

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – October 2019



Issued: 26 November 2019

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Oct-19	YTD FY2020	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Oct-19	FY2020	Oct-19	FY2020
Revenue	731,180	731,180	0.544	0.544	0.481	0.481
Variable Costs	339,903	339,903	0.253	0.253	0.224	0.224
Fixed Costs	194,443	194,443	0.145	0.145	0.128	0.128
Total Expenses	534,346	534,346	0.397	0.397	0.352	0.352
Operating result	196,834	196,834	0.146	0.146	0.130	0.130
kWh						
Power generation	1,518,766	1,518,766				
Diesel	1,437,738	1,437,738				
Solar	81,028	81,028				
Solar PV as % of Total Generation	5.3%	5.3%				
Avoided Cost of Fuel - US\$	17,762	17,762				
Tons of CO2 Avoided	57.1	57.1				
Government Sales	241,889	241,889	Feeder	Conn's	Oct-19	FY2020
Commercial Sales	691,827	691,827	F1	505	361,522	361,522
Residential Sales	377,501	377,501	F2	490	106,453	106,453
Intercompany Sales	65,249	65,249	F3	400	388,632	388,632
Sales Accrual	-31,992	-31,992	F4	393	314,634	314,634
Total Sales	1,344,474	1,344,474	F5	502	146,228	146,228
Power Loss	11.5%	11.5%	Total	2,289	1,317,468	1,317,468
Operating ratio	0.78	0.71	NB - Error on Total and Feeder sales YTD is <1.0%; 20,133 kWh station use is not included			
Water Produced - Gallons	20,337,500	20,337,500				
Water Sold - Gallons	11,506,853	11,506,853				
Non Revenue Water	43.4%	43.4%				

Daily generated output in October was 48,992 kWh/day; 2.6% higher than September. Average daily sales were 43,370 kWh/day – 5.1% higher than September. Total power loss was 11.5% YTD.

Average fuel efficiency for October was 14.30 kWh/gallon.

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

Government – 18.0%; Commercial – 51.5%; Residential – 28.1%; Intercompany 4.9%; Accrual -2.4%;

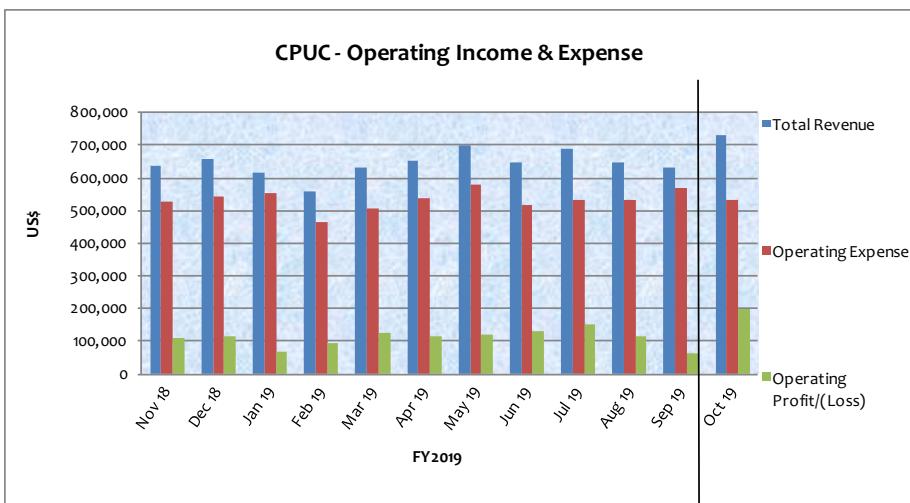
Solar PV generation increased significantly in October to 81,028 kWh or 5.3% of total generation. The avoided cost of fuel was US\$17,762 and the amount of Carbon Dioxide avoided was 57.1 tons.

The October operating result was US\$196,834 or 0.78; with a positive OR after depreciation and interest of US\$ 81,569 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. A significant improvement in arrears is anticipated in November figures as a result of the credits to be applied.

The positive return is due to a number of factors – cost control of key expenses; increased solar power generation and thereby cost of fuel that has been avoided; reduction of power loss down to 11.5%.

1 FINANCIAL PERFORMANCE GRAPHS

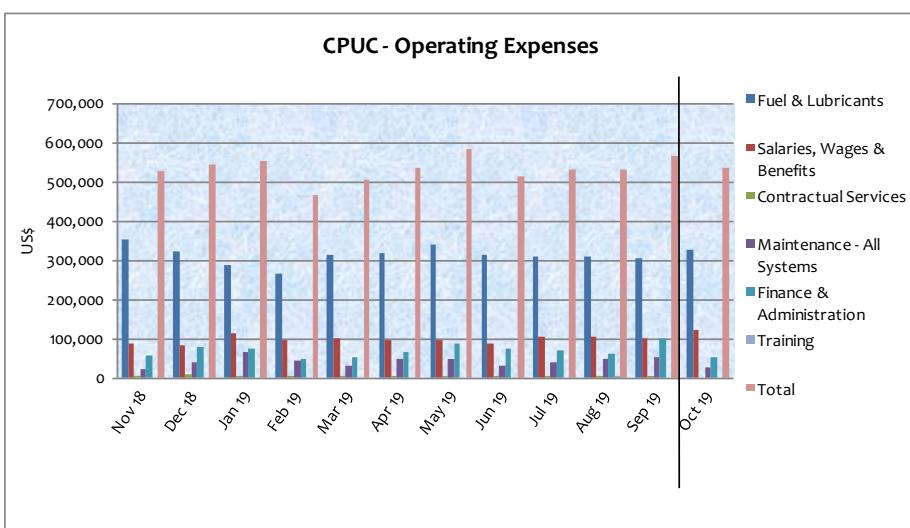


1.1 Key Points:

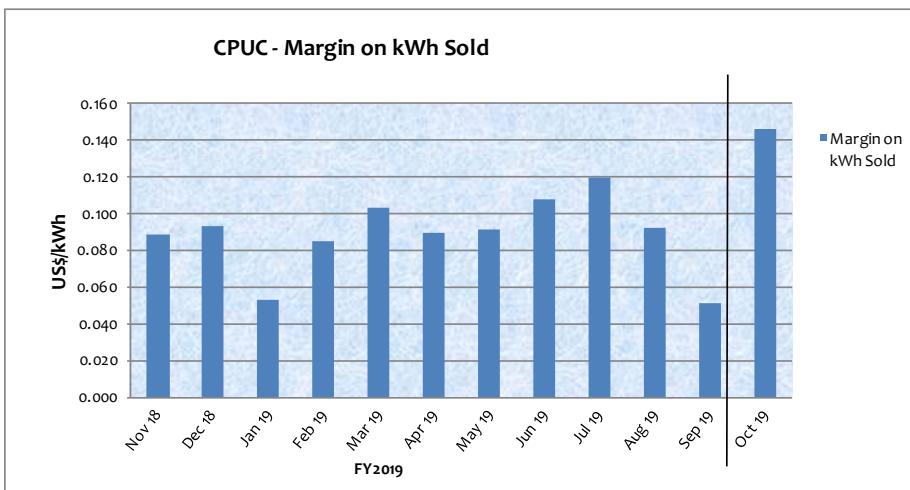
FY2020 Operating income before Depreciation & Interest :

