

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – November 2019



Issued: 21 December 2019

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Nov-19	YTD FY2020	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Nov-19	FY2020	Nov-19	FY2020
Revenue	683,675	1,414,855	0.531	0.537	0.476	0.479
Variable Costs	326,839	666,742	0.254	0.253	0.228	0.226
Fixed Costs	179,651	374,094	0.139	0.142	0.125	0.127
Total Expenses	506,490	1,040,836	0.393	0.395	0.353	0.352
Operating result	177,184	374,019	0.138	0.142	0.123	0.127
		kWh				
Power generation	1,435,814	2,954,580				
Diesel	1,380,811	2,818,549				
Solar	55,003	136,031				
Solar PV as % of Total Generation	3.8%	4.6%				
Avoided Cost of Fuel - US\$	11,819	29,530				
Tons of CO ₂ Avoided	38.1	95.0				
Government Sales	202,316	444,205	Feeder	Conns	Nov-19	FY2020
Commercial Sales	648,505	1,340,332	F1	505	343,672	705,194
Residential Sales	351,261	728,763	F2	490	114,640	221,093
Intercompany Sales	65,142	130,391	F3	400	359,997	748,629
Sales Accrual	21,334	-10,658	F4	393	312,604	627,237
Total Sales	1,288,559	2,633,033	F5	502	143,605	289,832
Power Loss	10.3%	10.9%	Total	2,289	1,274,517	2,591,986
Operating ratio	0.78	0.74	NB - Error on Total and Feeder sales YTD is <1.0%; 18,139 kWh station use is not included			
Water Produced - Gallons	19,783,600	40,121,100				
Water Sold - Gallons	8,638,333	20,145,186				
Non Revenue Water	56.3%	49.8%				

Daily generated output in November was 47,860 kWh/day; 2.3% lower than October. Average daily sales were 42,952 kWh/day – 1.0% lower than October. Total power loss was 10.3% (10.9% YTD).

Average fuel efficiency for November was 14.60 kWh/gallon.

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

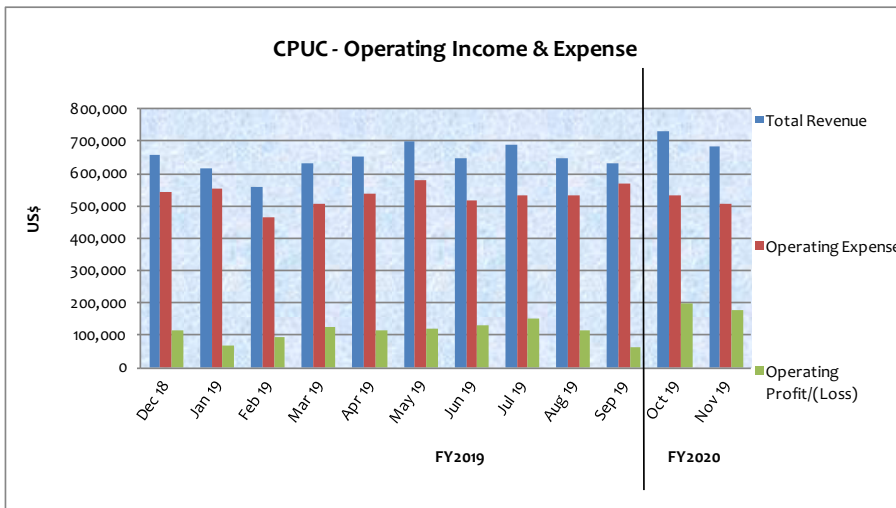
Government – 15.7%; Commercial – 50.3%; Residential – 27.3%; Intercompany 5.0 %; Accrual 1.7%;

Solar PV generation decreased in November to 55,003 kWh or 3.8% of total generation – this decrease in generation should be investigated. The avoided cost of fuel was US\$11,819 and the amount of Carbon Dioxide avoided was 38.1tons.

The November operating result was US\$177,184 or 0.78; with a positive OR after depreciation and interest of US\$ 143,488 this is building on the efficiency gains put in place by management in 2019.

Refunds to customers for the overstatement of charges in FY2019 were calculated in October and customers will be notified and reimbursed in November - this resulted in a significant improvement in CPUC arrears position with total arrears dropping from US\$764,676 to US\$400,702.

1 FINANCIAL PERFORMANCE GRAPHS

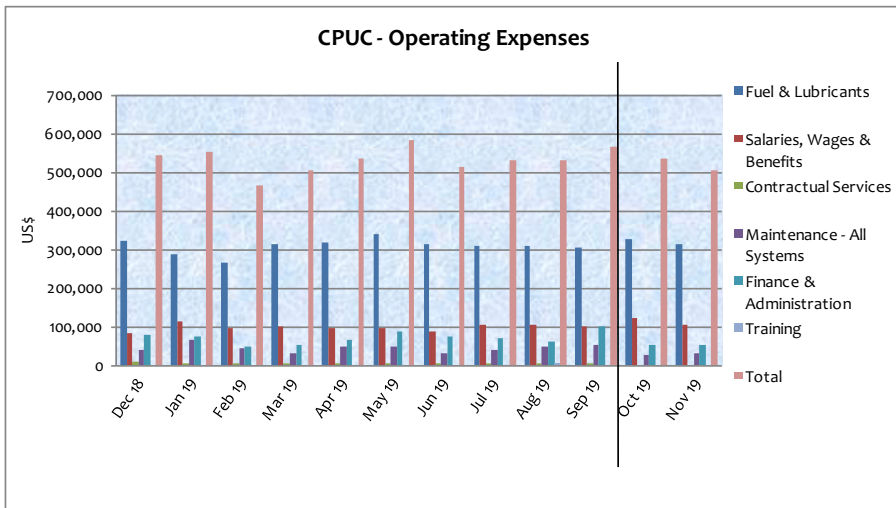


1.1 Key Points:

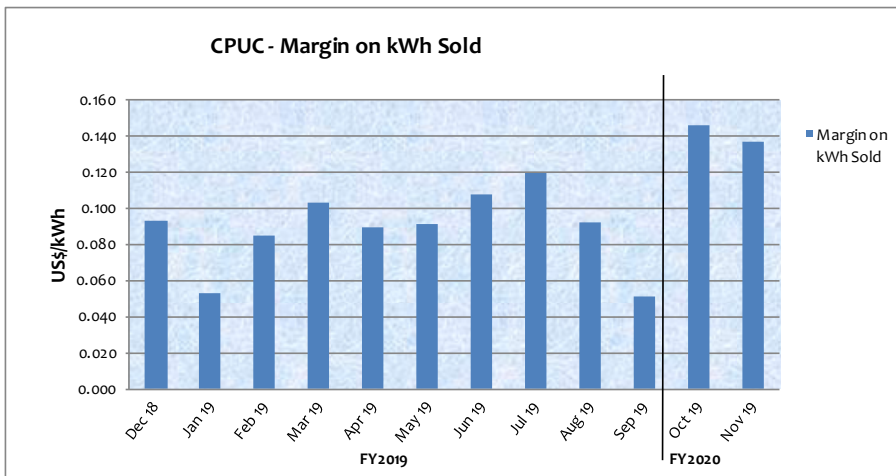
FY2020 Operating income before Depreciation & Interest :

FY2020
US\$374,019

Operating ratio:
FY2020 0.74;

