ 108,965 YTD this is building on the efficiency gains put in place by management in 2019.

1 FINANCIAL PERFORMANCE GRAPHS

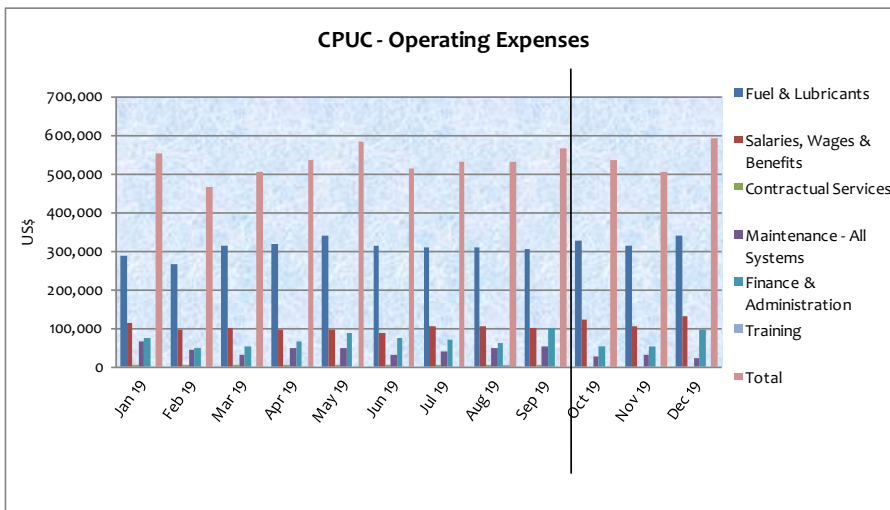


1.1 Key Points:

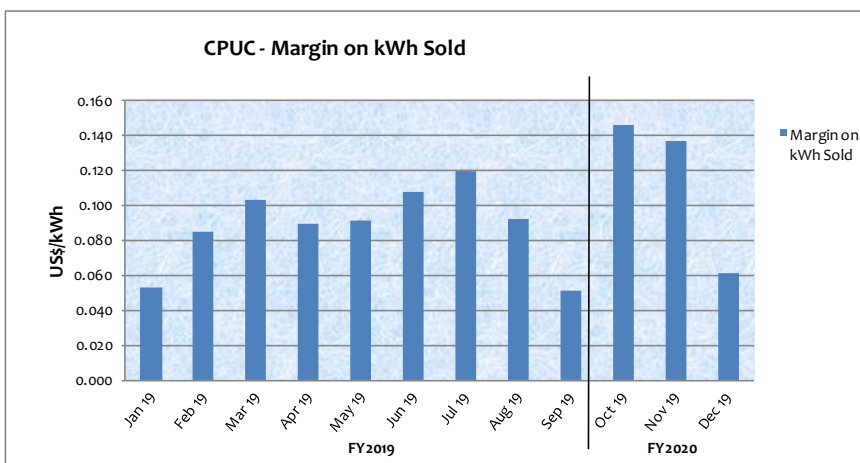
FY2020 Operating income before Depreciation & Interest :

FY2020
US\$454,761

Operating ratio:
FY2020 0.78;

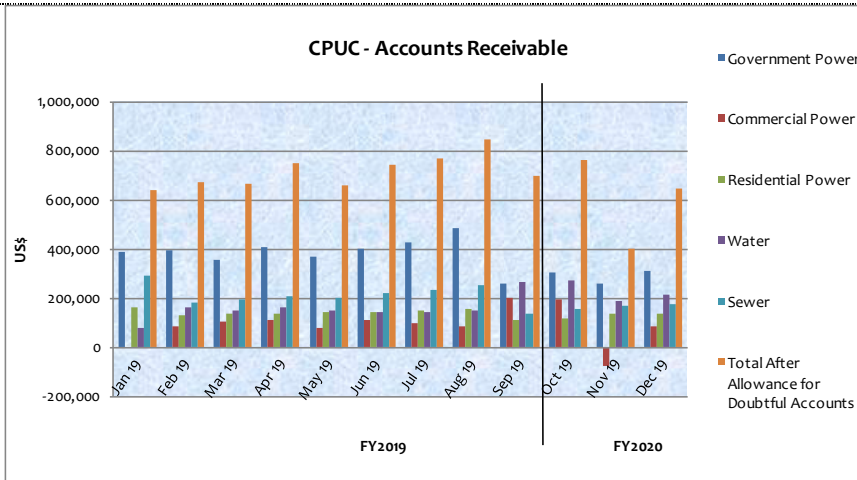


1.2 Key Points:

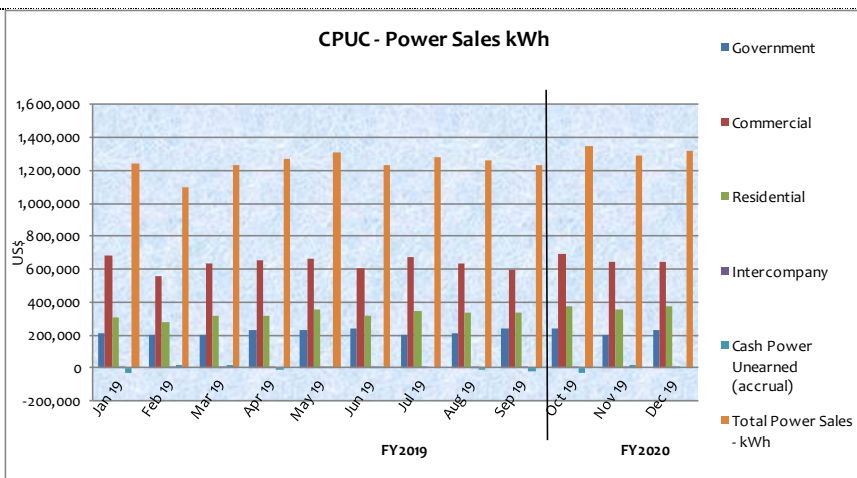


1.3 Key Points:

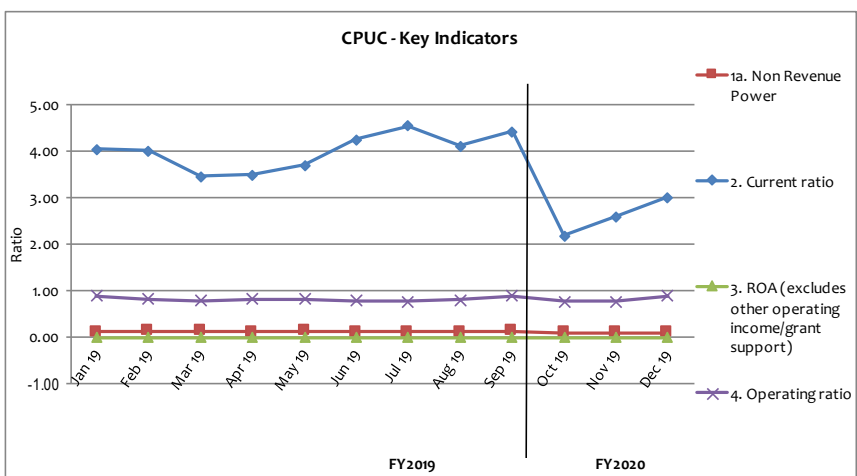
YTD US\$0.089 kWh sold.