FY2020 US\$196,834

Operating ratio: FY2020 0.78;

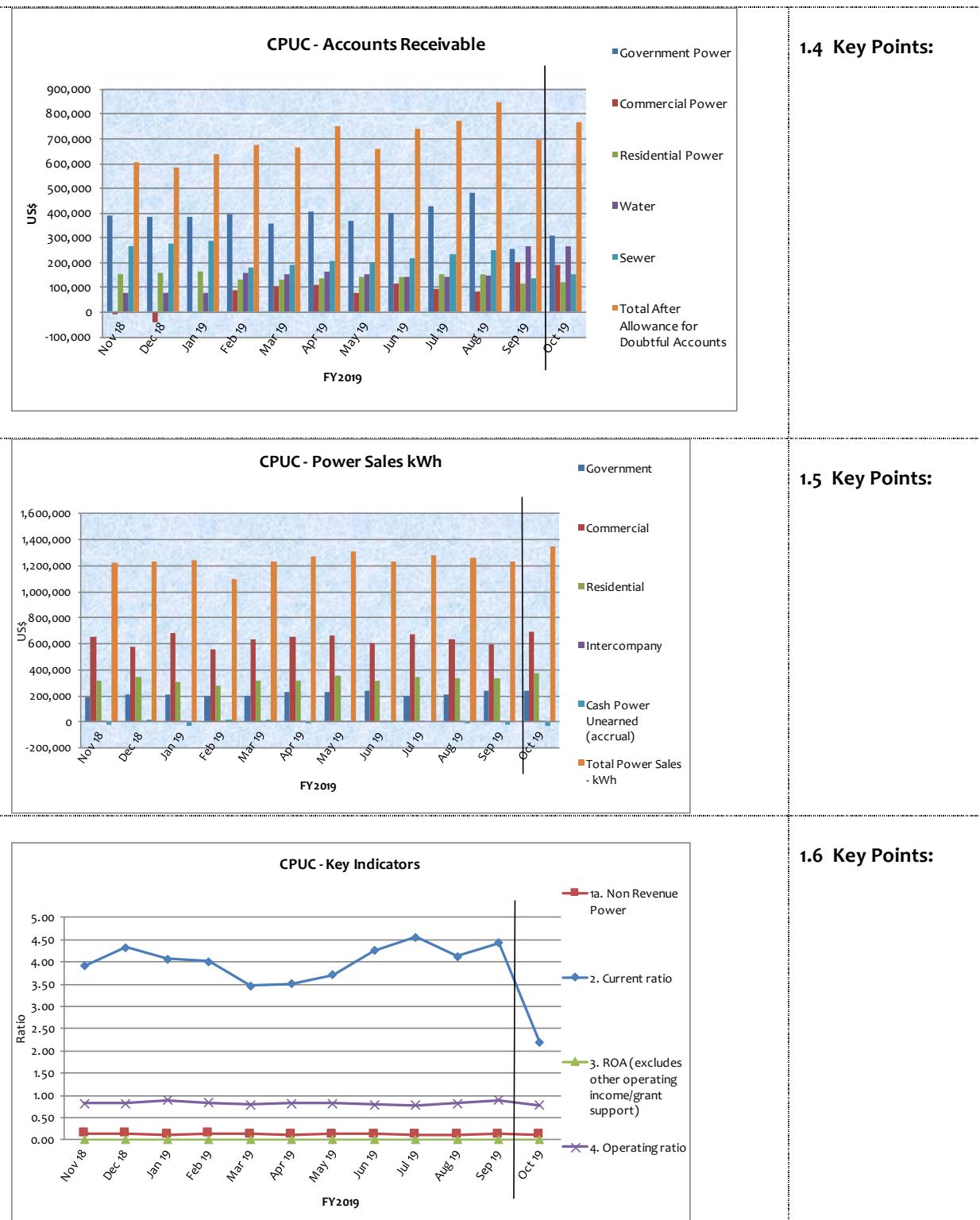


1.2 Key Points:

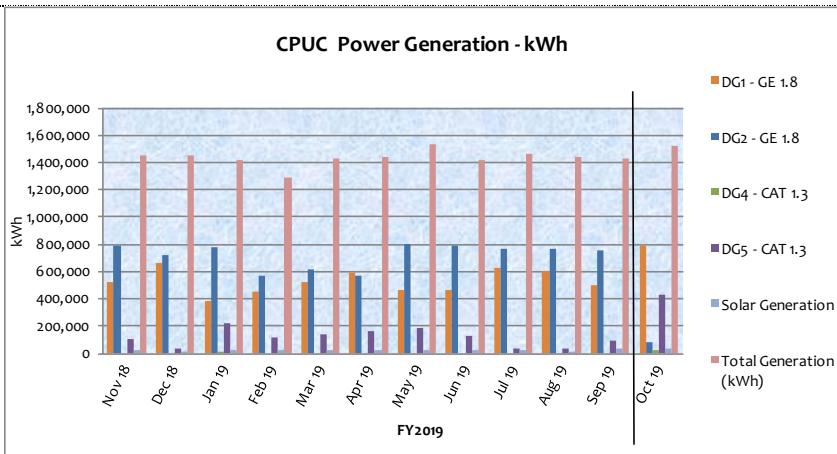


1.3 Key Points:

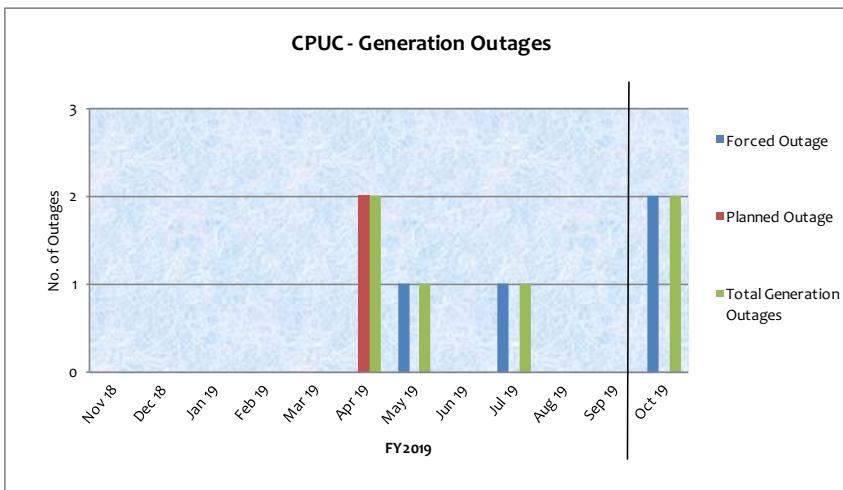
YTD US\$0.146 kWh sold.



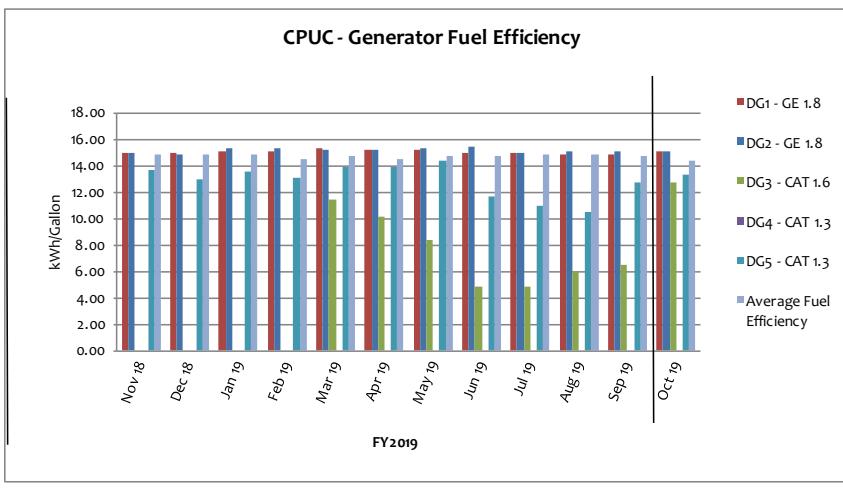
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