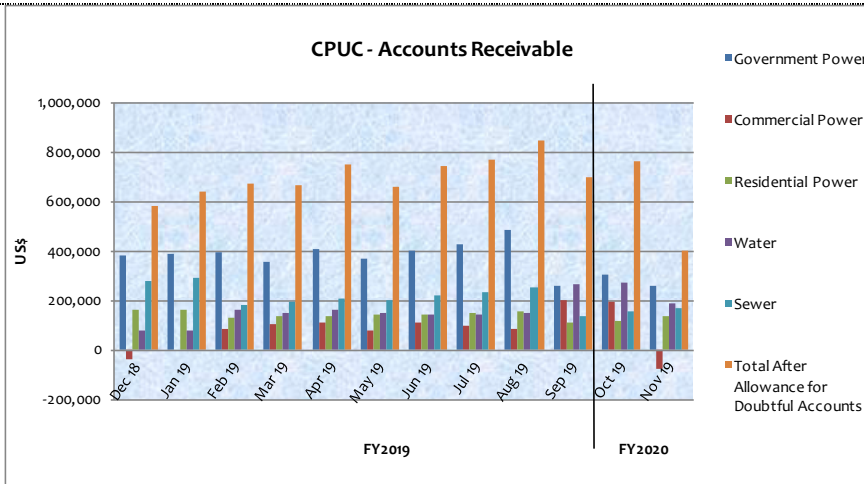


1.2 Key Points:

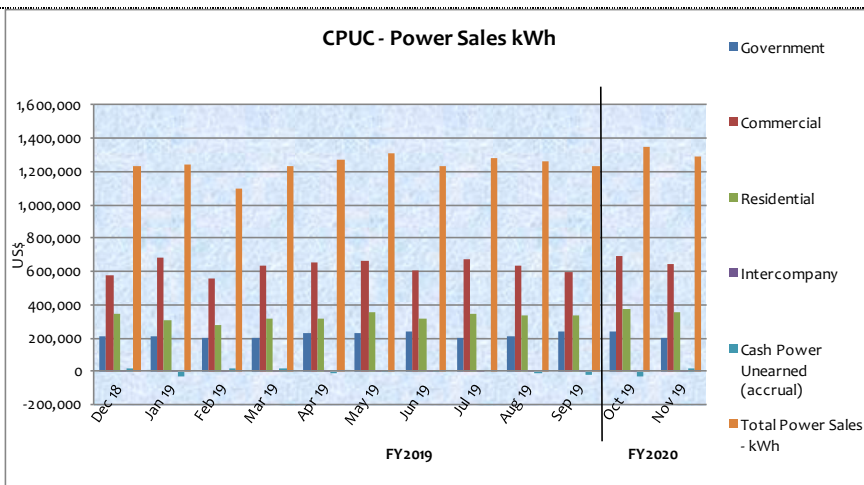


1.3 Key Points:

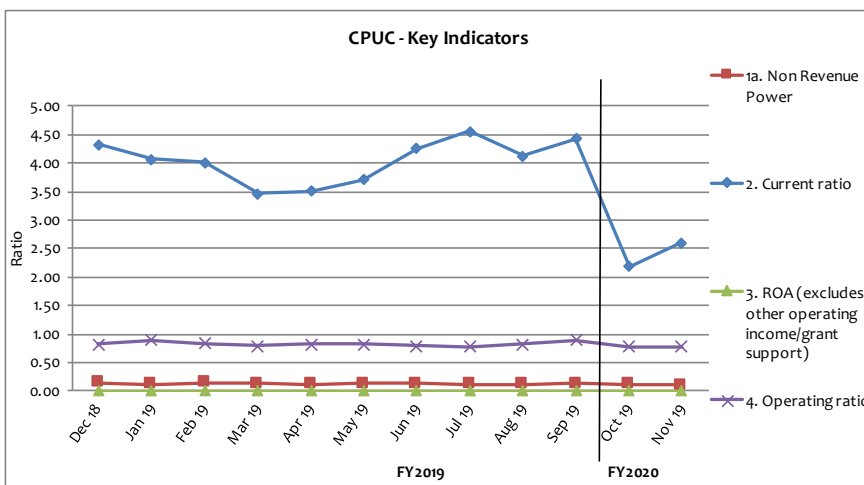
YTD US\$0.146 kWh sold.



1.4 Key Points:

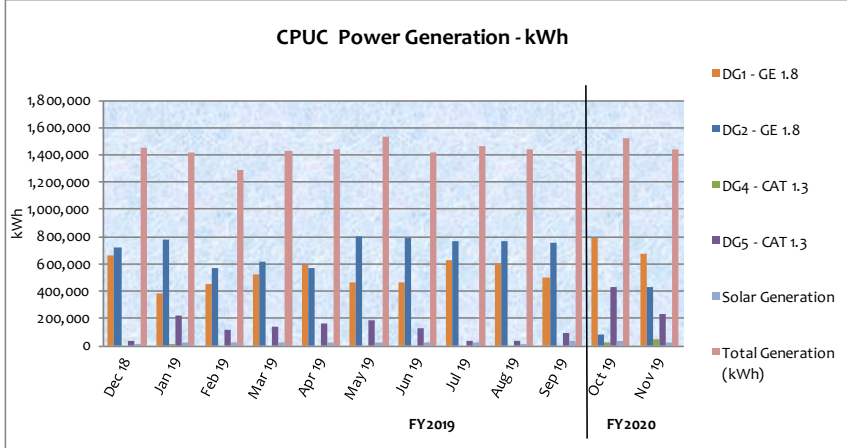


1.5 Key Points:

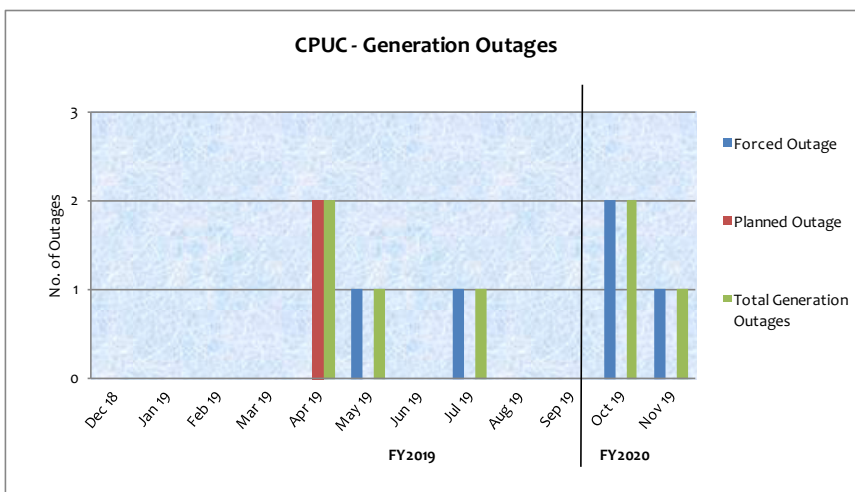


1.6 Key Points:

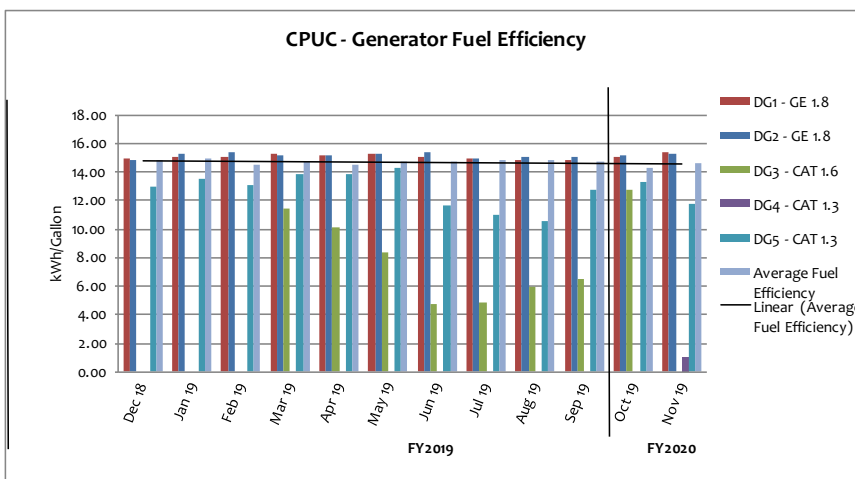
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:



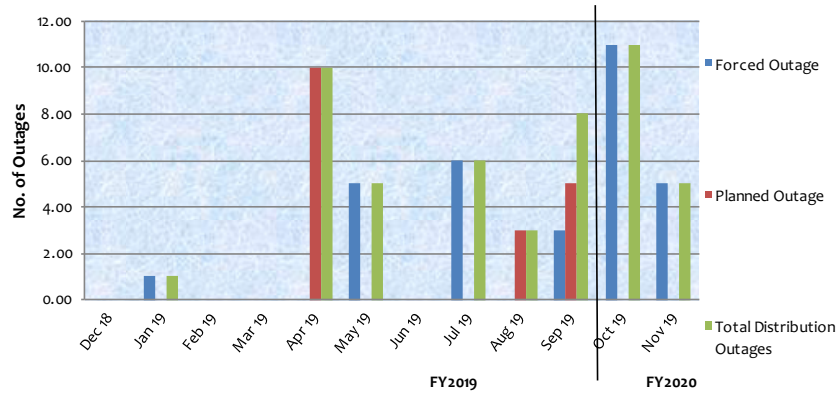
2.2 Key Points:



2.3 Key Points:

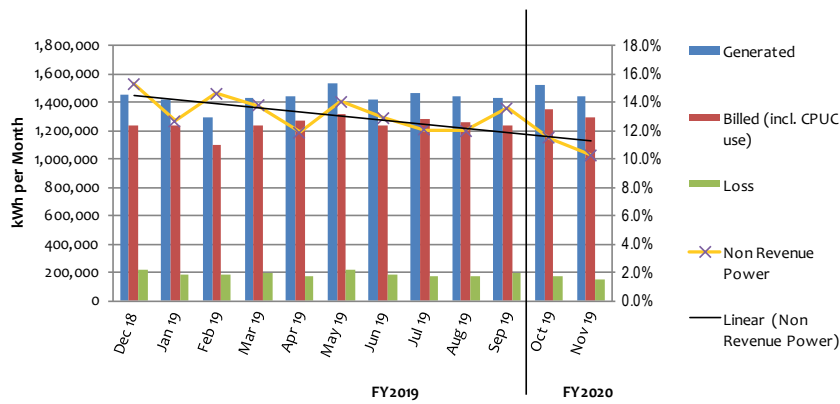
Avg fuel efficiency in FY2020 14.3 kWh/gall.