1.4 Key Points:

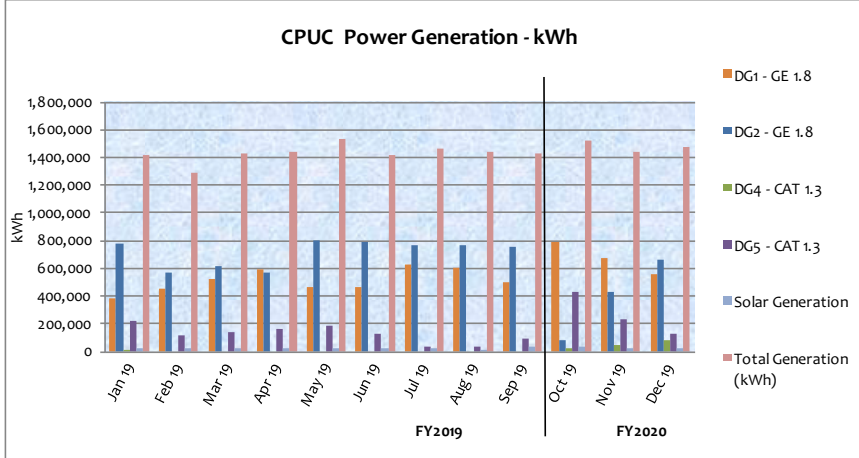


1.5 Key Points:

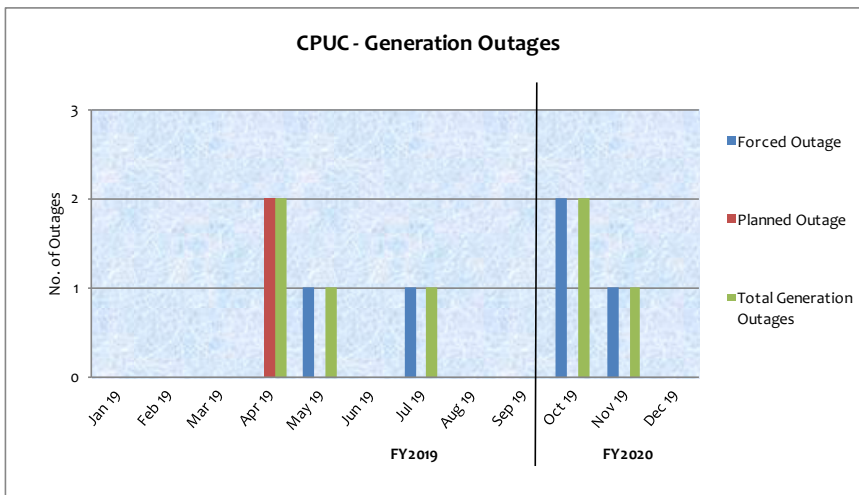


1.6 Key Points:

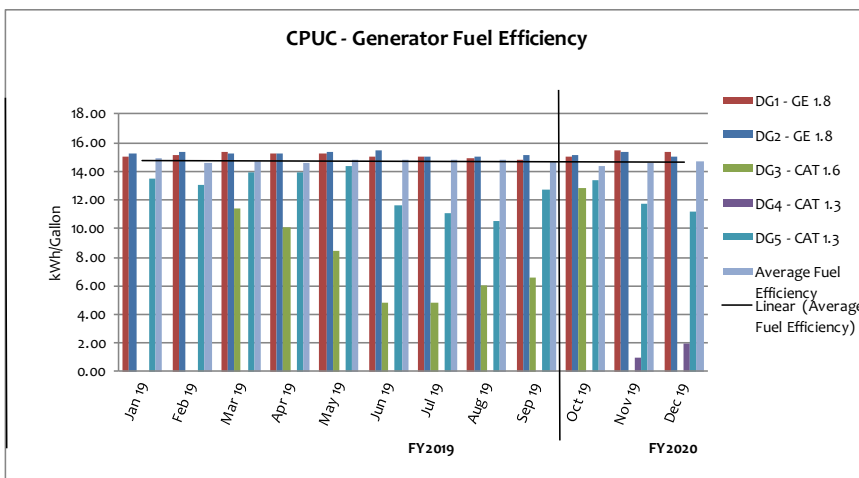
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:



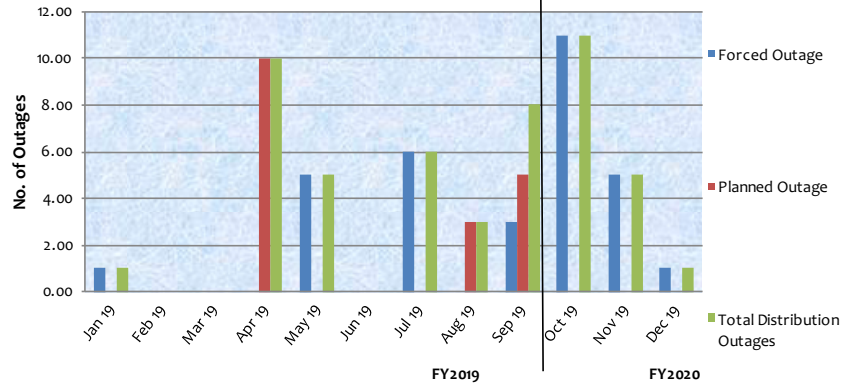
2.2 Key Points:



2.3 Key Points:

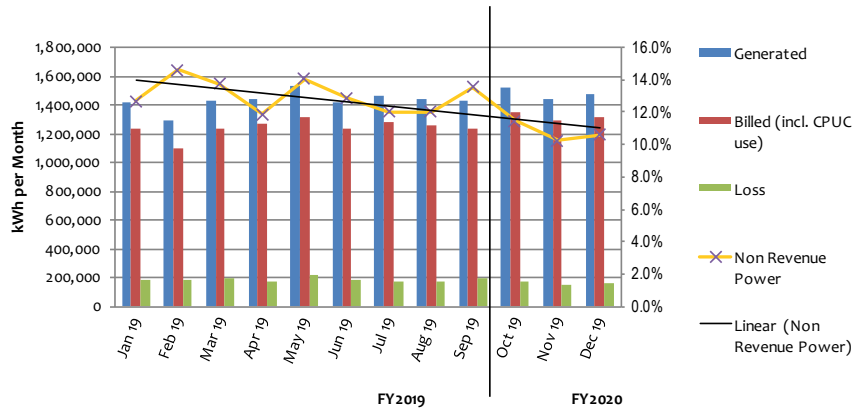
Avg fuel efficiency in FY2020 14.54 kWh/gall.

CPUC - Distribution Outages



2.4 Key Points

CPUC - Monthly kWh Generation & Usage Analysis

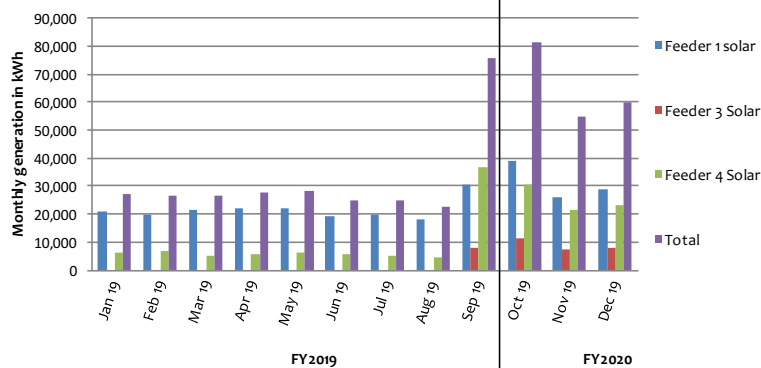


2.5 Key Points:

Power loss for December 2019 – 10.6%;

YTD 10.8%;

CPUC - Solar PV Systems Output



2.6 Key Points:
Following completion of the WB solar PV project (additional 400 kWp of solar PV)

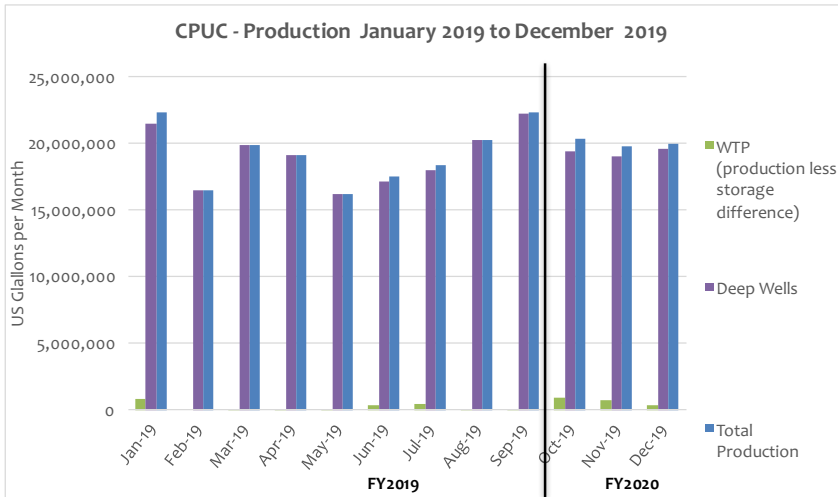
Solar PV accounted for 4.0% of CPUC generation in December;

The avoided cost of fuel was:
US\$12,729

Avoided Tons of CO₂ was 47.1 Tons;

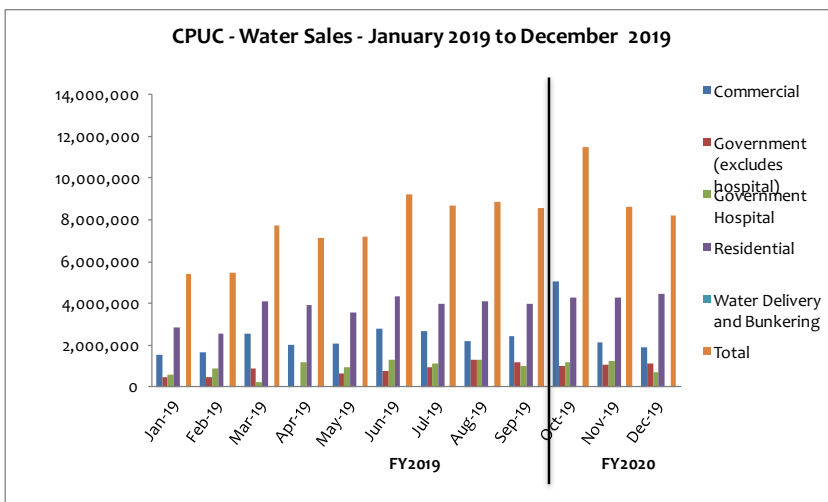
3

WATER PERFORMANCE GRAPHS

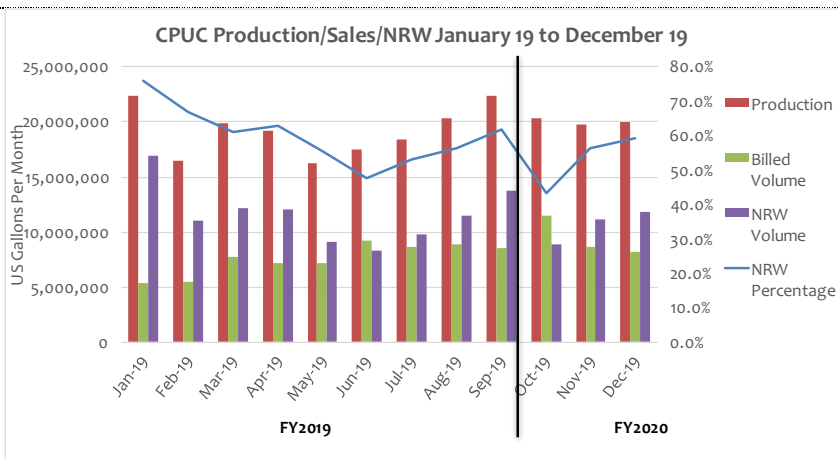


1 Key Points:

28 wells are capable of production; system in process of being optimized to balance production with demand;