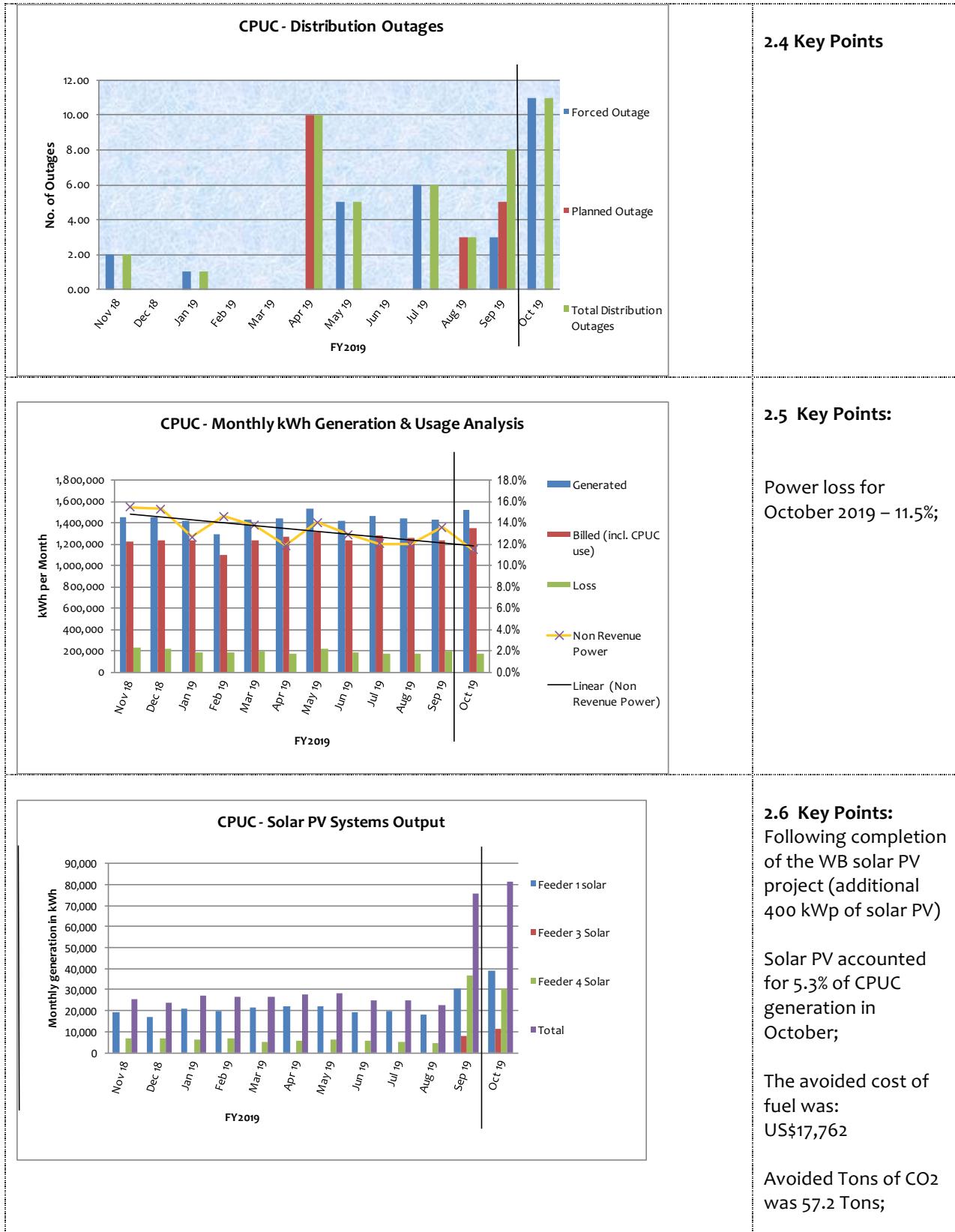


2.2 Key Points:

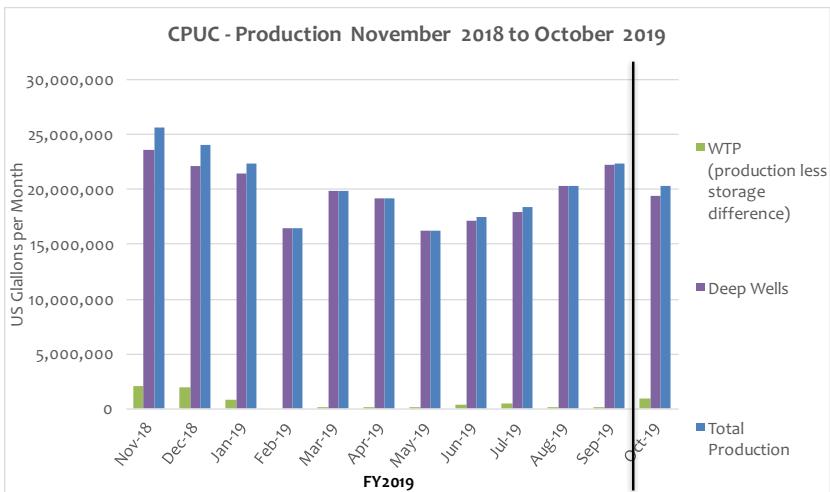


2.3 Key Points:

Avg fuel efficiency in FY2020 14.3 kWh/gall.

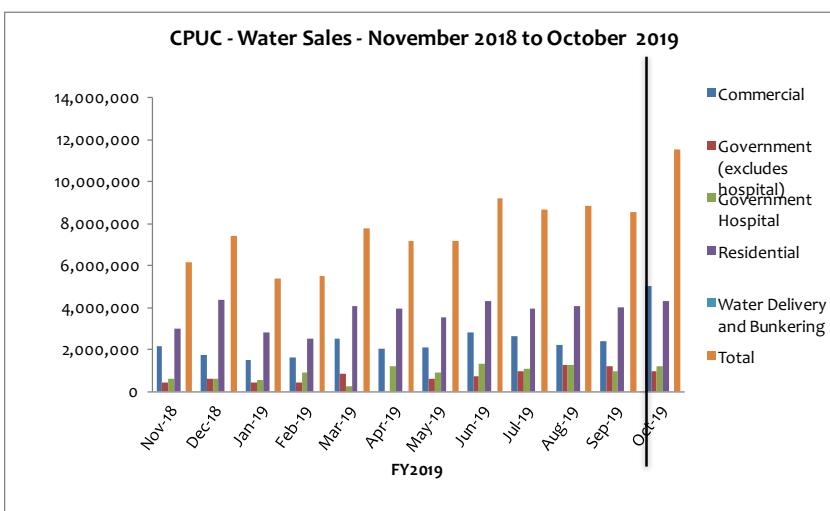


3 WATER PERFORMANCE GRAPHS

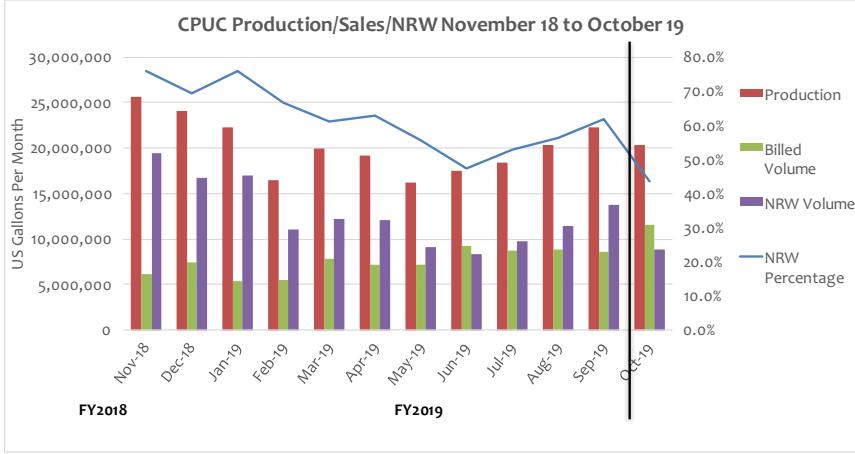


1 Key Points:

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 - November 2018 to October 2019

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Revenue - US\$														
Operating revenue:														
a. Power Sales	592,153	601,650	571,992	506,873	568,002	594,657	623,984	584,423	607,271	586,974	563,399	614,741	7,018,756	614,741
b. Water Sales	23,247	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	337,219	46,242
c. Sewer Sales	13,274	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	172,002	22,722
d. Other operating revenue	8,920	13,651	15,090	21,352	20,829	9,348	34,898	10,349	30,511	9,708	21,194	47,474	208,790	47,474
Revenue - Total	637,595	657,120	617,162	559,307	632,439	650,709	701,637	648,847	686,776	647,007	631,154	731,180	7,736,766	731,180
Expenses - US\$														
Fuel & Lubricants	351,703	324,559	289,207	267,204	312,148	318,439	338,876	314,459	309,642	309,098	306,466	328,534	3,799,614	328,534
Salaries, Wages & Benefits	86,883	86,183	114,829	97,726	102,212	97,018	98,743	90,353	107,044	105,970	102,394	122,607	1,179,800	122,607
Contractual Services	8,120	8,934	5,039	4,723	5,762	4,996	5,316	5,077	5,298	5,372	4,992	0	73,902	0
O&M - Power Generation	2,796	9,175	44,696	32,945	5,747	10,542	21,962	14,283	18,010	22,190	24,500	5,271	209,237	5,271
O&M - Power Distribution	7,355	17,556	4,237	3,130	12,231	12,053	10,265	4,302	3,741	8,258	5,713	8,579	97,075	8,579