CPUC - Distribution Outages



2.4 Key Points

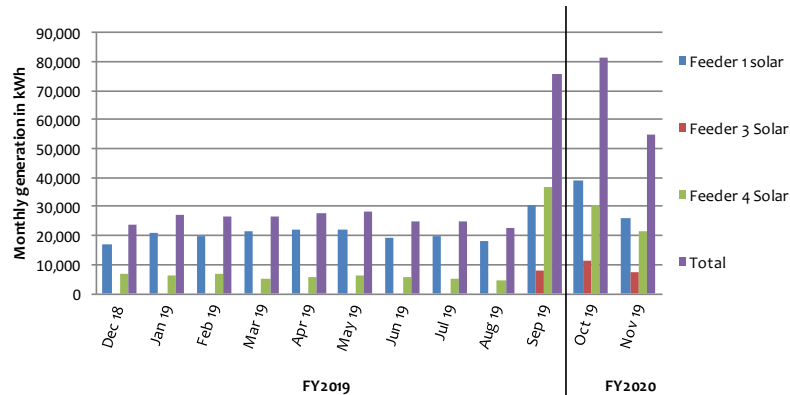
CPUC - Monthly kWh Generation & Usage Analysis



2.5 Key Points:

Power loss for October 2019 – 11.5%;

CPUC - Solar PV Systems Output



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

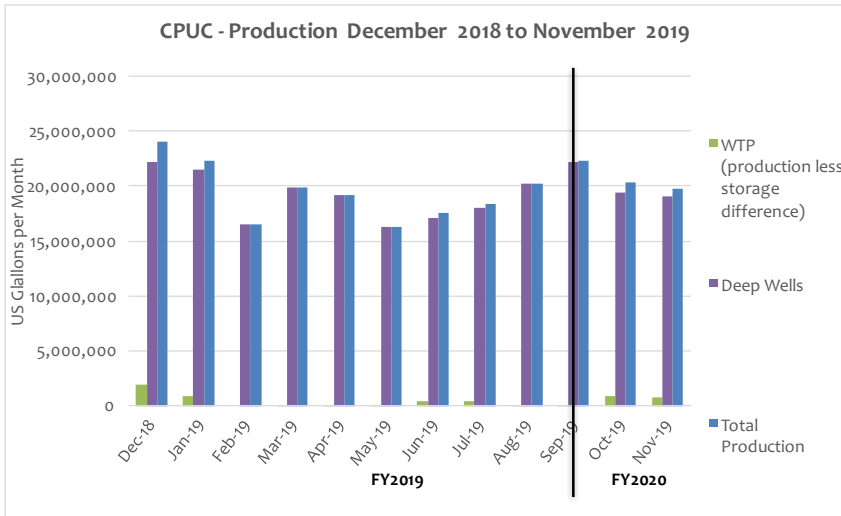
Solar PV accounted for 5.3% of CPUC generation in October;

The avoided cost of fuel was:
 US\$17,762

Avoided Tons of CO₂ was 57.2 Tons;

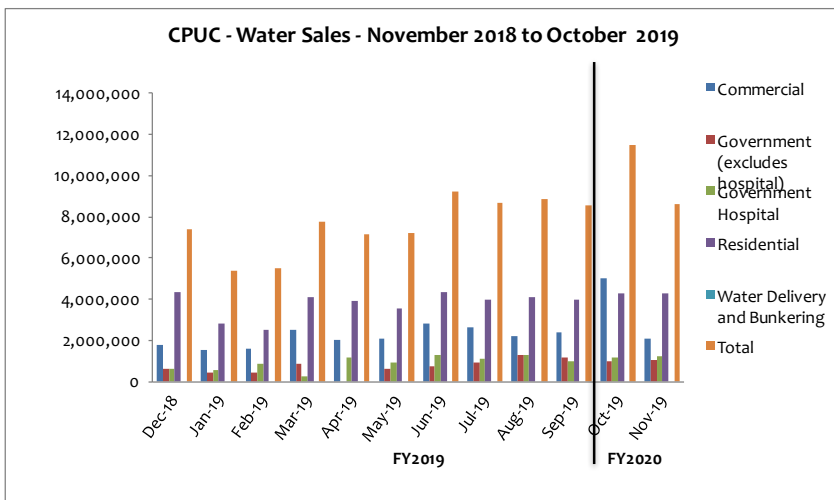
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WATER PERFORMANCE GRAPHS

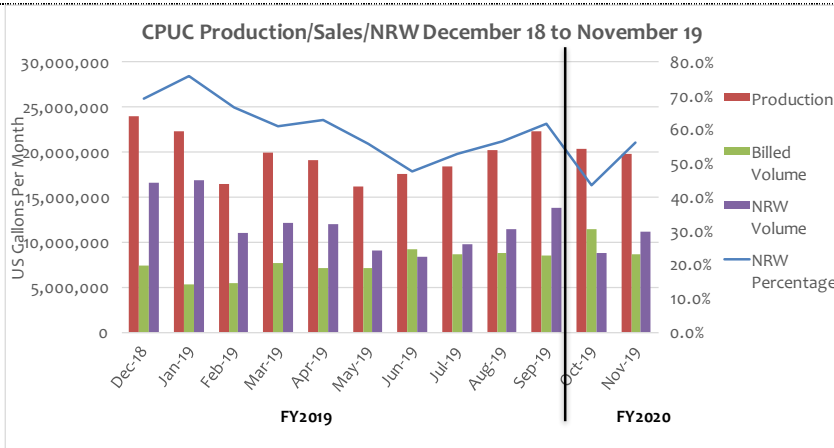


1 Key Points:

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 – December 2018 to November 2019

Revenue - US\$	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020
Operating revenue:														
a. Power Sales	601,650	571,992	506,873	568,002	594,657	623,984	584,423	607,271	586,974	563,399	614,741	601,355	7,018,756	1,216,097
b. Water Sales	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	32,908	337,219	79,151
c. Sewer Sales	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	16,653	172,002	39,376
d. Other operating revenue	13,651	15,090	21,352	20,829	9,348	34,898	10,349	30,511	9,708	21,194	47,474	32,758	208,790	80,231
Revenue - Total	657,120	617,162	559,307	632,439	650,709	701,637	648,847	686,776	647,007	631,154	731,180	683,675	7,736,766	1,414,855
Expenses - US\$														
Fuel & Lubricants	324,559	289,207	267,204	312,148	318,439	338,876	314,459	309,642	309,098	306,466	328,534	315,199	3,799,614	643,733
Salaries, Wages & Benefits	86,183	114,829	97,726	102,212	97,018	98,743	90,353	107,044	105,970	102,394	122,607	106,746	1,179,800	229,353
Contractual Services	8,934	5,039	4,723	5,762	4,996	5,316	5,077	5,298	5,372	4,992	0	0	73,902	0
O&M - Power Generation	9,175	44,696	32,945	5,747	10,542	21,962	14,283	18,010	22,190	24,300	5,271	7,758	209,237	13,029
O&M - Power Distribution	17,556	4,237	3,130	12,231	12,053	10,265	4,302	3,741	8,258	5,713	8,579	13,343	97,075	21,922
O&M - Water	787	3,616	220	5,726	5,154	3,710	996	1,551	2,026	10,659	1,524	963	41,704	2,486
O&M - Sewer	1,650	795	62	262	0	421	600	0	6,025	36	0	64	9,921	64
Finance & Administration Overheads	69,378	62,013	38,878	39,494	52,298	77,357	63,218	57,763	45,990	84,748	44,063	42,864	691,996	86,927
Vehicle & Eq. Fuel	11,732	14,678	10,798	9,244	23,045	13,952	10,860	17,865	11,034	12,789	12,400	7,913	157,624	20,313
CPUC Power Usage (incl. in O&M from Oct 15)	12,583	12,511	9,879	12,206	13,066	10,970	11,705	11,967	14,380	15,451	11,369	11,640	154,062	23,009
Training	0	0	0	0	0	0	0	0	146	0	0	0	146	0
Expense - Total	542,538	551,620	465,565	505,033	536,611	581,571	515,853	532,881	530,488	567,548	534,346	506,490	6,415,080	1,040,836
Operating Income/(Loss)	114,582	65,542	93,742	127,406	114,097	120,065	132,994	153,895	116,518	63,606	196,834	177,184	1,321,686	374,019
Non-Cash Expenses - US\$														
Depreciation	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	-115,228	110,553	110,553	1,188,491	221,106
Interest Expense	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	26,320	4,712	4,712	83,390	9,424
Non-Cash Expense - Total - US\$	123,708	123,708	123,708	123,708	123,708	123,708	123,708	123,708	123,708	-88,909	115,265	115,265	1,271,881	230,531
Income/(Loss) - excluding grant support - US\$	-9,126	-58,166	-29,966	3,698	-9,611	-3,643	9,286	30,187	-7,190	152,515	81,569	61,919	49,806	143,488
Non-operating Income (Grant Support) - US\$	31	28	-1,417	0	26,571	-27,657	0	14,194	-4,802	154,012	3,875	100	0	3,975
Income/(Loss) - including grant support - US\$	-9,095	-58,139	-31,382	3,699	16,960	-31,300	9,286	44,381	-11,992	306,527	85,444	62,019	49,806	147,463