Key Points:



Key Points:

Financial Table1 P & L Statement – January 2019 to December 2019

Revenue - US\$	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Operating revenue:														
a. Power Sales	571,992	506,873	568,002	594,657	623,984	584,423	607,271	586,974	563,399	614,741	601,355	609,757	7,018,756	1,825,854
b. Water Sales	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	32,908	30,271	337,219	109,421
c. Sewer Sales	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	16,653	11,556	172,002	50,932
d. Other operating revenue	15,090	21,352	20,829	9,348	34,898	10,349	30,511	9,708	21,194	47,474	32,758	20,819	208,790	101,050
Revenue - Total	617,162	559,307	632,439	650,709	701,637	648,847	686,776	647,007	631,154	731,180	683,675	672,402	7,736,766	2,087,257
Expenses - US\$														
Fuel & Lubricants	289,207	267,204	312,148	318,439	338,876	314,459	309,642	309,098	306,466	328,534	315,199	338,732	3,799,614	982,464
Salaries, Wages & Benefits	114,829	97,726	102,212	97,018	98,743	90,353	107,044	105,970	102,394	122,607	106,746	132,481	1,179,800	361,834
Contractual Services	5,039	4,723	5,762	4,996	5,316	5,077	5,298	5,372	4,992	0	0	0	73,902	0
O&M - Power Generation	44,696	32,945	5,747	10,542	21,962	14,283	18,010	22,190	24,300	5,271	7,758	7,570	209,237	20,600
O&M - Power Distribution	4,237	3,130	12,231	12,053	10,265	4,302	3,741	8,258	5,713	8,579	13,343	5,132	97,075	27,054
O&M - Water	3,616	220	5,726	5,154	3,710	996	1,551	2,026	10,659	1,524	963	1,919	41,704	4,405
O&M - Sewer	795	62	262	0	421	600	0	6,025	36	0	64	2,047	9,921	2,110
Finance & Administration Overheads	62,013	38,878	39,494	52,298	77,357	63,218	57,763	45,990	84,748	44,063	42,864	82,437	691,996	169,364
Vehicle & Eq. Fuel	14,678	10,798	9,244	23,045	13,952	10,860	17,865	11,034	12,789	12,400	7,913	7,569	157,624	27,883
CPUC Power Usage (incl. in O&M from Oct 15)	12,511	9,879	12,206	13,066	10,970	11,705	11,967	14,380	15,451	11,369	11,640	13,772	154,062	36,781
Training	0	0	0	0	0	0	0	146	0	0	0	0	146	0
Expense - Total	551,620	465,565	505,033	536,611	581,571	515,853	532,881	530,488	567,548	534,346	506,490	591,660	6,415,080	1,632,496
Operating Income/(Loss)	65,542	93,742	127,406	114,097	120,065	132,994	153,895	116,518	63,606	196,834	177,184	80,743	1,321,686	454,761
Non-Cash Expenses - US\$														
Depreciation	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	-115,228	110,553	110,553	110,553	1,188,491	331,659
Interest Expense	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	26,320	4,712	4,712	4,712	83,390	14,137
Non-Cash Expense - Total - US\$	123,708	123,708	123,708	123,708	123,708	123,708	123,708	123,708	-88,909	115,265	115,265	115,265	1,271,881	345,796
Net Income/(Loss) - excluding grant support - US\$	-58,166	-29,966	3,698	-9,611	-3,643	9,286	30,187	-7,190	152,515	81,569	61,919	-34,523	49,806	108,965
Non-operating Income (Grant Support) - US\$	28	-1,417	0	26,571	-27,657	0	14,194	-4,802	154,012	3,875	100	4,906	0	8,881
Net Income/(Loss) - including grant support - US\$	-58,139	-31,382	3,699	16,960	-31,300	9,286	44,381	-11,992	306,527	85,444	62,019	-29,617	49,806	117,847

Financial Table 2 Cash Flow and A/R Report – January 2019 to December 2019

Cash Flow Report - US\$	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Receipts	495,964	502,977	560,338	571,094	752,602	536,996	616,328	478,101	733,594	696,175	485,013	353,595	6,993,347	1,534,783
Disbursements	685,740	482,306	815,182	469,484	520,832	525,879	716,012	418,765	435,517	765,524	436,275	610,983	6,590,718	1,812,782
Net receipts/Disbursements	-189,776	20,671	-254,844	101,610	231,770	11,117	-99,683	59,336	298,077	-69,349	48,738	-257,388	402,629	-277,999
Cash balance (beginning)	1,352,861	1,163,085	1,183,756	928,912	1,030,522	1,262,292	1,273,409	1,173,725	1,233,061	1,531,138	1,461,789	1,510,527	1,128,509	1,531,138
Cash balance (end)	1,163,085	1,183,756	928,912	1,030,522	1,262,292	1,273,409	1,173,725	1,233,061	1,531,138	1,461,789	1,510,527	1,253,139	1,531,138	1,253,139
Other Financial Data - US\$														
Cash in Hand	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694	1,694
Cash in Banks (Bank Overdraft)	1,161,391	1,182,062	927,218	1,028,828	1,260,598	1,271,715	1,172,031	1,231,367	1,529,444	1,460,095	1,508,834	1,251,445	1,529,444	1,251,445
Stocks	1,365,090	1,166,243	1,044,682	1,095,392	1,085,816	1,203,022	1,230,406	1,283,714	1,195,812	1,238,083	1,248,598	1,318,648	1,195,812	1,318,648
Trade Receivable	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	400,602	645,973	698,514	645,973
Prepaid Lease	286,766	284,735	282,703	280,671	278,640	276,608	274,576	272,545	269,879	267,817	265,756	263,694	269,879	263,694
Collateral with Vital Inc.	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	356,424	649,881	356,424
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	939,856	915,763	948,973	1,005,347	985,819	907,996	838,841	974,661	921,301	1,878,938	1,463,333	1,184,206	921,301	1,184,206
Loans Payable	3,933,976	3,936,453	3,936,453	3,927,640	3,927,640	3,940,136	3,777,534	3,773,435	3,855,776	3,856,389	3,857,003	3,857,616	3,855,776	3,857,616
Total Accounts Receivable (to date) - US\$														
Government Power	385,375	393,099	356,369	408,056	366,946	402,465	425,435	484,014	256,352	306,623	258,904	309,013	256,352	309,013
Commercial Power	0	86,794	105,986	108,470	79,490	113,226	95,490	85,852	201,305	192,522	-74,706	85,190	201,305	85,190
Residential Power	161,590	131,111	133,425	137,780	140,179	143,299	150,849	153,848	113,464	118,368	138,429	139,125	113,464	139,125
Water	77,608	160,233	151,706	163,463	150,682	139,937	141,361	149,569	265,746	268,594	187,729	211,066	265,746	211,066
Sewer	289,004	178,583	193,229	209,061	199,443	217,467	232,854	249,370	137,211	154,133	165,810	177,143	137,211	177,143
Allowance for Doubtful	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564
Total	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	400,602	645,973	698,514	645,973