O&M - Water	4,668	787	3,616	220	5,726	5,154	3,710	996	1,551	2,026	10,659	1,524	41,704	1,524
O&M - Sewer	0	1,650	795	62	262	0	421	600	0	6,025	36	0	9,921	0
Finance & Administration Overheads	44,688	69,378	62,013	38,878	39,494	52,298	77,357	63,218	57,763	45,990	84,748	44,063	691,996	44,063
Vehicle & Eq. Fuel	8,928	11,732	14,678	10,798	9,244	23,045	13,952	10,860	17,865	11,034	12,789	12,400	157,624	12,400
CPUC Power Usage (incl. in O&M from Oct 15)	14,016	12,583	12,511	9,879	12,206	13,066	10,970	11,705	11,967	14,380	15,451	11,369	154,062	11,369
Training	0	0	0	0	0	0	0	0	0	146	0	0	146	0
Expense - Total	529,156	542,538	551,620	465,565	505,033	536,611	581,571	515,853	532,881	530,488	567,548	534,346	6,415,080	534,346
Operating Income/(Loss)	(108,439)	114,582	65,542	93,742	127,406	114,097	120,065	132,994	153,895	116,518	63,606	196,834	1,321,686	196,834
Non-Cash Expenses - US\$														
Depreciation	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	-115,228	110,553	1,188,491	110,553
Interest Expense	5,189	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	26,320	4,712	83,390	4,712
Non-Cash Expense - Total	US\$3,709	123,708	-88,909	115,265	1,271,881	115,265								
Net Income/(Loss) - excluding grant support	-US\$69	-9,126	-58,166	-29,966	3,698	-9,611	-3,643	9,286	30,187	-7,190	152,515	81,569	49,806	81,569
Non-operating Income (Grant Support) - US\$	23	31	28	-1,417	0	26,571	-27,657	0	14,194	-4,802	154,012	3,875	0	3,875
Net Income/(Loss) - including grant support	-US\$46	-9,095	-58,139	-31,382	3,699	16,960	-31,300	9,286	44,381	-11,992	306,527	85,444	49,806	85,444