Financial Table 2 Cash Flow and A/R Report – December 2018 to November 2019

Cash Flow Report - US\$	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020
Receipts	609,554	495,964	502,977	560,338	571,094	752,602	536,996	616,328	478,101	733,594	696,175	485,013	6,993,347	1,181,188
Disbursements	522,456	685,740	482,306	815,182	469,484	520,832	525,879	716,012	418,765	435,517	765,524	436,275	6,590,718	1,201,799
Net receipts/Disbursements	87,098	-189,776	20,671	-254,844	101,610	231,770	11,117	-99,683	59,336	298,077	-69,349	48,738	402,629	-20,611
Cash balance (beginning)	1,265,763	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	1,128,509	1,531,138
Cash balance (end)	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	1,531,138	1,461,789
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)	1,351,167	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	1,529,444	1,460,095
Stocks	1,336,202	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	1,195,812	1,238,083
Trade Receivable	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	400,602	698,514	764,676
Prepaid Lease	288,798	286,766	284,735	282,703	280,671	278,640	276,608	274,576	272,545	269,879	267,817	265,756	269,879	267,817
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	649,881	649,881	649,881
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	905,956	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	921,301	1,878,938
Loans Payable	4,085,588	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	3,855,776	3,856,389
Total Accounts Receivable (to date) - US\$														
Government Power	382,595	385,375	393,099	356,369	408,056	366,946	402,465	425,435	484,014	256,352	306,623	258,904	256,352	306,623
Commercial Power	-39,122	0	86,794	105,986	108,470	79,490	113,226	95,490	85,852	201,305	192,522	-74,706	201,305	192,522
Residential Power	159,235	161,590	131,111	133,425	137,780	140,179	143,299	150,849	153,848	113,464	118,368	138,429	113,464	118,368
Water	77,789	77,608	160,233	151,706	163,463	150,682	139,937	141,361	149,569	265,746	268,594	187,729	265,746	268,594
Sewer	277,158	289,004	178,583	193,229	209,061	199,443	217,467	232,854	249,370	137,211	154,133	165,810	137,211	154,133
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	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	400,602	698,514	764,676

Financial Table 3 Power Sales Report – December 2018 to November 2019

Power Sales Report	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	69,157	87,369	73,785	78,489	89,656	89,941	86,253	78,496	76,883	81,013	73,834	68,515	963,911	142,349
Government - Pre Paid (Cash Power)	50,728	33,519	34,643	29,986	42,001	40,141	39,592	26,309	35,142	45,122	46,967	26,723	457,692	73,690
Government Streetlights	3,083	3,083	3,083	3,083	2,940	3,038	2,941	3,038	3,038	2,940	3,038	2,940	36,293	5,979
Solar	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	2,680	2,788	47,979	5,468
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Total	126,966	127,969	115,510	115,556	138,596	137,118	132,784	111,841	119,062	133,074	126,520	100,966	1,505,875	227,486
Commercial - Post Paid	223,874	265,051	211,671	239,394	255,743	258,844	240,595	267,872	240,669	230,215	243,113	228,596	2,953,579	471,709
Commercial - Pre Paid (Cashpower)	96,160	88,719	70,336	90,016	90,529	94,978	90,697	93,796	99,586	78,824	106,176	83,183	1,080,406	189,359
Commercial - Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	320,034	353,770	282,008	329,410	346,272	353,822	331,292	361,668	340,255	309,039	349,289	311,779	4,033,986	661,068
Residential - Post Paid	7,568	6,237	6,070	7,327	7,085	5,880	4,501	3,973	5,380	6,211	6,234	6,411	73,621	12,646
Residential - Pre Paid (Cashpower)	155,168	132,124	114,831	136,588	137,594	156,856	141,797	155,624	149,087	145,643	155,492	137,200	1,723,466	292,692
Residential Scratch Card Sales	20,857	11,435	17,956	13,746	15,623	16,637	15,382	16,674	15,302	17,543	18,249	14,506	188,513	32,755
Residential Total	183,593	149,796	138,857	157,661	160,302	179,373	161,680	176,271	169,769	169,397	179,975	158,117	1,985,600	338,092
Trade Power Sales Total	630,593	631,536	536,375	602,627	645,170	670,313	625,756	649,780	629,087	611,510	655,784	570,863	7,525,461	1,226,646
Intercompany - CPUC Office	1,503	1,131	1,188	1,417	1,417	1,520	1,434	1,443	1,730	1,428	1,625	1,608	16,965	3,232
Intercompany - CPUC Power Operation	2,639	3,034	3,101	3,461	3,517	3,252	3,324	3,633	3,163	3,090	3,449	3,168	38,006	6,617
Intercompany - CPUC Water Operations	6,363	5,834	4,371	5,075	6,720	5,641	5,412	5,477	5,885	6,105	5,482	5,642	69,124	11,124
Intercompany - CPUC Sewer Operations	6,220	6,677	5,508	7,131	6,346	5,329	6,293	6,490	8,495	9,346	5,887	5,998	84,938	11,885
Cash Power UnEamed	12,262	-15,070	8,515	6,464	-7,116	1,248	1,182	2,070	-1,101	-8,550	-13,369	14,077	-13,411	708
Provision on Rate Refund	-57,929	-61,149	-52,185	-58,173	-61,397	-63,319	-58,977	-61,621	-60,285	-59,530	2,680	2,788	-702,328	
Total Power Sales - US\$	601,650	571,992	506,873	568,002	594,657	623,984	584,423	607,271	586,974	563,399	661,538	604,144	7,018,756	1,265,681
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	114,867	143,735	125,383	132,491	149,022	152,036	154,814	140,930	139,618	151,356	142,289	138,483	1,655,387	280,772
Government - Pre Paid (Cash Power)	88,223	61,133	64,309	54,779	75,583	71,680	70,486	47,515	63,919	82,025	89,223	53,456	820,299	142,680
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	20,754
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	213,467	215,245	200,069	197,647	234,982	234,094	235,676	198,822	213,914	243,758	241,889	202,316	2,600,210	444,205
Commercial - Post Paid	407,901	519,204	419,500	463,469	488,861	487,611	442,981	493,900	448,454	445,765	482,158	475,171	5,582,156	957,329
Commercial - Pre Paid (Cashpower)	173,260	167,933	135,601	170,678	168,992	175,885	167,430	175,747	187,969	148,697	209,668	173,334	2,009,351	383,003
Commercial Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	581,161	687,137	555,101	634,148	657,853	663,496	610,411	669,647	636,423	594,462	691,827	648,505	7,591,507	1,340,332
Residential - Post Paid	14,025	12,874	12,412	14,671	13,976	11,492	8,802	7,774	10,643	12,675	14,268	14,944	144,944	27,821
Residential - Pre Paid (Cashpower)	295,614	265,203	235,021	274,659	272,140	307,620	277,165	309,023	298,353	291,286	326,389	304,957	3,395,343	631,345
Residential Scratch Card Sales	39,434	26,220	28,717	27,348	32,598	32,434	32,142	30,657	30,460	32,839	37,560	32,036	369,106	69,596
Residential Total	349,072	304,297	276,150	316,678	318,714	351,546	318,109	347,454	339,456	336,800	377,501	351,261	3,909,393	728,763
Trade Power Sales Total	1,143,700	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	14,101,110	2,513,300
Intercompany - CPUC Office	5,963	4,488	4,714	5,624	5,624	6,031	5,689	5,727	6,864	5,665	6,447	6,380	67,321	12,827
Intercompany - CPUC Power Operation	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	12,571	150,819	26,257
Intercompany - CPUC Water Operations	25,250	23,152	17,345	20,139	26,666	22,385	21,476	21,733	23,354	24,226	21,754	22,389	274,303	44,143
Intercompany - CPUC Sewer Operations	24,681	26,495	21,857	28,296	25,183	21,147	24,973	25,754	33,711	37,087	23,362	23,802	337,056	47,164
Cash Power Unearned (accrual)	20,020	-33,182	14,290	14,106	-11,940	3,183	2,497	0	-2,787	-16,195	-31,992	21,334	-28,820	-10,658
Total Power Sales - kWh	1,230,086	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	14,901,789	2,633,033

Financial Table 4 Water Sales Report – December 2018 to November 2019

Water/Sewer Sales Report	Dec 18	Jan 19	Feb 19	Mar 19	Mar 20	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	6,313	4,945	6,628	5,740	10,312	8,252	11,075	10,159	12,735	10,722	10,965	11,212	97,425	22,177
Commercial	11,402	6,239	8,195	12,287	10,538	11,067	13,812	12,413	10,018	10,925	23,856	10,731	126,928	34,587
Residential	10,902	7,050	3,634	10,933	10,022	8,799	11,163	11,034	11,055	11,104	11,422	10,965	112,866	22,387
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	32,908	337,219	79,151
Sewer Sales - US\$														
Government	3,015	2,341	3,193	2,621	4,903	3,888	5,212	4,737	6,085	5,082	5,140	5,311	46,111	10,451
Commercial	7,211	6,981	7,093	9,172	8,109	8,109	9,972	9,335	8,176	7,065	14,818	8,324	96,201	23,142
Commercial with No Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential	2,975	2,523	2,340	2,853	2,820	2,638	2,840	1,316	2,255	1,663	2,765	3,018	29,690	5,783
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	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	16,653	172,002	39,376
Total Water & Sewer Sales	41,818	30,079	31,082	43,607	46,703	42,754	54,075	48,994	50,324	46,562	68,965	49,562	509,221	118,526
Water Sales - Gallons														
Government	1,289,270	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	20,597,070	4,484,032
Commercial	2,354,520	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	25,588,330	7,050,191
Residential	4,021,600	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	43,836,459	8,610,963
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7,665,390	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	90,021,859	20,145,186