Financial Table 3 Power Sales Report – January 2019 to December 2019

Power Sales Report	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019 YTD	FY2020 YTD
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	87,369	73,785	78,489	89,656	89,941	86,253	78,496	76,883	81,013	73,834	68,515	68,227	963,911	210,576
Government - Pre Paid (Cash Power)	33,519	34,643	29,986	42,001	40,141	39,592	26,309	35,142	45,122	46,967	26,723	40,855	457,692	114,545
Government Streetlights	3,083	3,083	3,083	2,940	3,038	2,941	3,038	3,038	2,940	3,038	2,940	3,038	36,293	9,017
Solar	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	2,680	2,788	2,788	47,979	8,257
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Total	127,969	115,510	115,556	138,596	137,118	132,784	111,841	119,062	133,074	126,520	100,966	114,909	1,505,875	342,395
Commercial - Post Paid	265,051	211,671	239,394	255,743	258,844	240,595	267,872	240,669	230,215	243,113	228,596	234,092	2,953,579	705,801
Commercial - Pre Paid (Cashpower)	88,719	70,336	90,016	90,529	94,978	90,697	93,796	99,586	78,824	106,176	83,183	75,751	1,080,406	265,110
Commercial - Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	353,770	282,008	329,410	346,272	353,822	331,292	361,668	340,255	309,039	349,289	311,779	309,843	4,033,986	970,911
Residential - Post Paid	6,237	6,070	7,327	7,085	5,880	4,501	3,973	5,380	6,211	6,234	6,411	6,053	73,621	18,698
Residential - Pre Paid (Cashpower)	132,124	114,831	136,588	137,594	156,856	141,797	155,624	149,087	145,643	155,492	137,200	146,764	1,723,466	439,456
Residential Scratch Card Sales	11,435	17,956	13,746	15,623	16,637	15,382	16,674	15,302	17,543	18,249	14,506	14,526	188,513	47,281
Residential Total	149,796	138,857	157,661	160,302	179,373	161,680	176,271	169,769	169,397	179,975	158,117	167,343	1,985,600	505,435
Trade Power Sales Total	631,536	536,375	602,627	645,170	670,313	625,756	649,780	629,087	611,510	655,784	570,863	592,095	7,525,461	1,818,741
Intercompany - CPUC Office	1,131	1,188	1,417	1,417	1,520	1,434	1,443	1,730	1,428	1,625	1,608	1,209	16,965	4,442
Intercompany - CPUC Power Operation	3,034	3,101	3,461	3,517	3,252	3,324	3,633	3,163	3,090	3,449	3,168	2,681	38,006	9,298
Intercompany - CPUC Water Operations	5,834	4,371	5,075	6,720	5,641	5,412	5,477	5,885	6,105	5,482	5,642	5,353	69,124	16,477
Intercompany - CPUC Sewer Operations	6,677	5,508	7,131	6,346	5,329	6,293	6,490	8,495	9,346	5,887	5,998	8,418	84,938	20,304
Cash Power UnEarned	-15,070	8,515	6,464	-7,116	1,248	1,182	2,070	-1,101	-8,550	-13,369	14,077	0	-13,411	708
Provision on Rate Refund	-61,149	-52,185	-58,173	-61,397	-63,319	-58,977	-61,621	-60,285	-59,530	2,680	2,788	2,788	-702,328	
Total Power Sales - US\$	571,992	506,873	568,002	594,657	623,984	584,923	607,271	586,974	563,399	661,538	604,144	612,545	7,018,756	1,878,227
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	143,735	125,383	132,491	149,022	152,036	154,814	140,930	139,618	151,356	142,289	138,483	138,682	1,655,387	419,454
Government - Pre Paid (Cash Power)	61,133	64,309	54,779	75,583	71,680	70,486	47,515	63,919	82,025	89,223	53,456	82,055	820,299	224,735
Government - Street Lights	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	124,524	31,131
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Total	215,245	200,069	197,647	234,982	234,094	235,676	198,822	213,914	243,758	241,889	202,316	231,114	2,600,210	675,320
Commercial - Post Paid	519,204	419,500	463,469	488,861	487,611	442,981	493,900	448,454	445,765	482,158	475,171	487,922	5,582,156	1,445,251
Commercial - Pre Paid (Cashpower)	167,933	135,601	170,678	168,992	175,885	167,430	175,747	187,969	148,697	209,668	173,334	158,508	2,009,351	541,511
Commercial Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	687,137	555,101	634,148	657,853	663,496	610,411	669,647	636,423	594,462	691,827	648,505	646,430	7,591,507	1,986,762
Residential - Post Paid	12,874	12,412	14,671	13,976	11,492	8,802	7,774	10,643	12,675	13,553	14,268	13,210	144,944	41,031
Residential - Pre Paid (Cashpower)	265,203	235,021	274,659	272,140	307,620	277,165	309,023	298,353	291,286	326,389	304,957	327,671	3,395,343	959,017
Residential Scratch Card Sales	26,220	28,717	27,348	32,598	32,434	32,142	30,657	30,460	32,839	37,560	32,036	30,608	369,106	100,204
Residential Total	304,297	276,150	316,678	318,714	351,546	318,109	347,454	339,456	336,800	377,501	351,261	371,489	3,909,393	1,100,251
Trade Power Sales Total	1,206,680	1,031,320	1,148,473	1,211,548	1,249,136	1,164,196	1,215,922	1,189,793	1,175,020	1,311,217	1,202,083	1,249,034	14,101,110	3,762,334
Intercompany - CPUC Office	4,488	4,714	5,624	5,624	6,031	5,689	5,727	6,864	5,665	6,447	6,380	4,798	67,321	17,625
Intercompany - CPUC Power Operation	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	12,571	10,640	150,819	36,897
Intercompany - CPUC Water Operations	23,152	17,345	20,139	26,666	22,385	21,476	21,733	23,354	24,226	21,754	22,389	21,243	274,303	65,386
Intercompany - CPUC Sewer Operations	26,495	21,857	28,296	25,183	21,147	24,973	25,754	33,711	37,087	23,362	23,802	33,406	337,056	80,570
Cash Power Unearned (accrual)	-33,182	14,290	14,106	-11,940	3,183	2,497	0	-2,787	-16,195	-31,992	21,334	0	-28,820	-10,658
Total Power Sales - kWh	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	1,232,020	1,283,551	1,263,488	1,238,066	1,344,474	1,288,559	1,319,121	14,901,789	3,952,154

Financial Table 4 Water Sales Report – January 2019 to December 2019

Water/Sewer Sales Report	Jan 19	Feb 19	Mar 19	Mar 20	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec	FY2019	FY2020 YTD
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	4,945	6,628	5,740	10,312	8,252	11,075	10,159	12,735	10,722	10,965	11,212	9,216	97,425	31,392
Commercial	6,239	8,195	12,287	10,538	11,067	13,812	12,413	10,018	10,925	23,856	10,731	9,631	126,928	44,218
Residential	7,050	3,634	10,933	10,022	8,799	11,163	11,034	11,055	11,104	11,422	10,965	11,424	112,866	33,811
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	32,908	30,271	337,219	109,421
Sewer Sales - US\$														
Government	2,341	3,193	2,621	4,903	3,888	5,212	4,737	6,085	5,082	5,140	5,311	4,232	46,111	14,682
Commercial	6,981	7,093	9,172	8,109	8,109	9,972	9,335	8,176	7,065	14,818	8,324	5,081	96,201	28,223
Commercial with No Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential	2,523	2,340	2,853	2,820	2,638	2,840	1,316	2,255	1,663	2,765	3,018	2,243	29,690	8,026
Residential with No Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sewer Sales	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	16,653	11,556	172,002	50,932
Total Water & Sewer Sales	30,079	31,082	43,607	46,703	42,754	54,075	48,994	50,324	46,562	68,965	49,562	41,827	509,221	160,353
Water Sales - Gallons														
Government	1,017,996	1,581,229	1,171,324	2,082,353	1,676,591	2,820,480	2,062,463	2,573,732	2,168,805	2,217,890	2,266,142	1,864,998	20,597,070	6,349,030
Commercial	1,741,160	1,475,740	2,527,990	2,172,440	2,290,800	2,240,915	2,541,618	2,071,859	1,991,420	4,837,672	2,212,519	1,983,716	25,588,330	9,033,907
Residential	2,627,420	2,720,160	4,090,082	3,757,416	3,337,700	4,136,772	4,067,450	4,190,115	4,126,504	4,451,291	4,159,672	4,335,469	43,836,459	12,946,432
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,386,576	5,777,129	7,789,396	8,012,209	7,305,091	9,198,167	8,671,531	8,835,706	8,286,729	11,506,853	8,638,333	8,184,183	90,021,859	28,329,369

Financial Table 5 Key Performance Indicators – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
1a. Non Revenue Power	12.7%	14.6%	13.8%	11.9%	14.0%	12.9%	12.0%	12.0%	13.6%	11.5%	10.3%	10.6%	13.7%	10.8%
Total Power Generated - kWh	1,419,536	1,290,507	1,426,566	1,442,047	1,529,633	1,414,079	1,458,882	1,435,835	1,432,266	1,518,766	1,435,814	1,475,863	17,267,831	4,430,443
Total Power Billed - kWh	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	1,232,020	1,283,551	1,263,488	1,238,066	1,344,474	1,288,559	1,319,121	14,901,789	3,952,154
Generation Loss (actual from Jun 17)	22,614	23,842	24,392	25,454	25,480	24,504	25,321	24,268	17,928	20,133	18,951	15,436	284,350	54,520
Distribution Loss Derived - kWh	121,762	132,571	136,137	109,505	151,124	122,203	113,538	112,183	140,466	116,190	92,409	104,410	1,649,996	313,008
Commercial Loss (assumed 2.5%) - kWh	35,488	32,263	35,664	36,051	38,241	35,352	36,472	35,896	35,807	37,969	35,895	36,897	431,696	110,761
Total Loss - kWh	179,864	188,675	196,193	171,011	214,846	182,058	175,330	172,348	194,200	174,292	147,255	156,742	2,366,042	478,289
Distribution loss %	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	7.8%	9.8%	7.7%	6.4%	7.1%	9.6%	7.1%
1b. Non Revenue Water	76.1%	64.9%	60.6%	58.0%	55.0%	48.7%	52.9%	56.4%	62.9%	43.4%	56.3%	59.1%	63.4%	52.9%
Water Produced (million gallons)	22.50	16.48	19.79	19.07	16.25	17.93	18.41	20.28	22.32	20.34	19.78	19.99	246	60
Water Billed (million gallons)	5.39	5.78	7.79	8.01	7.31	9.20	8.67	8.84	8.29	11.51	8.64	8.18	90	28
2. Current ratio	4.06	4.01	3.47	3.51	3.71	4.26	4.56	4.12	4.42	2.19	2.60	3.02	4.42	2.60
	3.86	3.77	3.22	3.24	3.46	3.98	4.29	3.85	4.18	2.07	2.48	2.81	4.18	2.48
	6.64	12.31	9.69	10.56	11.28	12.16	10.33	11.54	11.52	5.62	6.82	10.16	11.52	6.82
	8.42	6.85	6.73	8.14	7.89	8.56	7.98	7.67	4.68	2.26	3.20	4.46	4.68	3.20
3. ROA(excludes other operating income/grant support)	0.01%	0.09%	0.26%	0.22%	0.25%	0.28%	0.38%	0.22%	0.88%	0.33%	0.26%	-0.14%	3.1%	0.5%
Power Business	0.41%	0.34%	0.59%	0.56%	0.61%	0.56%	0.74%	0.55%	0.36%	0.44%	0.40%	0.01%	6.2%	0.9%
Water Business	-2.07%	-0.30%	-0.75%	-0.98%	-0.88%	-0.24%	-0.36%	-0.50%	5.25%	1.07%	0.62%	-0.07%	-3.1%	1.7%
Sewer Business	-1.09%	-0.90%	-0.91%	-0.96%	-1.05%	-0.84%	-1.05%	-1.08%	1.69%	-0.45%	-0.54%	-0.90%	-9.2%	-1.9%
4. Operating ratio	0.89	0.83	0.80	0.82	0.83	0.80	0.78	0.82	0.90	0.78	0.78	0.91	0.83	0.78
Power Business	0.82	0.81	0.76	0.78	0.79	0.77	0.74	0.78	0.83	0.77	0.75	0.86	0.79	0.76
Water Business	1.63	0.75	0.93	1.01	0.97	0.75	0.82	0.83	1.23	0.64	0.81	1.06	0.98	0.68
Sewer Business	2.93	2.17	1.98	2.08	2.38	1.66	2.32	2.29	2.79	1.26	1.56	3.06	2.28	1.77
5. Days in Accounts Receivable	31.79	37.60	32.63	35.14	29.75	34.81	35.22	39.88	34.36	33.55	18.46	29.74	33.87	12.30
Power Business	20.70	26.53	22.99	24.96	20.57	25.48	25.26	28.84	22.53	22.15	9.54	18.39	21.30	10.78
Water Business	89.17	184.88	111.12	116.22	113.47	84.88	92.95	100.14	174.56	128.09	101.39	146.63	206.27	104.65
Sewer Business	511.16	301.23	279.85	289.84	288.55	263.83	334.37	341.78	213.74	149.59	176.96	322.36	208.80	198.59