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

Cash Flow Report - US\$	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Receipts	567,676	609,554	495,964	502,977	560,338	571,094	752,602	536,996	616,328	478,101	733,594	696,175	6,993,347	696,175
Disbursements	598,191	522,456	685,740	482,306	815,182	469,484	520,832	525,879	716,012	418,765	435,517	765,524	6,590,718	765,524
Net receipts/Disbursements	-30,515	87,098	-189,776	20,671	-254,844	101,610	231,770	11,117	-99,683	59,336	298,077	-69,349	402,629	-69,349
Cash balance (beginning)	1,296,278	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	1,128,509	1,531,138
Cash balance (end)	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	1,531,138	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)	1,264,069	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	1,529,444	1,460,095
Stocks	1,304,315	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	1,195,812	1,238,083
Trade Receivable	604,738	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	698,514	764,676
Prepaid Lease	290,830	288,798	286,766	284,735	282,703	280,671	278,640	276,608	274,576	272,545	269,879	267,817	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.)	977,121	905,956	939,856	915,763	948,973	1,005,347	985,819	907,996	838,841	974,661	921,301	1,878,938	921,301	1,878,938
Loans Payable	4,089,687	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	3,855,776	3,856,389
Total Accounts Receivable (to date) - US\$														
Government Power	391,246	382,595	385,375	393,099	356,369	408,056	366,946	402,465	425,435	484,014	256,352	306,623	256,352	306,623
Commercial Power	-10,461	-39,122	0	86,794	105,986	108,470	79,490	113,226	95,490	85,852	201,305	192,522	201,305	192,522
Residential Power	155,574	159,235	161,590	131,111	133,425	137,780	140,179	143,299	150,849	153,848	113,464	118,368	113,464	118,368
Water	79,986	77,789	77,608	160,233	151,706	163,463	150,682	139,937	141,361	149,569	265,746	268,594	265,746	268,594
Sewer	263,958	277,158	289,004	178,583	193,229	209,061	199,443	217,467	232,854	249,370	137,211	154,133	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	604,738	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	847,090	698,514	764,676	698,514	764,676