Financial Table 5 Key Performance Indicators – December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
1a. Non Revenue Power	15.3%	12.7%	14.6%	13.8%	11.9%	14.0%	12.9%	12.0%	12.0%	13.6%	11.5%	10.3%	13.7%	10.9%
Total Power Generated - kWh	1,451,890	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	17,267,831	2,954,580
Total Power Billed - kWh	1,230,086	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	14,901,789	2,633,033
Generation Loss (actual from Jun 17)	23,184	22,614	23,842	24,392	25,454	25,480	24,504	25,321	24,268	17,928	20,133	18,951	284,350	39,084
Distribution Loss Derived - kWh	162,322	121,762	132,571	136,137	109,505	151,124	122,203	113,538	112,183	140,466	116,190	92,409	1,649,996	208,599
Commercial Loss (assumed 2.5%) - kWh	36,297	35,488	32,263	35,664	36,051	38,241	35,352	36,472	35,896	35,807	37,969	35,895	431,696	73,865
Total Loss - kWh	221,804	179,864	188,675	196,193	171,011	214,846	182,058	175,330	172,348	194,200	174,292	147,255	2,366,042	321,547
Distribution loss %	11.2%	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	7.8%	9.8%	7.7%	6.4%	9.6%	7.1%
1b. Non Revenue Water	68.1%	76.1%	64.9%	60.6%	58.0%	55.0%	48.7%	52.9%	56.4%	62.9%	43.4%	56.3%	63.4%	49.8%
Water Produced (million gallons)	24.06	22.50	16.48	19.79	19.07	16.25	17.93	18.41	20.28	22.32	20.34	19.78	246	40
Water Billed (million gallons)	7.67	5.39	5.78	7.79	8.01	7.31	9.20	8.67	8.84	8.29	11.51	8.64	90	20
2. Current ratio	4.33	4.06	4.01	3.47	3.51	3.71	4.26	4.56	4.12	4.42	2.19	2.60	4.42	2.60
	4.13	3.86	3.77	3.22	3.24	3.46	3.98	4.29	3.85	4.18	2.07	2.48	4.18	2.48
	7.72	6.64	12.31	9.69	10.56	11.28	12.16	10.33	11.54	11.52	5.62	6.82	11.52	6.82
	8.25	8.42	6.85	6.73	8.14	7.89	8.56	7.98	7.67	4.68	2.26	3.20	4.68	3.20
3. ROA(excludes other operating income/grant support)	0.21%	0.01%	0.09%	0.26%	0.22%	0.25%	0.28%	0.38%	0.22%	0.88%	0.33%	0.26%	3.1%	0.6%
Power Business	0.55%	0.41%	0.34%	0.59%	0.56%	0.61%	0.56%	0.74%	0.55%	0.36%	0.44%	0.40%	6.2%	0.8%
Water Business	-0.85%	-2.07%	-0.30%	-0.75%	-0.98%	-0.88%	-0.24%	-0.36%	-0.50%	5.25%	1.07%	0.62%	-3.1%	1.8%
Sewer Business	-0.98%	-1.09%	-0.90%	-0.91%	-0.96%	-1.05%	-0.84%	-1.05%	-1.08%	1.69%	-0.45%	-0.54%	-9.2%	-1.0%
4. Operating ratio	0.83	0.89	0.83	0.80	0.82	0.83	0.80	0.78	0.82	0.90	0.78	0.78	0.83	0.74
Power Business	0.78	0.82	0.81	0.76	0.78	0.79	0.77	0.74	0.78	0.83	0.77	0.75	0.79	0.73
Water Business	0.95	1.63	0.75	0.93	1.01	0.97	0.75	0.82	0.83	1.23	0.64	0.81	0.98	0.60
Sewer Business	2.44	2.93	2.17	1.98	2.08	2.38	1.66	2.32	2.29	2.79	1.26	1.56	2.28	1.39
5. Days in Accounts Receivable	27.14	31.79	37.60	32.63	35.14	29.75	34.81	35.22	39.88	34.36	33.55	18.46	33.87	18.31
Power Business	17.58	20.70	26.53	22.99	24.96	20.57	25.48	25.26	28.84	22.53	22.15	9.54	21.30	16.18
Water Business	55.35	89.17	184.88	111.12	116.22	113.47	84.88	92.95	100.14	174.56	128.09	101.39	206.27	144.68
Sewer Business	427.49	511.16	301.23	279.85	289.84	288.55	263.83	334.37	341.78	213.74	149.59	176.96	208.80	256.87

Power Table 1 Power Operation Indicators – December 2018 to November 2019

	Dec 18	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	1,428,107	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	16,910,468	2,818,549
Peak Generation - kW	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	2,868	2,943	2,968
Fuel Consumption - Gallons	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	94,640	1,145,000	194,946
Average Fuel Price (\$/Gallon)	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	3.14	38.88	6.28
Load Factor (%)	68%	72%	67%	68%	65%	70%	65%	69%	69%	66%	68%	66%	67%	68%
Capacity Factor (%)	51%	47%	47%	49%	52%	51%	52%	50%	49%	52%	53%	51%	40%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Reserve Plant Margin (%)	176%	197%	195%	183%	166%	171%	170%	180%	182%	170%	163%	172%	168%	165%
Solar PV Generation - kWh	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	55,003	357,363	136,031
Solar Generation %	1.6%	1.9%	2.1%	1.9%	1.9%	1.9%	1.8%	1.7%	1.6%	5.3%	5.3%	3.8%	2.1%	4.6%
Peak PV Generation - kW	186	213	210	206	217	223	196	196	178	593	633	430	1,713	3,903
Avoided Fuel - Gallons	1,604	1,833	1,845	1,795	1,905	1,929	1,700	1,686	1,535	5,157	5,653	3,770	24,197	9,409
Avoided Cost of Fuel - US\$	5,405	5,543	5,535	5,612	6,044	6,306	5,564	5,278	4,832	16,068	17,762	11,819	78,510	29,530
Tons of CO2 avoided	16.2	18.5	18.6	18.1	19.2	19.5	17.2	17.0	15.5	52.1	57.1	38.1	244.4	95.0
Labour Productivity (kWh/Emp/d)	1,594	1,554	1,410	1,563	1,578	1,675	1,550	1,600	1,577	1,514	1,605	1,541	1,448	1,444
SFOC (kWh/gal)	14.83	14.91	14.54	14.71	14.56	14.77	14.78	14.84	14.80	14.71	14.33	14.59	14.77	14.46
DG1 - GE 1.8	14.93	15.04	15.12	15.31	15.20	15.24	15.02	14.99	14.89	14.82	15.07	15.40	15.04	15.22
DG2 - GE 1.8	14.85	15.29	15.37	15.19	15.21	15.30	15.43	14.97	15.03	15.08	15.14	15.32	15.15	15.29
DG3 - CAT 1.6	0.00	0.00	0.00	11.45	10.12	8.42	4.81	4.81	5.99	6.55	12.79	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	0.00	1.00	12.45	14.47
DG5 - CAT 1.3	12.93	13.51	13.05	13.88	13.88	14.33	11.64	11.02	10.54	12.75	13.35	11.74	13.28	12.75
SLOC (kWh/gal)	4,698	5,396	2,344	2,174	1,811	5,342	4,891	1,565	3,758	3,237	3,754	1,531	2,917	2,193
DG1 - GE 1.8	4,304	3,105	4,448	1,242	2,986	3,257	3,538	1,322	3,211	2,263	5,027	1,464	2,409	2,378
DG2 - GE 1.8	4,855	6,150	1,670	4,854	0	0	0	0	0	0	0	0	3,157	1,135
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%	0.00%	0.04%	0.00%	0.01%	0.0%	0.0%	0.0%	0.0%	0.00%	0.02%
Planned Outage Factor (%)	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	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 (%)	26.6%	24.7%	24.9%	25.9%	27.6%	27.1%	27.2%	26.2%	26.0%	27.2%	27.9%	27.0%	27.4%	27.7%
Distribution Losses (%)	11.2%	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	0.0%	0.0%	0.0%	0.0%	13.8%	0.0%
SAIDI (hours/consumer)	0.00	0.04	0.00	0.00	0.01	0.06	0.00	0.10	0.20	0.13	0.05	0.05	0.70	0.09
SAIFI	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.024	0.010
Average Cost (\$/kWh)	0.22	0.20	0.20	0.21	0.21	0.22	0.22	0.21	0.21	0.20	0.21	0.21	0.215	0.207