Power Table 1 Power Operation Indicators – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19		FY2019 YTD	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	1,392,221	1,263,683	1,400,164	1,414,321	1,501,140	1,388,955	1,433,851	1,413,110	1,356,393	1,437,738	1,380,811	1,416,194	16,910,468	4,234,743
Peak Generation - kW	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	2,868	2,866	2,943	2,968
Fuel Consumption - Gallons	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	94,640	96,364	1,145,000	291,310
Average Fuel Price (\$/Gallon)	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	3.14	3.14	38.88	9.41
Load Factor (%)	72%	67%	68%	65%	70%	65%	69%	69%	66%	68%	66%	68%	67%	102%
Capacity Factor (%)	47%	47%	49%	52%	51%	52%	50%	49%	52%	53%	51%	51%	40%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1300%	100%	100%
Reserve Plant Margin (%)	197%	195%	183%	166%	171%	170%	180%	182%	170%	163%	172%	172%	168%	165%
Solar PV Generation - kWh	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	55,003	59,669	357,363	195,700
Solar Generation %	1.9%	2.1%	1.9%	1.9%	1.9%	1.8%	1.7%	1.6%	5.3%	5.3%	3.8%	4.0%	2.1%	4.4%
Peak PV Generation - kW	213	210	206	217	223	196	196	178	593	633	430	466	1,713	5,614
Avoided Fuel - Gallons	1,833	1,845	1,795	1,905	1,929	1,700	1,686	1,535	5,157	5,653	3,770	4,060	24,197	13,462
Avoided Cost of Fuel - US\$	5,543	5,535	5,612	6,044	6,306	5,564	5,278	4,832	16,068	17,762	11,819	12,729	78,510	42,238
Tons of CO2 avoided	18.5	18.6	18.1	19.2	19.5	17.2	17.0	15.5	52.1	57.1	38.1	41.0	244.4	136.0
Labour Productivity (kWh/Emp/d)	1,554	1,410	1,563	1,578	1,675	1,550	1,600	1,577	1,514	1,605	1,541	1,581	1,448	2,169
SFOC (kWh/gal)	14.91	14.54	14.71	14.56	14.77	14.78	14.84	14.80	14.71	14.33	14.59	14.70	14.77	14.54
DG1 - GE 1.8	15.04	15.12	15.31	15.20	15.24	15.02	14.99	14.89	14.82	15.07	15.40	15.37	15.04	15.26
DG2 - GE 1.8	15.29	15.37	15.19	15.21	15.30	15.43	14.97	15.03	15.08	15.14	15.32	15.04	15.15	15.15
DG3 - CAT 1.6	0.00	0.00	11.45	10.12	8.42	4.81	4.81	5.99	6.55	12.79	0.00	0.00	10.29	12.79
DG4 - CAT 1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	12.45	14.55
DG5 - CAT 1.3	13.51	13.05	13.88	13.88	14.33	11.64	11.02	10.54	12.75	13.35	11.74	11.15	13.28	12.47
SLOC (kWh/gal)	5,396	2,344	2,174	1,811	5,342	4,891	1,565	3,758	3,237	3,754	1,531	5,113	2,917	2,711
DG1 - GE 1.8	3,105	4,448	1,242	2,986	3,257	3,538	1,322	3,211	2,263	5,027	1,464	1,220	2,409	1,884
DG2 - GE 1.8	6,150	1,670	4,854	0	0	0	0	0	0	0	0	0	3,157	1,477
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	1,183	0
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	42	0
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	1,283	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outage Factor (%)	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.01%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.02%
Planned Outage Factor (%)	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	24.7%	24.9%	25.9%	27.6%	27.1%	27.2%	26.2%	26.0%	27.2%	27.9%	27.0%	27.0%	27.4%	27.7%
Distribution Losses (%)	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	13.8%	0.0%
SAIDI (hours/consumer)	0.04	0.00	0.00	0.01	0.06	0.00	0.10	0.20	0.13	0.05	0.05	0.27	0.70	0.36
SAIFI	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.024	0.010
Average Cost (\$/kWh)	0.20	0.20	0.21	0.21	0.22	0.22	0.21	0.21	0.20	0.21	0.21	0.20	0.215	0.206

Power Table 2 Power Generation Statistics – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	388,078	453,676	523,052	591,227	462,521	470,551	631,714	606,787	497,801	794,341	670,376	558,984	6,417,815	2,023,701
DG2 - GE 1.8	781,079	571,171	621,248	566,575	807,131	786,294	768,085	769,655	755,515	85,201	435,578	657,724	8,642,917	1,178,503
DG3 - CAT 1.6	0	116,914	112,399	94,643	48,041	3,059	337	419	5,687	93,821	0	0	384,549	93,821
DG4 - CAT 1.3	249	0	0	0	0	0	0	0	0	28,249	44,969	76,343	249	149,561
DG5 - CAT 1.3	222,815	121,922	143,465	161,876	183,447	129,051	33,715	36,249	97,390	436,126	229,888	123,143	1,464,938	789,157
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,392,221	1,263,683	1,400,164	1,414,321	1,501,140	1,388,955	1,433,851	1,413,110	1,356,393	1,437,738	1,380,811	1,416,194	16,910,468	4,234,743
PP Solar F1	0	0	0	0	0	0	0	0	11,753	17,823	11,907	13,034	11,753	42,764
High School Solar F1	21,228	20,001	21,369	21,851	21,950	19,498	19,852	17,874	18,982	21,251	14,280	15,600	234,261	51,131
PP Solar F3	0	0	0	0	0	0	0	0	8,289	11,188	7,165	7,872	8,289	26,225
Airport Roof F4	6,087	6,823	5,033	5,875	6,543	5,626	5,179	4,851	5,835	4,094	4,900	4,900	72,046	13,894
Airport Carpark F4	0	0	0	0	0	0	0	0	15,455	19,173	11,969	13,014	15,455	44,156
WWTP F4	0	0	0	0	0	0	0	0	15,559	7,499	4,782	5,249	15,559	17,530
Solar PV Generation Total (kWh)	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	55,003	59,669	357,363	195,700
Total Generation (kWh)	1,419,536	1,290,507	1,426,566	1,442,047	1,529,633	1,414,079	1,458,882	1,435,835	1,432,266	1,518,766	1,435,814	1,475,863	17,267,831	4,430,443
Maximum Demand (kW)	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	2,868	2,866	2,943	2,944
Engine Rating kW (at 0.8 PF)														
DG1 - GE 1.8	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
DG2 - GE 1.8	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
DG3 - CAT 1.6	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
DG4 - CAT 1.3	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
DG5 - CAT 1.3	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
CAT #3 - Retired May 2017	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Station Services (kWh)	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	12,571	10,640	150,819	36,897
Running Hours														
DG1 - GE 1.8	391	417	563	408	415	459	620	614	495	715	657	657	6,078	2,029
DG2 - GE 1.8	654	476	512	489	701	710	706	723	690	80	447	447	7,668	974
DG3 - CAT 1.6	0	188	179	263	44	3	3	2	7	156	0	0	696	156
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	72	96	96	0	264
DG5 - CAT 1.3	330	190	229	257	302	219	63	73	163	660	380	380	2,317	1,420
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,375	1,271	1,483	1,417	1,462	1,391	1,392	1,412	1,355	1,683	1,580	1,580	16,759	4,843