Financial Table 3 Power Sales Report - November 2018 to October 2019

Power Sales Report	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019 YTD	FY2020 YTD
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	73,888	69,157	87,369	73,785	78,489	89,656	89,941	86,253	78,496	76,883	81,013	73,834	963,911	73,834
Government - Pre Paid (Cash Power)	34,127	50,728	33,519	34,643	29,986	42,001	40,141	39,592	26,309	35,142	45,122	46,967	457,692	46,967
Government Streetlights	2,940	3,083	3,083	3,083	2,940	3,038	2,941	3,038	3,038	3,038	2,940	3,038	36,293	3,038
Solar	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	2,680	47,979	2,680
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Total	114,954	126,966	127,969	115,510	115,556	138,596	137,118	132,784	111,841	119,062	133,074	126,520	1,505,875	126,520
Commercial - Post Paid	268,716	223,874	265,051	211,671	239,394	255,743	258,844	240,595	267,872	240,669	230,215	243,113	2,953,579	243,113
Commercial - Pre Paid (Cashpower)	92,193	96,160	88,719	70,336	90,016	90,529	94,978	90,697	93,796	99,586	78,824	106,176	1,080,406	106,176
Commercial - Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	360,909	320,034	353,770	282,008	329,410	346,272	353,822	331,292	361,668	340,255	309,039	349,289	4,033,986	349,289
Residential - Post Paid	8,569	7,568	6,237	6,070	7,327	7,085	5,880	4,501	3,973	5,380	6,211	6,234	73,621	6,234
Residential - Pre Paid (Cashpower)	146,347	155,168	132,124	114,831	136,588	137,594	156,856	141,797	155,624	149,087	145,643	155,492	1,723,466	155,492
Residential Scratch Card Sales	13,495	20,857	11,435	17,956	13,746	15,623	16,637	15,382	16,674	15,302	17,543	18,249	188,513	18,249
Residential Total	168,410	183,593	149,796	138,857	157,661	160,302	179,373	161,680	176,271	169,769	169,397	179,975	1,985,600	179,975
Trade Power Sales Total	644,273	630,593	631,536	536,375	602,627	645,170	670,313	625,756	649,780	629,087	611,510	655,784	7,525,461	655,784
Intercompany - CPUC Office	1,294	1,503	1,131	1,188	1,417	1,417	1,520	1,434	1,443	1,730	1,428	1,625	16,965	1,625
Intercompany - CPUC Power Operation	2,733	2,639	3,034	3,101	3,461	3,517	3,252	3,324	3,633	3,163	3,090	3,449	38,006	3,449
Intercompany - CPUC Water Operations	6,332	6,363	5,834	4,371	5,075	6,720	5,641	5,412	5,477	5,885	6,105	5,482	69,124	5,482
Intercompany - CPUC Sewer Operations	7,684	6,220	6,677	5,508	7,131	6,346	5,329	6,293	6,490	8,495	9,346	5,887	84,938	5,887
Cash Power UnEarned	-10,945	12,262	-15,070	8,515	6,464	-7,116	1,248	1,182	2,070	-1,101	-8,550	-13,369	-13,411	-13,369
Provision on Rate Refund	-59,218	-57,929	-61,149	-52,185	-58,173	-61,397	-63,319	-58,977	-61,621	-60,285	-59,530	-26,680	-702,328	
Total Power Sales - US\$	592,153	601,650	571,992	506,873	568,002	594,657	623,984	584,423	607,271	586,974	563,399	661,538	7,018,756	661,538
Power Sales kWh	kWh	kWh												
Government - Post Paid	122,835	114,867	143,735	125,383	132,491	149,022	152,036	154,814	140,930	139,618	151,356	142,289	1,655,387	142,289
Government - Pre Paid (Cash Power)	58,207	88,223	61,133	64,309	54,779	75,583	71,680	70,486	47,515	63,919	82,025	89,223	820,299	89,223
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	10,377
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	191,419	213,467	215,245	200,069	197,647	234,982	234,094	235,676	198,822	213,914	243,758	241,889	2,600,210	241,889
Commercial - Post Paid	494,277	407,901	519,204	419,500	463,469	488,861	487,611	442,981	493,900	448,454	445,765	482,158	5,582,156	482,158
Commercial - Pre Paid (Cashpower)	162,798	173,260	167,933	135,601	170,678	168,992	175,885	167,430	175,747	187,969	148,697	209,668	2,009,351	209,668
Commercial Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Total	657,075	581,161	687,137	555,101	634,148	657,853	663,496	610,411	669,647	636,423	594,462	691,827	7,591,507	691,827
Residential - Post Paid	16,193	14,025	12,874	12,412	14,671	13,976	11,492	8,802	7,774	10,643	12,675	13,553	144,944	13,553
Residential - Pre Paid (Cashpower)	272,933	295,614	265,203	235,021	274,659	272,140	307,620	277,165	309,023	298,353	291,286	326,389	3,395,343	326,389
Residential Scratch Card Sales	31,292	39,434	26,220	28,717	27,348	32,598	32,434	32,142	30,657	30,460	32,839	37,560	369,106	37,560
Residential Total	320,418	349,072	304,297	276,150	316,678	318,714	351,546	318,109	347,454	339,456	336,800	377,501	3,909,393	377,501
Trade Power Sales Total	1,168,912	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	14,101,110	1,311,217
Intercompany - CPUC Office	5,135	5,963	4,488	4,714	5,624	6,031	5,689	5,727	6,864	5,665	6,447	6,7321	6,447	
Intercompany - CPUC Power Operation	10,845	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	150,819	13,686
Intercompany - CPUC Water Operations	25,126	25,250	23,152	17,345	20,139	26,666	22,385	21,476	21,733	23,354	24,226	21,754	274,303	21,754
Intercompany - CPUC Sewer Operations	30,492	24,681	26,495	21,857	28,296	25,183	21,147	24,973	25,754	33,711	37,087	23,362	337,056	23,362
Cash Power Unearned (accrual)	-17,254	20,020	-33,182	14,290	14,106	-11,940	3,183	2,497	0	-2,787	-16,195	-31,992	-28,820	-31,992
Total Power Sales - kWh	1,223,256	1,230,086	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	1,233,020	1,283,551	1,263,488	1,238,066	1,344,474	14,901,789	1,344,474

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

Water/Sewer Sales Report	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Mar 20	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	4,836	6,313	4,945	6,628	5,740	10,312	8,252	11,075	10,159	12,735	10,722	10,965	97,425	10,965
Commercial	10,650	11,402	6,239	8,195	12,287	10,538	11,067	13,812	12,413	10,018	10,925	23,856	126,928	23,856
Residential	7,761	10,902	7,050	3,634	10,933	10,022	8,799	11,163	11,034	11,055	11,104	11,422	112,866	11,422
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23,247	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	33,808	32,751	46,242	337,219	46,242
Sewer Sales - US\$														
Government	2,295	3,015	2,341	3,193	2,621	4,903	3,888	5,212	4,737	6,085	5,082	5,140	46,111	5,140
Commercial	8,223	7,211	6,981	7,093	9,172	8,109	8,109	9,972	9,335	8,176	7,065	14,818	96,201	14,818
Commercial with No Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential	2,756	2,975	2,523	2,340	2,853	2,820	2,638	2,840	1,316	2,255	1,663	2,765	29,690	2,765
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	13,274	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	16,516	13,810	22,722	172,002	22,722
Total Water & Sewer Sales	36,522	41,818	30,079	31,082	43,607	46,703	42,754	54,075	48,994	50,324	46,562	68,965	509,221	68,965
Water Sales - Gallons														
Government	989,349	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	20,597,070	2,217,890
Commercial	2,220,194	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	25,588,330	4,837,672
Residential	3,227,530	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	43,836,459	4,451,291
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6,437,073	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	90,021,859	11,506,853