Power Table 2 Power Generation Statistics – December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	667,180	388,078	453,676	523,052	591,227	462,521	470,551	631,714	606,787	497,801	794,341	670,376	6,417,815	1,464,717
DG2 - GE 1.8	723,362	781,079	571,171	621,248	566,575	807,131	786,294	768,085	769,655	755,515	85,201	435,578	8,642,917	520,779
DG3 - CAT 1.6	0	0	116,914	112,399	94,643	48,041	3,059	337	419	5,687	93,821	0	384,549	93,821
DG4 - CAT 1.3	0	249	0	0	0	0	0	0	0	0	28,249	44,969	249	73,218
DG5 - CAT 1.3	37,565	222,815	121,922	143,465	161,876	183,447	129,051	33,715	36,249	97,390	436,126	229,888	1,464,938	666,014
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,428,107	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	16,910,468	2,818,549
PP Solar F1	0	0	0	0	0	0	0	0	0	11,753	17,823	11,907	11,753	29,730
High School Solar F1	17,034	21,228	20,001	21,369	21,851	21,950	19,498	19,852	17,874	18,982	21,251	14,280	234,261	35,531
PP Solar F3	0	0	0	0	0	0	0	0	0	8,289	11,188	7,165	8,289	18,353
Airport Roof F4	6,749	6,087	6,823	5,033	5,875	6,543	5,626	5,179	4,851	5,835	4,094	4,900	72,046	8,994
Airport Carpark F4	0	0	0	0	0	0	0	0	0	15,455	19,173	11,969	15,455	31,142
WWTP F4	0	0	0	0	0	0	0	0	0	15,559	7,499	4,782	15,559	12,281
Solar PV Generation Total (kWh)	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	55,003	357,363	136,031
Total Generation (kWh)	1,451,890	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	17,267,831	2,954,580
Maximum Demand (kW)	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	2,868	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)	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	12,571	150,819	26,257
Running Hours														
DG1 - GE 1.8	652	391	417	563	408	415	459	620	614	495	715	657	6,078	1,372
DG2 - GE 1.8	680	654	476	512	489	701	710	706	723	690	80	447	7,668	527
DG3 - CAT 1.6	0	0	188	179	263	44	3	3	2	7	156	0	696	156
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	72	96	0	168
DG5 - CAT 1.3	56	330	190	229	257	302	219	63	73	163	660	380	2,317	1,040
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,388	1,375	1,271	1,483	1,417	1,462	1,391	1,392	1,412	1,355	1,683	1,580	16,759	3,263

Power Table 3 Fuel & Lube Oil Statistics – December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	44,685	25,803	30,014	34,166	38,892	30,358	31,330	42,152	40,751	33,581	52,715	43,522	426,748	96,237
DG2 - GE 1.8	48,718	51,088	37,158	40,895	37,254	52,747	50,955	51,311	51,193	50,096	5,628	28,434	570,529	34,062
DG3 - CAT 1.6	0	0	10,400	9,813	9,352	5,705	636	70	70	868	7,336	0	37,364	7,336
DG4 - CAT 1.3	0	20	0	0	0	0	0	0	0	0	1,958	3,102	20	5,060
DG5 - CAT 1.3	2,905	16,493	9,341	10,339	11,661	12,800	11,086	3,059	3,438	7,641	32,669	19,582	110,339	52,251
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	94,640	1,145,000	194,946
Average Fuel Price (\$/Gallon)	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	3.14	3.24	3.14
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	0	0	0	265	0	0	0	265	0	0	0	193	795	193
DG2 - GE 1.8	0	0	265	0	265	0	0	265	0	0	0	74	1,060	74
DG3 - CAT 1.6	0	0	0	95	95	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	0	95	0	95	0	0	0	0	0	95	10	190	105
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	0	0	360	360	455	0	0	530	0	0	95	277	2,235	372
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	155	125	102	156	198	142	133	213	189	220	158	265	1,869	423
DG2 - GE 1.8	149	127	77	128	128	130	151	173	187	199	120	265	1,678	385
DG3 - CAT 1.6	0	0	0	0	0	9	0	0	0	0	0	0	9	0
DG4 - CAT 1.3	0	6	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	0	10	95	0	105
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	304	258	179	284	326	281	284	386	376	419	288	625	3,562	913

Power Table 4 Distribution Feeder Statistics - December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	2019 YTD	2020 YTD
Feeder 1 Load	368,423	363,908	332,213	362,910	370,578	392,382	372,240	369,423	384,699	386,137	407,452	378,027	4,474,271	785,479
Feeder 2 Load	125,549	119,343	108,647	120,877	121,341	131,055	115,761	121,066	122,901	119,729	138,717	130,673	1,458,635	269,390
Feeder 3 Load	439,710	425,879	378,375	369,016	371,308	451,818	425,513	444,707	428,584	418,712	448,906	428,625	5,043,967	877,531
Feeder 4 Load	337,042	327,462	291,736	327,599	327,958	355,720	329,687	323,485	322,614	336,348	342,362	322,669	3,962,444	665,031
Feeder 5 Load	157,982	160,330	155,694	221,772	225,408	173,178	146,374	174,880	152,769	153,412	161,196	156,869	2,044,163	318,065
Total Feeder Load (kWh)	1,428,706	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	16,983,480	2,915,496
													0	0
Feeder 1 Sales	343,035	310,536	286,347	309,811	329,490	339,789	324,497	316,825	332,997	336,964	361,522	343,672	3,893,759	705,194
Feeder 2 Sales	109,677	92,743	90,199	108,059	102,802	103,369	100,886	95,926	106,867	104,991	106,453	114,640	1,214,353	221,093
Feeder 3 Sales	341,229	377,205	333,026	349,196	371,166	383,050	351,041	378,385	352,601	343,851	388,632	359,997	4,314,626	748,629
Feeder 4 Sales	299,126	309,193	276,496	301,636	312,730	333,010	312,561	309,279	317,987	298,274	314,634	312,604	3,693,340	627,237
Feeder 5 Sales	120,489	141,257	117,478	126,995	139,094	138,207	132,854	165,865	136,441	136,997	146,228	143,605	1,623,610	289,832
Total Feeder Sales (kWh)	1,213,555	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	14,739,689	2,591,986
Feeder 1 Loss - kWh	25,388	53,372	45,866	53,099	41,088	52,593	47,743	52,598	51,702	49,173	45,930	34,355	580,512	80,285
Feeder 2 Loss - kWh	15,872	26,600	18,448	12,818	18,539	27,686	14,875	25,140	16,034	14,738	32,264	16,033	244,282	48,297
Feeder 3 Loss - kWh	98,481	48,674	45,349	19,820	142	68,768	74,472	66,322	75,983	74,861	60,274	68,628	729,341	128,902
Feeder 4 Loss - kWh	37,916	18,269	15,240	25,963	15,228	22,710	17,126	14,206	4,627	38,074	27,728	10,065	269,104	37,794
Feeder 5 Loss - kWh	37,493	19,073	38,216	94,777	86,314	34,971	13,520	9,015	16,328	16,415	14,968	13,264	420,553	28,233
Total Feeder Loss - kWh	215,151	165,988	163,119	206,476	161,311	206,729	167,735	167,282	164,674	193,261	181,165	142,346	2,243,791	323,510
Feeder 1 Loss - %	6.9%	14.7%	13.8%	14.6%	11.1%	13.4%	12.8%	14.2%	13.4%	12.7%	11.3%	9.1%	13.0%	10.2%
Feeder 2 Loss - %	12.6%	22.3%	17.0%	10.6%	15.3%	21.1%	12.8%	20.8%	13.0%	12.3%	23.3%	12.3%	16.7%	17.9%
Feeder 3 Loss - %	22.4%	11.4%	12.0%	5.4%	0.0%	15.2%	17.5%	14.9%	17.7%	17.9%	13.4%	16.0%	14.5%	14.7%
Feeder 4 Loss - %	11.2%	5.6%	5.2%	7.9%	4.6%	6.4%	5.2%	4.4%	1.4%	11.3%	8.1%	3.1%	6.8%	5.7%
Feeder 5 Loss - %	23.7%	11.9%	24.5%	42.7%	38.3%	20.2%	9.2%	5.2%	10.7%	10.7%	9.3%	8.5%	20.6%	8.9%
Total Feeder Loss - %	15.1%	11.9%	12.9%	14.7%	11.4%	13.7%	12.1%	11.7%	11.7%	13.7%	12.1%	10.0%	13.2%	11.1%

Power Table 5 Customer Energy Use By Category and By Feeder – November 2019

Feeder	kWh/ Connection		
	Residential	Commercial	Government
F01	271	1,467	7,421
F02	212	2,196	1,431
F03	242	2,294	551
F04	204	3,601	2,562
F05	162	2,946	1,903
Total	218	2,501	2,774