Power Table 3 Fuel & Lube Oil Statistics – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	25,803	30,014	34,166	38,892	30,358	31,330	42,152	40,751	33,581	52,715	43,522	36,370	426,748	132,607
DG2 - GE 1.8	51,088	37,158	40,895	37,254	52,747	50,955	51,311	51,193	50,096	5,628	28,434	43,735	570,529	77,797
DG3 - CAT 1.6	0	10,400	9,813	9,352	5,705	636	70	70	868	7,336	0	0	37,364	7,336
DG4 - CAT 1.3	20	0	0	0	0	0	0	0	0	1,958	3,102	5,216	20	10,276
DG5 - CAT 1.3	16,493	9,341	10,339	11,661	12,800	11,086	3,059	3,438	7,641	32,669	19,582	11,042	110,339	63,293
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	94,640	96,364	1,145,000	291,310
Average Fuel Price (\$/Gallon)	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	3.14	3.14	3.24	3.14
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	0	0	265	0	0	0	265	0	0	0	193	193	795	386
DG2 - GE 1.8	0	265	0	265	0	0	265	0	0	0	74	74	1,060	148
DG3 - CAT 1.6	0	0	95	95	0	0	0	0	0	0	0	0	190	0
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG5 - CAT 1.3	0	95	0	95	0	0	0	0	0	95	10	10	190	115
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	0	360	360	455	0	0	530	0	0	95	277	277	2,235	649
Oil Change Log(75 Gal/Change)														
DG1 - GE 1.8	125	102	156	198	142	133	213	189	220	158	265	265	1,869	688
DG2 - GE 1.8	127	77	128	128	130	151	173	187	199	120	265	265	1,678	650
DG3 - CAT 1.6	0	0	0	0	9	0	0	0	0	0	0	0	9	0
DG4 - CAT 1.3	6	0	0	0	0	0	0	0	0	0	0	0	6	0
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	10	95	95	0	200
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume(Gals)	258	179	284	326	281	284	386	376	419	288	625	0	3,562	913

Power Table 4 Distribution Feeder Statistics - January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Nov 20	2019 YTD	2020 YTD
Feeder 1 Load	363,908	332,213	362,910	370,578	392,382	372,240	369,423	384,699	386,137	407,452	378,027	395,422	4,474,271	1,180,901
Feeder 2 Load	119,343	108,647	120,877	121,341	131,055	115,761	121,066	122,901	119,729	138,717	130,673	134,935	1,458,635	404,325
Feeder 3 Load	425,879	378,375	369,016	371,308	451,818	425,513	444,707	428,584	418,712	448,906	428,625	434,663	5,043,967	1,312,194
Feeder 4 Load	327,462	291,736	327,599	327,958	355,720	329,687	323,485	322,614	336,348	342,362	322,669	334,580	3,962,444	999,611
Feeder 5 Load	160,330	155,694	221,772	225,408	173,178	146,374	174,880	152,769	153,412	161,196	156,869	160,827	2,044,163	478,892
Total Feeder Load (kWh)	1,396,922	1,266,665	1,402,174	1,416,593	1,504,153	1,389,575	1,433,561	1,411,567	1,414,338	1,498,633	1,416,863	1,460,427	16,983,480	4,375,923
													0	0
Feeder 1 Sales	310,536	286,347	309,811	329,490	339,789	324,497	316,825	332,997	336,964	361,522	343,672	341,446	3,893,759	1,046,640
Feeder 2 Sales	92,743	90,199	108,059	102,802	103,369	100,886	95,926	106,867	104,991	106,453	114,640	123,125	1,214,353	344,218
Feeder 3 Sales	377,205	333,026	349,196	371,166	383,050	351,041	378,385	352,601	343,851	388,632	359,997	376,821	4,314,626	1,125,450
Feeder 4 Sales	309,193	276,496	301,636	312,730	333,010	312,561	309,279	317,987	298,274	314,634	312,604	327,287	3,693,340	954,524
Feeder 5 Sales	141,257	117,478	126,995	139,094	138,207	132,854	165,865	136,441	136,997	146,228	143,605	144,995	1,623,610	434,827
Total Feeder Sales (kWh)	1,230,934	1,103,546	1,195,698	1,255,282	1,297,424	1,221,840	1,266,279	1,246,893	1,221,077	1,317,468	1,274,517	1,313,674	14,739,689	3,905,659
Feeder 1 Loss - kWh	53,372	45,866	53,099	41,088	52,593	47,743	52,598	51,702	49,173	45,930	34,355	53,976	580,512	134,261
Feeder 2 Loss - kWh	26,600	18,448	12,818	18,539	27,686	14,875	25,140	16,034	14,738	32,264	16,033	11,810	244,282	60,107
Feeder 3 Loss - kWh	48,674	45,349	19,820	142	68,768	74,472	66,322	75,983	74,861	60,274	68,628	57,842	729,341	186,744
Feeder 4 Loss - kWh	18,269	15,240	25,963	15,228	22,710	17,126	14,206	4,627	38,074	27,728	10,065	7,293	269,104	45,087
Feeder 5 Loss - kWh	19,073	38,216	94,777	86,314	34,971	13,520	9,015	16,328	16,415	14,968	13,264	15,832	420,553	44,065
Total Feeder Loss - kWh	165,988	163,119	206,476	161,311	206,729	167,735	167,282	164,674	193,261	181,165	142,346	146,753	2,243,791	470,264
Feeder 1 Loss - %	14.7%	13.8%	14.6%	11.1%	13.4%	12.8%	14.2%	13.4%	12.7%	11.3%	9.1%	13.7%	13.0%	11.4%
Feeder 2 Loss - %	22.3%	17.0%	10.6%	15.3%	21.1%	12.8%	20.8%	13.0%	12.3%	23.3%	12.3%	8.8%	16.7%	14.9%
Feeder 3 Loss - %	11.4%	12.0%	5.4%	0.0%	15.2%	17.5%	14.9%	17.7%	17.9%	13.4%	16.0%	13.3%	14.5%	14.2%
Feeder 4 Loss - %	5.6%	5.2%	7.9%	4.6%	6.4%	5.2%	4.4%	1.4%	11.3%	8.1%	3.1%	2.2%	6.8%	4.5%
Feeder 5 Loss - %	11.9%	24.5%	42.7%	38.3%	20.2%	9.2%	5.2%	10.7%	10.7%	9.3%	8.5%	9.8%	20.6%	9.2%
Total Feeder Loss - %	11.9%	12.9%	14.7%	11.4%	13.7%	12.1%	11.7%	11.7%	13.7%	12.1%	10.0%	10.0%	13.2%	10.7%

Power Table 5 Customer Energy Use By Category and By Feeder - December 2019

Feeder	kWh/Connection		
	Residential	Commercial	Government
F01	253	1,354	7,281
F02	186	2,775	2,393
F03	216	2,331	1,082
F04	187	3,295	4,008
F05	167	2,735	1,096
Total	202	2,498	3,172

Power Table 6 Power Distribution Statistics – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Number of Outages (Frequency)														
Forced - Generation	0	0	0	0	1	0	1	0	0	2	1	0	2	3
Planned - Generation	0	0	0	2	0	0	0	0	0	0	0	0	2	0
Total Number of Outages (Gen)	0	0	0	2	1	0	1	0	0	2	1	0	4	3
Forced - Distribution	1	0	0	0	5	0	6	0	3	11	5	1	21	17
Feeder 1	0	0	0	0	1	0	1	0	0	2	1	0	2	3
Feeder 2	1	0	0	0	1	0	2	0	0	3	1	0	4	4
Feeder 3	0	0	0	0	1	0	1	0	3	2	1	0	5	3
Feeder 4	0	0	0	0	1	0	1	0	0	2	1	0	4	3
Feeder 5	0	0	0	0	1	0	1	0	0	2	1	1	6	4
Planned - Distribution	0	0	0	10	0	0	0	3	5	0	0	0	18	0
Feeder 1	0	0	0	2	0	0	0	1	1	0	0	0	4	0
Feeder 2	0	0	0	2	0	0	0	0	1	0	0	0	3	0
Feeder 3	0	0	0	2	0	0	0	1	1	0	0	0	4	0
Feeder 4	0	0	0	2	0	0	0	0	1	0	0	0	3	0
Feeder 5	0	0	0	2	0	0	0	1	1	0	0	0	4	0
Total Number of Outages (Dist)	1	0	0	10	5	0	6	3	8	11	5	1	39	17

Power Table 7 Power Outage Statistics – January 2019 to December 2019

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	FY2019	FY2020 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.4	0.3
Planned - Generation	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Total Duration Gen Outage (Hrs)	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.4	0.3
Forced - Distribution	1.1	0.0	0.0	0.0	1.6	0.0	2.7	0.0	3.2	1.3	1.3	7.4	13.0	9.9
Feeder 1	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.3	0.0	0.4	0.5
Feeder 2	1.1	0.0	0.0	0.0	0.3	0.0	2.4	0.0	0.0	0.6	0.3	0.0	3.8	0.8
Feeder 3	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	3.2	0.0	0.3	0.0	3.6	0.3
Feeder 4	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.3	0.0	0.8	0.4
Feeder 5	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.3	0.3	7.4	4.5	7.9
Planned - Distribution	0.0	0.0	0.0	0.3	0.0	0.0	0.0	5.3	0.4	0.0	0.0	0.0	6.0	0.0
Feeder 1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.7	0.1	0.0	0.0	0.0	1.8	0.0
Feeder 2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Feeder 3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.8	0.1	0.0	0.0	0.0	1.9	0.0
Feeder 4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Feeder 5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.9	0.1	0.0	0.0	0.0	2.0	0.0
Total Duration Dist Outage (Hrs)	1.1	0.0	0.0	0.3	1.6	0.0	2.7	5.3	3.6	1.3	1.3	7.4	19.0	9.9