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

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
1a. Non Revenue Power	15.5%	15.3%	12.7%	14.6%	13.8%	11.9%	14.0%	12.9%	12.0%	12.0%	13.6%	11.5%	13.7%	11.5%
Total Power Generated - kWh	1,447,320	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	17,267,831	1,518,766
Total Power Billed - kWh	1,223,256	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	14,901,789	1,344,474
Generation Loss (actual from Jun 17)	22,609	23,184	22,614	23,842	24,392	25,454	25,480	24,504	25,321	24,268	17,928	20,133	284,350	20,133
Distribution Loss Derived - kWh	165,272	162,322	121,762	132,571	136,137	109,505	151,124	122,203	113,538	112,183	140,466	116,190	1,649,996	116,190
Commercial Loss (assumed 2.5%) - kWh	36,183	36,297	35,488	32,263	35,664	36,051	38,241	35,352	36,472	35,896	35,807	37,969	431,696	37,969
Total Loss - kWh	224,064	221,804	179,864	188,675	196,193	171,011	214,846	182,058	175,330	172,348	194,200	174,292	2,366,042	174,292
Distribution loss %	11.4%	11.2%	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	7.8%	9.8%	7.7%	9.6%	7.7%
1b. Non Revenue Water	74.9%	68.1%	76.1%	64.9%	60.6%	58.0%	55.0%	48.7%	52.9%	56.4%	62.9%	43.4%	63.4%	43.4%
Water Produced (million gallons)	25.65	24.06	22.50	16.48	19.79	19.07	16.25	17.93	18.41	20.28	22.32	20.34	246	20
Water Billed (million gallons)	6.44	7.67	5.39	5.78	7.79	8.01	7.31	9.20	8.67	8.84	8.29	11.51	90	12
2. Current ratio	3.91	4.33	4.06	4.01	3.47	3.51	3.71	4.26	4.56	4.12	4.42	2.19	4.42	0.00
	3.70	4.13	3.86	3.77	3.22	3.24	3.46	3.98	4.29	3.85	4.18	2.07	4.18	0.00
	7.89	7.72	6.64	12.31	9.69	10.56	11.28	12.16	10.33	11.54	11.52	5.62	11.52	0.00
	9.40	8.25	8.42	6.85	6.73	8.14	7.89	8.56	7.98	7.67	4.68	2.26	4.68	0.00
3. ROA (excludes other operating income/grant support)	0.19%	0.21%	0.01%	0.09%	0.26%	0.22%	0.25%	0.28%	0.38%	0.22%	0.88%	0.33%	3.1%	0.0%
Power Business	0.52%	0.55%	0.41%	0.34%	0.59%	0.56%	0.61%	0.56%	0.74%	0.55%	0.36%	0.44%	6.2%	0.0%
Water Business	-1.10%	-0.85%	-2.07%	-0.30%	-0.75%	-0.98%	-0.88%	-0.24%	-0.36%	-0.50%	5.25%	1.07%	-3.1%	0.0%
Sewer Business	-0.86%	-0.98%	-1.09%	-0.90%	-0.91%	-0.96%	-1.05%	-0.84%	-1.05%	-1.08%	1.69%	-0.45%	-9.2%	0.0%
4. Operating ratio	0.83	0.83	0.89	0.83	0.80	0.82	0.83	0.80	0.78	0.82	0.90	0.78	0.83	0.71
Power Business	0.79	0.78	0.82	0.81	0.76	0.78	0.79	0.77	0.74	0.78	0.83	0.77	0.79	19.36
Water Business	1.06	0.95	1.63	0.75	0.93	1.01	0.97	0.75	0.82	0.83	1.23	0.64	0.98	-0.34
Sewer Business	2.06	2.44	2.93	2.17	1.98	2.08	2.38	1.66	2.32	2.29	2.79	1.26	2.28	-0.47
5. Days in Accounts Receivable	28.86	27.14	31.79	37.60	32.63	35.14	29.75	34.81	35.22	39.88	34.36	33.55	33.87	0.00
Power Business	19.29	17.58	20.70	26.53	22.99	24.96	20.57	25.48	25.26	28.84	22.53	22.15	21.30	0.00
Water Business	70.91	55.35	89.17	184.88	111.12	116.22	113.47	84.88	92.95	100.14	174.56	128.09	206.27	0.00
Sewer Business	409.81	427.49	511.16	301.23	279.85	289.84	288.55	263.83	334.37	341.78	213.74	149.59	208.80	0.00

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

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019 YTD	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	1,421,593	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	16,910,468	1,437,738
Peak Generation - kW	2,943	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	2,943	2,968
Fuel Consumption - Gallons	95,533	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	1,145,000	100,306
Average Fuel Price (\$/Gallon)	3.63	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	38.88	3.14
Load Factor (%)	65%	68%	72%	67%	68%	65%	70%	65%	69%	69%	66%	68%	67%	68%
Capacity Factor (%)	53%	51%	47%	47%	49%	52%	51%	52%	50%	49%	52%	53%	40%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Reserve Plant Margin (%)	165%	176%	197%	195%	183%	166%	171%	170%	180%	182%	170%	163%	168%	165%
Solar PV Generation - kWh	25,727	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	357,363	81,028
Solar Generation %	1.8%	1.6%	1.9%	2.1%	1.9%	1.9%	1.9%	1.8%	1.7%	1.6%	5.3%	5.3%	2.1%	5.3%
Peak PV Generation - kW	201	186	213	210	206	217	223	196	196	178	593	633	1,713	4,574
Avoided Fuel - Gallons	1,729	1,604	1,833	1,845	1,795	1,905	1,929	1,700	1,686	1,535	5,157	5,653	24,197	5,653
Avoided Cost of Fuel - US\$	6,279	5,405	5,543	5,535	5,612	6,044	6,306	5,564	5,278	4,832	16,068	17,762	78,510	17,762
Tons of CO2 avoided	17.5	16.2	18.5	18.6	18.1	19.2	19.5	17.2	17.0	15.5	52.1	57.1	244.4	57.1
Labour Productivity (kWh/Emp/d)	1,587	1,594	1,554	1,410	1,563	1,578	1,675	1,550	1,600	1,577	1,514	1,605	1,448	1,449
SFOC (kWh/gal)	14.88	14.83	14.91	14.54	14.71	14.56	14.77	14.78	14.84	14.80	14.71	14.33	14.77	14.33
DG1 - GE 1.8	15.00	14.93	15.04	15.12	15.31	15.20	15.24	15.02	14.99	14.89	14.82	15.07	15.04	15.07
DG2 - GE 1.8	14.98	14.85	15.29	15.37	15.19	15.21	15.30	15.43	14.97	15.03	15.08	15.14	15.15	15.14
DG3 - CAT 1.6	0.00	0.00	0.00	0.00	11.45	10.12	8.42	4.81	4.81	5.99	6.55	12.79	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	0.00	12.45	14.43
DG5 - CAT 1.3	13.72	12.93	13.51	13.05	13.88	13.88	14.33	11.64	11.02	10.54	12.75	13.35	13.28	13.35
SLOC (kWh/gal)	1,932	4,698	5,396	2,344	2,174	1,811	5,342	4,891	1,565	3,758	3,237	3,754	2,917	3,754
DG1 - GE 1.8	1,461	4,304	3,105	4,448	1,242	2,986	3,257	3,538	1,322	3,211	2,263	5,027	2,409	5,027
DG2 - GE 1.8	2,091	4,855	6,150	1,670	4,854	0	0	0	0	0	0	0	3,157	710
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%	0.00%	0.04%	0.00%	0.01%	0.0%	0.0%	0.0%	0.00%	0.01%
Planned Outage Factor (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	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 (%)	27.7%	26.6%	24.7%	24.9%	25.9%	27.6%	27.1%	27.2%	26.2%	26.0%	27.2%	27.9%	27.4%	27.7%
Distribution Losses (%)	11.4%	11.2%	8.6%	10.3%	9.5%	7.6%	9.9%	8.6%	7.8%	0.0%	0.0%	0.0%	13.8%	0.0%
SAIDI (hours/consumer)	0.09	0.00	0.04	0.00	0.00	0.01	0.06	0.00	0.10	0.20	0.13	0.05	0.70	0.05
SAIFI	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.024	0.007
Average Cost (\$/kWh)	0.24	0.22	0.20	0.20	0.21	0.21	0.22	0.22	0.21	0.21	0.20	0.21	0.215	0.208