Power Table 6 Power Distribution Statistics – December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
Number of Outages (Frequency)														
Forced - Generation	0	0	0	0	0	1	0	1	0	0	2	1	2	3
Planned - Generation	0	0	0	0	2	0	0	0	0	0	0	0	2	0
Total Number of Outages (Gen)	0	0	0	0	2	1	0	1	0	0	2	1	4	3
Forced - Distribution	0	1	0	0	0	5	0	6	0	3	11	5	21	16
Feeder 1	0	0	0	0	0	1	0	1	0	0	2	1	2	3
Feeder 2	0	1	0	0	0	1	0	2	0	0	3	1	4	4
Feeder 3	0	0	0	0	0	1	0	1	0	3	2	1	5	3
Feeder 4	0	0	0	0	0	1	0	1	0	0	2	1	4	3
Feeder 5	0	0	0	0	0	1	0	1	0	0	2	1	6	3
Planned - Distribution	0	0	0	0	10	0	0	0	3	5	0	0	18	0
Feeder 1	0	0	0	0	2	0	0	0	1	1	0	0	4	0
Feeder 2	0	0	0	0	2	0	0	0	0	1	0	0	3	0
Feeder 3	0	0	0	0	2	0	0	0	1	1	0	0	4	0
Feeder 4	0	0	0	0	2	0	0	0	0	1	0	0	3	0
Feeder 5	0	0	0	0	2	0	0	0	1	1	0	0	4	0
Total Number of Outages (Dist)	0	1	0	0	10	5	0	6	3	8	11	5	39	16

Power Table 7 Power Outage Statistics – December 2018 to November 2019

	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	FY2019	FY2020 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.3
Planned - Generation	0.0	0.0	0.0	0.0	0.1	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	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.3
Forced - Distribution	0.0	1.1	0.0	0.0	0.0	1.6	0.0	2.7	0.0	3.2	1.3	1.3	13.0	2.6
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.3	0.4	0.5
Feeder 2	0.0	1.1	0.0	0.0	0.0	0.3	0.0	2.4	0.0	0.0	0.6	0.3	3.8	0.8
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	3.2	0.0	0.3	3.6	0.3
Feeder 4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.3	0.8	0.4
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.3	0.3	4.5	0.6
Planned - Distribution	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	5.3	0.4	0.0	0.0	6.0	0.0
Feeder 1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.7	0.1	0.0	0.0	1.8	0.0
Feeder 2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.8	0.1	0.0	0.0	1.9	0.0
Feeder 4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Feeder 5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.9	0.1	0.0	0.0	2.0	0.0
Total Duration Dist Outage (Hrs)	0.0	1.1	0.0	0.0	0.3	1.6	0.0	2.7	5.3	3.6	1.3	1.3	19.0	2.6

Water Table 1 Water Production & Sales Data Statistics – December 2018 to November 2019

COMPANY WIDE DATA	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	FY2020 YTD
Water Production (Millions)													
WTP Production	1,900,500	824,300	0	13,300	800	8,500	365,400	422,700	800	72,800	880,000	716,800	1,596,800
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	1,164,000
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	1,164,000
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)	22,162,684	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	38,524,300
Volume into network	24,063,184	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	40,121,100
Water Volume Billable (Millions)													
Commercial	1,759,840	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	7,128,451
Government (excludes hospital)	626,300	446,046	435,389	874,404	0	620,021	756,715	950,953	1,275,962	1,183,295	999,880	1,031,232	2,031,112
Government Hospital	643,300	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	2,428,900
Residential	4,364,060	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	8,556,723
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	7,393,500	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	20,145,186
NRW													
Volume	16,669,684	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	19,975,914
Percentage	69.3%	75.9%	66.7%	60.8%	62.5%	55.8%	47.5%	52.9%	56.4%	61.7%	43.4%	56.3%	49.8%
Invoiced Water Value													
Water Delivery and Bunkering													0
Commercial	\$11,474	\$8,378	\$8,223	\$12,287	\$10,538	\$11,088	\$13,812	\$12,413	\$10,018	\$10,925	\$23,856	\$10,731	34,587
Government (includes hospital)	\$6,314	\$4,945	\$6,628	\$5,740	\$10,312	\$8,252	\$11,075	\$10,159	\$12,736	\$10,722	\$10,965	\$11,212	22,177
Residential	\$11,186	\$7,051	\$7,096	\$10,963	\$10,022	\$8,799	\$11,163	\$11,034	\$11,351	\$11,104	\$12,027	\$11,279	23,307
Total	\$28,974	\$20,374	\$21,947	\$28,990	\$30,871	\$28,139	\$36,051	\$33,606	\$34,105	\$32,751	\$46,848	\$33,222	\$80,070
Sewer Charges (\$)													
Commercial	\$3,526	\$3,296	\$3,407	\$5,719	\$4,629	\$4,900	\$6,551	\$5,885	\$4,726	\$4,540	\$11,435	\$4,972	16,407
Commercial - w/o water	\$3,685	\$3,685	\$2,652	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,379	\$2,379	\$2,379	4,759
Government	\$3,015	\$2,341	\$3,193	\$2,621	\$4,903	\$3,888	\$5,212	\$4,737	\$6,085	\$5,082	\$5,140	\$5,311	10,451
Residential	\$1,005	\$533	\$532	\$917	\$864	\$698	\$929	\$891	\$928	\$858	\$905	\$905	1,810
Residential w/o water	\$1,990	\$1,990	\$2,040	\$2,064	\$2,036	\$1,940	\$1,940	\$1,920	\$1,920	\$1,910	\$1,910	\$1,960	3,870
Total	\$13,221	\$11,845	\$11,823	\$13,769	\$14,878	\$13,873	\$17,080	\$15,879	\$16,105	\$14,769	\$21,769	\$15,528	\$37,297

Water Table 2 Water/Sewer Connection Data – December 2018 to November 2019

COMPANY WIDE DATA	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	FY2020 YTD
Water Connection Data (No. of Connections)	478	479	479	444	447	468	479	485	478	478	480	478	478
Commercial - Billed	76	76	77	72	73	78	83	81	81	81	81	81	81
Commercial - Disconnected	8	8	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 Avge Consumption - Gall/conn/mth	23,156	20,204	21,032	35,257	27,743	26,688	33,699	32,700	27,116	29,553	62,042	25,964	88,006
Government - Billed	14	18	16	18	19	19	19	21	18	19	19	18	18
Government - Disconnected	7	7	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 Avge Consumption - Gall/conn/mth	44,736	24,780	27,212	48,578	0	32,633	39,827	45,283	70,887	62,279	52,625	57,291	112,840
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 Avge Consumption - Gall/conn/mth	643,300	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	2,428,900
Residential - Billed	387	384	385	353	354	370	376	382	378	377	379	378	378
Residential - Disconnected	104	104	5	4	4	3	3	3	3	3	3	3	3
Residential - Meter Pulled	93	93	4	2	2	2	3	0	1	1	1	1	1
Residential Avge Consumption - Gall/conn/mth	11,277	7,412	6,576	11,616	11,109	9,637	11,513	10,392	10,781	10,589	11,297	11,310	22,637
Sewer Connection Data (No. of Connections)	483	518	501	480	462	491	489	490	487	484	487	491	491
Commercial Billed	39	44	42	40	42	47	46	46	48	47	47	46	46
Commercial Billed w/o water	54	54	54	43	41	43	43	43	43	43	43	43	43
Government Billed	13	17	15	17	18	19	18	20	17	18	18	17	17
Residential Billed	180	206	194	182	181	189	189	190	188	186	189	190	190
Residential Billed w/o water	197	197	196	198	180	193	193	191	191	190	190	195	195
STP Inflow (MG/month)	12.1	13.0	12.0	12.5	13.0	12.5	13.0	13.0	16.0	17.0	13.5	14.0	28
SEWER OVERFLOW W/O's													
North Zone	1	1	1	1	2	1	1	1	1	1	1	1	2
South Zone	1	1	2	1	1	1	1	2	2	1	0	1	1

Water Table 3 Zonal Water Use Statistics – FY2019

ZONAL NRW - November 2019					ZONAL NRW - FY2020 YTD				
Zone	Production Gallons	Sales Gallons	NRW		Zone	Production Gallons	Sales Gallons	NRW	
			Gallons	%				Gallons	%
1	48,000	27,106	20,894	44%	1	96,000	59,572	36,428	38%
2	15,492,200	5,604,751	9,887,449	64%	2	31,567,700	14,165,814	17,401,886	55%
3	10,000	0	10,000	0%	3	20,000	100	19,900	100%
4	750,500	228,300	522,200	70%	4	1,544,900	472,440	1,072,460	69%
5	0	0	0	0%	5	0	13,500	-13,500	-
6	2,487,800	2,043,000	444,800	18%	6	4,892,400	3,921,910	970,490	20%
7	100,000	101,880	-1,880	-2%	7	200,000	230,630	-30,630	-15%
8	895,100	633,302	261,798	29%	8	1,800,100	1,281,232	518,868	29%
Total	19,783,600	8,638,339	11,145,261	56.3%	Total	40,121,100	20,145,198	19,975,902	49.8%
ZONAL WATER CONSUMPTION - November 2019					ZONAL WATER CONSUMPTION - FY2020 YTD				
Zone	Avge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commescia	Govesnment	Hospital	Residential		Commercial	Government	Hospital	Residential
1	0	0	-	4,517	1	0	0	-	9,927
2	27,116	38,921	-	10,307	2	93,738	75,621	-	20,821
3	0	0	-	0	3	0	0	-	0
4	0	0	-	16,307	4	0	0	-	33,746
5	0	0	-	0	5	0	0	-	0
6	15,963	0	1,229,000	478	6	31,542	0	2,428,900	31,799
7	0	0	-	16,980	7	0	0	-	38,438
8	0	105,052	-	9,757	8	0	209,608	-	20,961
Total	43,079	143,973	1,229,000	58,346	Total	313,646	424,864	10,404,000	118,120