Water Table 1 Water Production & Sales Data Statistics – January 2019 to December 2019

COMPANY WIDE DATA	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	FY2020 YTD
Water Production (Gallons)													
WTP Production	824,300	0	13,300	800	8,500	365,400	422,700	800	72,800	880,000	716,800	371,600	1,968,400
Pink Apartment Volume start of Month	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	1,746,000
Pink Apartment Volume end of Month	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	1,746,000
Pink Apartment Vol in to Supply/(Storage)	0	0	0	0	0	0	0	0	0	0	0	0	0
Tankered volume for billing			113,300	113,400									0
Well Production (into supply)	21,498,700	16,480,600	19,887,600	19,183,200	16,238,900	17,152,000	17,991,200	20,278,600	22,245,800	19,457,500	19,066,800	19,625,200	58,149,500
Volume into network	22,323,000	16,480,600	19,787,600	19,070,600	16,247,400	17,517,400	18,413,900	20,279,400	22,318,600	20,337,500	19,783,600	19,996,800	60,117,900
Water Volume (Billed)													
Commercial	1,535,470	1,619,430	2,538,480	2,025,220	2,081,700	2,796,980	2,648,668	2,196,369	2,393,810	5,025,392	2,103,059	1,872,786	9,001,237
Government (excludes hospital)	446,046	435,389	874,404	0	620,021	756,715	950,953	1,275,962	1,183,295	999,880	1,031,232	1,140,248	3,171,360
Government Hospital	546,400	896,100	242,900	1,197,200	917,200	1,315,500	1,102,200	1,288,200	977,300	1,199,900	1,229,000	704,000	3,132,900
Residential	2,846,350	2,531,840	4,100,542	3,932,696	3,565,580	4,328,972	3,969,710	4,075,175	3,992,124	4,281,681	4,275,042	4,467,149	13,023,872
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	5,374,266	5,482,759	7,756,326	7,155,116	7,184,501	9,198,167	8,671,531	8,835,706	8,546,529	11,506,853	8,638,333	8,184,183	28,329,369
NRW													
Volume	16,948,734	10,997,841	12,031,274	11,915,484	9,062,899	8,319,233	9,742,369	11,443,694	13,772,071	8,830,647	11,145,267	11,812,617	31,788,531
Percentage	75.9%	66.7%	60.8%	62.5%	55.8%	47.5%	52.9%	56.4%	61.7%	43.4%	56.3%	59.1%	52.9%
Invoiced Water Value													
Water Delivery and Bunkering													0
Commercial	\$8,378	\$8,223	\$12,287	\$10,538	\$11,088	\$13,812	\$12,413	\$10,018	\$10,925	\$23,856	\$10,731	\$9,631	44,218
Government (includes hospital)	\$4,945	\$6,628	\$5,740	\$10,312	\$8,252	\$11,075	\$10,159	\$12,736	\$10,722	\$10,965	\$11,212	\$9,216	31,392
Residential	\$7,051	\$7,096	\$10,963	\$10,022	\$8,799	\$11,163	\$11,034	\$11,351	\$11,104	\$12,027	\$11,279	\$11,772	35,079
Total	\$20,374	\$21,947	\$28,990	\$30,871	\$28,139	\$36,051	\$33,606	\$34,105	\$32,751	\$46,848	\$33,222	\$30,619	\$110,689
Sewer Charges													
Commercial	\$3,296	\$3,407	\$5,719	\$4,629	\$4,900	\$6,551	\$5,885	\$4,726	\$4,540	\$11,435	\$4,972	\$4,248	20,655
Commercial - w/o water	\$3,685	\$2,652	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,379	\$2,379	\$2,379	\$2,379	7,138
Government	\$2,341	\$3,193	\$2,621	\$4,903	\$3,888	\$5,212	\$4,737	\$6,085	\$5,082	\$5,140	\$5,311	\$4,232	14,682
Residential	\$533	\$532	\$917	\$864	\$698	\$929	\$891	\$928	\$858	\$905	\$905	\$1,027	2,838
Residential w/o water	\$1,990	\$2,040	\$2,064	\$2,036	\$1,940	\$1,940	\$1,920	\$1,920	\$1,910	\$1,910	\$1,960	\$1,971	5,841
Total	\$11,845	\$11,823	\$13,769	\$14,878	\$13,873	\$17,080	\$15,879	\$16,105	\$14,769	\$21,769	\$15,528	\$13,858	\$51,155

Water Table 2 Water/Sewer Connection Data – January 2019 to December 2019

COMPANY WIDE DATA	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	FY2020 YTD
Water Connection Data (No. of Connections)	479	479	444	447	468	479	485	478	478	480	478	479	479
Commercial - Billed	76	77	72	73	78	83	81	81	81	81	81	80	80
Commercial - Disconnected	8	0	0	0	0	0	0	0	0	0	0	0	0
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avg Consumption - Gall/conn/mth	20,204	21,032	35,257	27,743	26,688	33,699	32,700	27,116	29,553	62,042	25,964	23,410	112,515
Government - Billed	18	16	18	19	19	19	21	18	19	19	18	20	20
Government - Disconnected	7	1	1	1	1	1	1	1	1	1	1	1	1
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avg Consumption - Gall/conn/mth	24,780	27,212	48,578	0	32,633	39,827	45,283	70,887	62,279	52,625	57,291	57,012	158,568
Hospital - Billed	1	1	1	1	1	1	1	1	1	1	1	1	1
Hospital - Disconnected	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital Avg Consumption - Gall/conn/mth	546,400	896,100	242,900	1,197,200	917,200	1,315,500	1,102,200	1,288,200	977,300	1,199,900	1,229,000	704,000	3,132,900
Residential - Billed	384	385	353	354	370	376	382	378	377	379	378	378	378
Residential - Disconnected	104	5	4	4	3	3	3	3	3	3	3	2	2
Residential - Meter Pulled	93	4	2	2	2	3	0	1	1	1	1	1	1
Residential Avg Consumption - Gall/conn/mth	7,412	6,576	11,616	11,109	9,637	11,513	10,392	10,781	10,589	11,297	11,310	11,818	34,455
Sewer Connection Data (No. of Connections)	518	501	480	462	491	489	490	487	484	487	491	490	490
Commercial Billed	44	42	40	42	47	46	46	48	47	47	46	44	44
Commercial Billed w/o water	54	54	43	41	43	43	43	43	43	43	43	43	43
Government Billed	17	15	17	18	19	18	20	17	18	18	17	19	19
Residential Billed	206	194	182	181	189	189	190	188	186	189	190	190	190
Residential Billed w/o water	197	196	198	180	193	193	191	191	190	190	195	194	194
STP Inflow (MG/month)	13.0	12.0	12.5	13.0	12.5	13.0	13.0	16.0	17.0	13.5	14.0	16.0	44
SEWER OVERFLOW W/O's													
North Zone	1	1	1	2	1	1	1	1	1	1	1	1	3
South Zone	1	2	1	1	1	1	2	2	1	0	1	1	2

Water Table 3 Zonal Water Use Statistics – FY2019

ZONAL NRW - December 2019					ZONAL NRW - FY2020 YTD				
Zone	Production Gallons	Sales Gallons	NRW		Zone	Production Gallons	Sales Gallons	NRW	
			Gallons	%				Gallons	%
1	48,000	25,986	22,014	46%	1	144,000	85,558	58,442	41%
2	15,876,900	5,808,735	10,068,165	63%	2	47,444,600	19,974,549	27,470,051	58%
3	10,000	0	10,000	0%	3	30,000	100	29,900	100%
4	985,200	229,580	755,620	77%	4	2,530,100	702,020	1,828,080	72%
5	0	0	0	0%	5	0	13,500	-13,500	-
6	2,008,300	1,358,140	650,160	32%	6	6,900,700	5,280,050	1,620,650	23%
7	100,000	94,490	5,510	6%	7	300,000	325,120	-25,120	-8%
8	968,400	667,258	301,142	31%	8	2,768,500	1,948,490	820,010	30%
Total	19,996,800	8,184,189	11,812,611	59.1%	Total	60,117,900	28,329,387	31,788,513	52.9%
ZONAL WATER CONSUMPTION - December 2019					ZONAL WATER CONSUMPTION - FY2020 YTD				
Zone	Avge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commescial	Govesnment	Hospital	Residential		Commercial	Government	Hospital	Residential
1	0	0	-	4,330	1	0	0	-	14,257
2	24,865	37,912	-	11,416	2	119,887	103,450	-	32,237
3	0	0	-	0	3	0	0	-	0
4	0	0	-	16,399	4	0	0	-	50,144
5	0	0	-	0	5	0	0	-	0
6	9,430	0	704,000	479	6	40,972	0	3,132,900	46,374
7	0	0	-	15,748	7	0	0	-	54,187
8	0	114,314	-	8,604	8	0	323,922	-	29,565
Total	34,295	152,226	704,000	56,976	Total	313,646	424,864	10,404,000	118,120

Work Order Summary – End December 2019

Work Order Performance December 2019						
Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	5	2	2	0	0	7
INTERNAL POWER	4	0	0	0	0	4
INTERNAL SEWER	0	0	0	0	0	0
INTERNAL WATER	0	0	0	0	0	0
POWER	24	5	5	0	0	29
REVENUE	42	7	8	0	6	43
SEWER	25	16	17	0	4	37
WATER	171	89	92	0	32	228
TOTAL ALL WORK ORDERS	271	119	124		42	348
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and New	WO Outstanding At End		
INTERNAL MAINTENANCE	1.8%	1.7%	-	2.0%		
INTERNAL POWER	1.5%	0.0%	-	1.1%		
INTERNAL SEWER	0.0%	0.0%	-	0.0%		
INTERNAL WATER	0.0%	0.0%	-	0.0%		
POWER	8.9%	4.2%	0.0%	8.3%		
REVENUE	15.5%	5.9%	12.2%	12.4%		
SEWER	9.2%	13.4%	9.8%	10.6%		
WATER	63.1%	74.8%	12.3%	65.5%		
TOTAL ALL WORK ORDERS			10.8%			

Administration Table 1 H&S Statistics – December 2019



HEALTH & SAFETY REPORT: FY2020 - December 2019

1. ACCIDENT REPORT

DEPARTMENT		December 2019						YEAR TO DATE - FY2020					
	Number of Staff	Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	22	3,175	0	0	0	0	0	10,088	0	0	0	0	0
Maintenance	5	728	0	0	0	0	0	2,733	0	0	0	0	0
Power Distribution - Line	22	2,992	0	0	0	0	0	9,119	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0
Water & Sewer	28	4,119	0	0	0	0	0	12,928	0	0	0	0	0
Water & Sewer Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0
Fin, Admin, Cust Care	19	2,768	0	0	0	0	0	8,137	0	0	0	0	0
TOTAL	96	13,782	0	0	0	0	0	43,006	0	0	0	0	0

FA - Number of First Aid cases

Total Hours Without Incident: - Whole Company

896,628

MT - Number of Medical Treatment cases

LTC - Number of Lost time cases

LTD - Number of Lost time days

FAT - Number of Fatalities

2. SICK LEAVE REPORT

DEPARTMENT		December 2019		
	Number of Staff	Total Hours Sick	Accident Related	Poor Health
Power Generation	22	36	0	36
Maintenance	5	0	0	0
Power Distribution - Line	22	331	0	331
Power Distribution - Contractors	0	0	0	0
Water & Sewer	28	309	0	309
Water & Sewer Contractors	0	0	0	0
Fin, Admin, Cust Care	19	71	0	71
TOTAL	96	746	0	746

Year To Date FY2020		
Total Hours Sick	Accident Related	Poor Health
197	0	197
19	0	19
635	0	635
0	0	0
507	0	507
0	0	0
327	0	327
1,685	0	1,685

Sick Hours as Percentage of Total Hours Worked	5.4%	0.0%	5.4%
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3.9%	0.0%	3.9%
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DEPARTMENT		November 2019		
Sick Hours as Percentage of Total Hours Worked	Number of Staff	Total Hours Sick	Accident Related	Poor Health
Power Generation	22	1.1%	0.0%	1.1%
Maintenance	5	0.0%	0.0%	0.0%
Power Distribution - Line	22	11.1%	0.0%	11.1%
Power Distribution - Contractors	0	-	-	-
Water & Sewer	28	0.0%	0.0%	0.0%
Water & Sewer Contractors	0	-	-	-
Fin, Admin, Cust Care	19	2.5%	0.0%	2.5%
TOTAL	96	5.4%	0.0%	5.4%

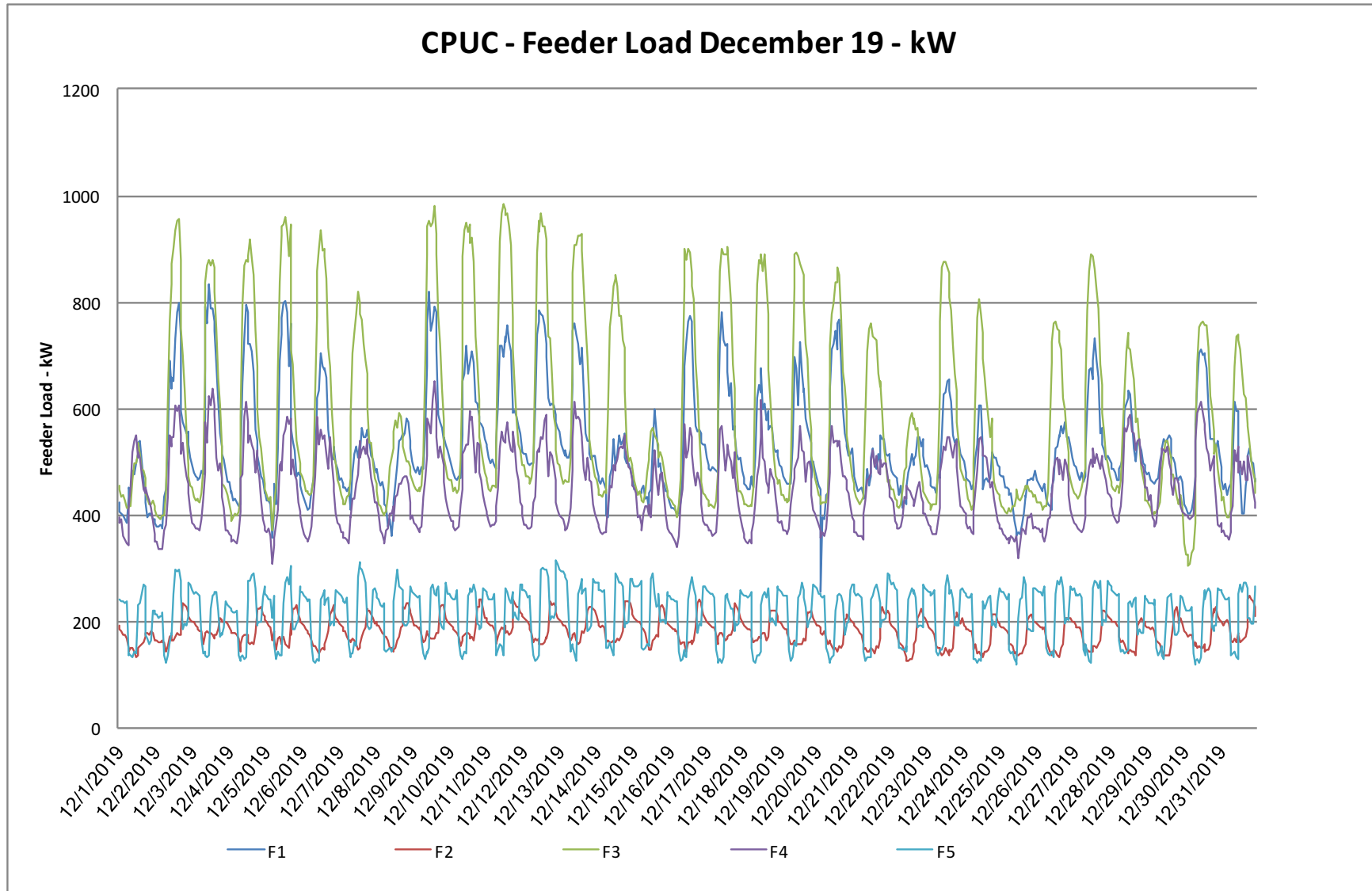
Administration Table 2 Attendance Summary – December 2019 & FY 2020

DEPARTMENT	December 2019								YEAR TO DATE - FY2020							
DEPARTMENT	Numb er of Staff	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Hours Worked		Nationa l Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Sick Leave As % of Hours claime d
		Regular	Overtim e						Regular	Overtim e						
Power Generation	22	2,955	220	203	36	633	4,047	84	9,250	838	534	197	903	11,723	274	1.7%
Maintenance	5	687	41	84	0	288	1,100	9	2,218	515	178	19	311	3,240	9	0.6%
Power Distribution - Line	22	2,823	169	355	331	1,081	4,759	83	8,635	485	947	635	1,654	12,355	137	5.1%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Water & Sewer	28	3,816	303	389	309	300	5,117	120	11,415	1,513	947	507	549	14,932	161	3.4%
Water & Sewer Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Fin, Admin, Cust Care	19	2,641	128	278	71	688	3,805	15	7,600	537	703	327	1,222	10,388	18	3.1%
TOTAL EMPLOYEES	96	12,921	860	1,310	746	2,990	18,828	310	39,117	3,889	3,309	1,685	4,639	52,639	599	3.2%
REGULAR STAFF	96	12,921	860	1,310	746	2,990	18,828	310	39,117	3,889	3,309	1,685	4,639	52,639	599	
Hours as % of Total Hours Claimed		68.6%	4.6%	7.0%	4.0%	15.9%		1.6%	74.3%	7.4%	6.3%	3.2%	8.8%		1.1%	

CAPEX Table 1 Capex Summary Sheet – December 2019

Chuuk Public Utility Corporation Capex Summary Sheet as of December 31, 2019								
	A	B	C	D (B-C)	E (A-B)	F	(A+A1-F)	G (F-C)
	Total Value	Commitment	Expended	Commitment Balance	Uncommitted	Cash Drawdown	OIA Balance	Cash Balance
FY 2018 Professional management - D18AF00029	266,298	266,298	266,298	0	0	266,298	0	0
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	375,861	375,861	0	374,139	415,000	335,000	39,139
FY 2019 Professional management - D19AF0008	204,400	204,400	164,224	40,176	0	89,268	115,132	-74,956
Total	1,016,298	846,559	806,383	40,176	374,139	770,566	450,132	-35,817

Graph Showing Feeder Loads in kW – December 2019



Graph Showing Generation Output in kW – December 2019