Work Order Summary – End November 2019

Work Order Performance November 2019						
Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	3	0	0	0	2	1
INTERNAL POWER	2	1	1	0	0	3
INTERNAL SEWER	0	0	0	0	0	0
INTERNAL WATER	0	0	0	0	0	0
POWER	26	3	3	0	9	20
REVENUE	35	15	16	0	12	38
SEWER	22	15	15	0	21	16
WATER	176	88	96	0	143	121
TOTAL ALL WORK ORDERS	264	122	131		187	199
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and New	WO Outstanding At End		
INTERNAL MAINTENANCE	1.1%	0.0%	-	0.5%		
INTERNAL POWER	0.8%	0.8%	-	1.5%		
INTERNAL SEWER	0.0%	0.0%	-	0.0%		
INTERNAL WATER	0.0%	0.0%	-	0.0%		
POWER	9.8%	2.5%	31.0%	10.1%		
REVENUE	13.3%	12.3%	24.0%	19.1%		
SEWER	8.3%	12.3%	56.8%	8.0%		
WATER	66.7%	72.1%	54.2%	60.8%		
TOTAL ALL WORK ORDERS			48.4%			

Administration Table 1 H&S Statistics – November 2019



HEALTH & SAFETY REPORT: FY2020 - November 2019

1. ACCIDENT REPORT

DEPARTMENT		November 2019						YEAR TO DATE - FY2020					
	Number of Staff	Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	23	3,388	0	0	0	0	0	6,914	0	0	0	0	0
Maintenance	5	989	0	0	0	0	0	2,005	0	0	0	0	0
Power Distribution - Line	22	3,005	0	0	0	0	0	6,128	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0
Water & Sewer	27	4,303	0	0	0	0	0	8,809	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	2,836	0	0	0	0	0	5,369	0	0	0	0	0
TOTAL	96	14,521	0	0	0	0	0	29,224	0	0	0	0	0

FA - Number of First Aid cases

Total Hours Without Incident - Whole Company 882,846

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		November 2019		
	Number of Staff	Total Hours Sick	Accident Related	Poor Health
Power Generation	23	98	0	98
Maintenance	5	8	0	8
Power Distribution - Line	22	155	0	155
Power Distribution - Contractors	0	0	0	0
Water & Sewer	27	99	0	99
Water & Sewer Contractors	0	0	0	0
Fin, Admin, Cust Care	19	100	0	100
TOTAL	96	459	0	459

Year To Date FY2020		
Total Hours Sick	Accident Related	Poor Health
161	0	161
19	0	19
304	0	304
0	0	0
199	0	199
0	0	0
256	0	256
939	0	939

Sick Hours as Percentage of Total Hours Worked		3.2%	0.0%	3.2%
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3.2%	0.0%	3.2%
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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	23	2.9%	0.0%	2.9%
Maintenance	5	0.8%	0.0%	0.8%
Power Distribution - Line	22	5.2%	0.0%	5.2%
Power Distribution - Contractors	0	-	-	-
Water & Sewer	27	0.0%	0.0%	0.0%
Water & Sewer Contractors	0	-	-	-
Fin, Admin, Cust Care	19	3.5%	0.0%	3.5%
TOTAL	96	3.2%	0.0%	3.2%

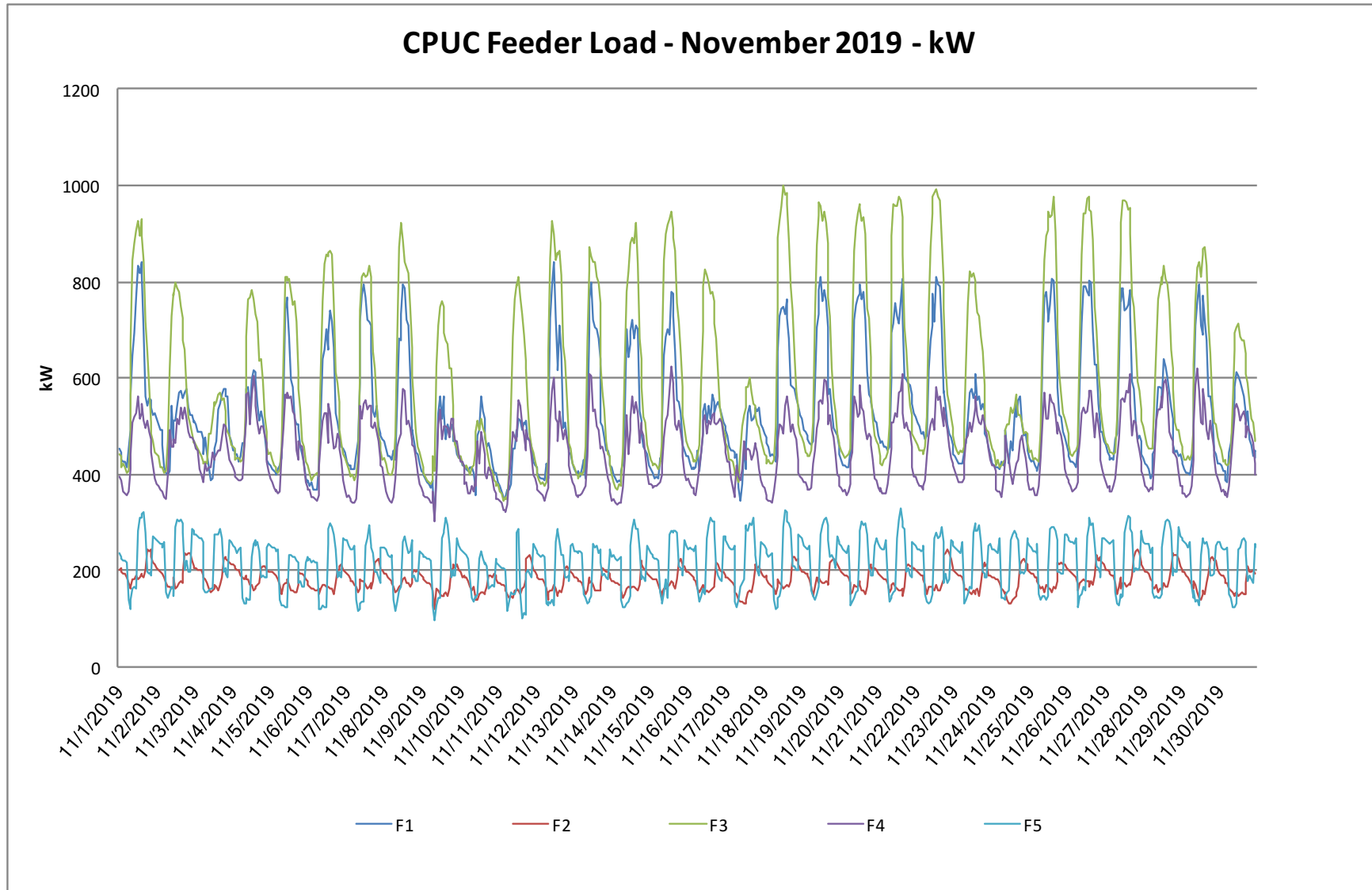
Administration Table 2 Attendance Summary – November 2019 & FY 2020

DEPARTMENT	November 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	23	3,059	329	135	98	160	3,781	135	6,295	618	331	161	271	7,677	190	2.1%
Maintenance	5	747	241	39	8	16	1,052	0	1,530	474	94	19	23	2,140	0	0.9%
Power Distribution - Line	22	2,861	145	250	155	277	3,687	39	5,812	316	592	304	573	7,596	54	4.0%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Water & Sewer	27	3,721	582	231	99	122	4,754	23	7,598	1,211	558	199	249	9,815	41	2.0%
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	2,647	189	193	100	216	3,344	4	4,960	409	425	256	533	6,583	4	3.9%
TOTAL EMPLOYEES	96	13,035	1,486	848	459	791	16,618	201	26,196	3,028	2,000	939	1,649	33,811	289	2.8%
REGULAR STAFF	96	13,035	1,486	848	459	791	16,618	201	26,196	3,028	2,000	939	1,649	33,811	289	
Hours as % of Total Hours Claimed		78.4%	8.9%	5.1%	2.8%	4.8%		1.2%	77.5%	9.0%	5.9%	2.8%	4.9%		0.9%	

CAPEX Table 1 Capex Summary Sheet – November 2019

Chuuk Public Utility Corporation Capex Summary Sheet as of November 30, 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	375,236	375,236	0	374,764	415,000	335,000	39,764
FY 2019 Professional management - D19AF0008	204,400	204,400	149,957	54,443	0	89,268	115,132	-60,689
Total	1,016,298	845,934	791,491	54,443	374,764	770,566	450,132	-20,925

Graph Showing Feeder Loads in kW – November 2019



Graph Showing Generation Output in kW – November 2019