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

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	526,088	667,180	388,078	453,676	523,052	591,227	462,521	470,551	631,714	606,787	497,801	794,341	6,417,815	794,341
DG2 - GE 1.8	786,323	723,362	781,079	571,171	621,248	566,575	807,131	786,294	768,085	769,655	755,515	85,201	8,642,917	85,201
DG3 - CAT 1.6	0	0	0	116,914	112,399	94,643	48,041	3,059	337	419	5,687	93,821	384,549	93,821
DG4 - CAT 1.3	0	0	249	0	0	0	0	0	0	0	0	28,249	249	28,249
DG5 - CAT 1.3	109,182	37,565	222,815	121,922	143,465	161,876	183,447	129,051	33,715	36,249	97,390	436,126	1,464,938	436,126
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,421,593	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	16,910,468	1,437,738
PP Solar F1	0	0	0	0	0	0	0	0	0	0	11,753	17,823	11,753	17,823
High School Solar F1	19,098	17,034	21,228	20,001	21,369	21,851	21,950	19,498	19,852	17,874	18,982	21,251	234,261	21,251
PP Solar F3	0	0	0	0	0	0	0	0	0	0	8,289	11,188	8,289	11,188
Airport Roof F4	6,629	6,749	6,087	6,823	5,033	5,875	6,543	5,626	5,179	4,851	5,835	4,094	72,046	4,094
Airport Carpark F4	0	0	0	0	0	0	0	0	0	0	15,455	19,173	15,455	19,173
WWTP F4	0	0	0	0	0	0	0	0	0	0	15,559	7,499	15,559	7,499
Solar PV Generation Total (kWh)	25,727	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	22,725	75,873	81,028	357,363	81,028
Total Generation (kWh)	1,447,320	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	17,267,831	1,518,766
Maximum Demand (kW)	2,943	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,768	2,890	2,968	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)	10,845	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	12,553	12,263	13,686	150,819	13,686
Running Hours														
DG1 - GE 1.8	499	652	391	417	563	408	415	459	620	614	495	715	6,078	715
DG2 - GE 1.8	705	680	654	476	512	489	701	710	706	723	690	80	7,668	80
DG3 - CAT 1.6	0	0	0	188	179	263	44	3	3	2	7	156	696	156
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	72	0	72
DG5 - CAT 1.3	182	56	330	190	229	257	302	219	63	73	163	660	2,317	660
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,386	1,388	1,375	1,271	1,483	1,417	1,462	1,391	1,392	1,412	1,355	1,683	16,759	1,683

Power Table 3 Fuel & Lube Oil Statistics - November 2018 to October 2019

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	35,076	44,685	25,803	30,014	34,166	38,892	30,358	31,330	42,152	40,751	33,581	52,715	426,748	52,715
DG2 - GE 1.8	52,498	48,718	51,088	37,158	40,895	37,254	52,747	50,955	51,311	51,193	50,096	5,628	570,529	5,628
DG3 - CAT 1.6	0	0	0	10,400	9,813	9,352	5,705	636	70	70	868	7,336	37,364	7,336
DG4 - CAT 1.3	0	0	20	0	0	0	0	0	0	0	0	1,958	20	1,958
DG5 - CAT 1.3	7,960	2,905	16,493	9,341	10,339	11,661	12,800	11,086	3,059	3,438	7,641	32,669	110,339	32,669
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	95,533	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	95,451	92,186	100,306	1,145,000	100,306
Average Fuel Price (\$/Gallon)	3.63	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.15	3.12	3.14	3.24	3.14
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	265	0	0	0	265	0	0	0	265	0	0	0	795	0
DG2 - GE 1.8	265	0	0	265	0	265	0	0	265	0	0	0	1,060	0
DG3 - CAT 1.6	0	0	0	0	95	95	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	0	0	95	0	95	0	0	0	0	0	190	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	95	0	95
Total LO Consumption (Gals)	530	0	0	360	360	455	0	0	530	0	0	95	2,235	95
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	95	155	125	102	156	198	142	133	213	189	220	158	1,869	158
DG2 - GE 1.8	111	149	127	77	128	128	130	151	173	187	199	120	1,678	120
DG3 - CAT 1.6	0	0	0	0	0	0	9	0	0	0	0	0	9	0
DG4 - CAT 1.3	0	0	6	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	0	10	0	10
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	206	304	258	179	284	326	281	284	386	376	419	288	3,562	288

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

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	2019 YTD	2020 YTD
Feeder 1 Load	378,169	368,423	363,908	332,213	362,910	370,578	392,382	372,240	369,423	384,699	386,137	407,452	4,474,271	407,452
Feeder 2 Load	123,570	125,549	119,343	108,647	120,877	121,341	131,055	115,761	121,066	122,901	119,729	138,717	1,458,635	138,717
Feeder 3 Load	435,762	439,710	425,879	378,375	369,016	371,308	451,818	425,513	444,707	428,584	418,712	448,906	5,043,967	448,906
Feeder 4 Load	326,282	337,042	327,462	291,736	327,599	327,958	355,720	329,687	323,485	322,614	336,348	311,596	3,962,444	311,596
Feeder 5 Load	160,928	157,982	160,330	155,694	221,772	225,408	173,178	146,374	174,880	152,769	153,412	191,962	2,044,163	191,962
Total Feeder Load (kWh)	1,424,711	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	16,983,480	1,498,633
													0	0
Feeder 1 Sales	316,668	343,035	310,536	286,347	309,811	329,490	339,789	324,497	316,825	332,997	336,964	361,522	3,893,759	361,522
Feeder 2 Sales	103,615	109,677	92,743	90,199	108,059	102,802	103,369	100,886	95,926	106,867	104,991	106,453	1,214,353	106,453
Feeder 3 Sales	362,552	341,229	377,205	333,026	349,196	371,166	383,050	351,041	378,385	352,601	343,851	388,632	4,314,626	388,632
Feeder 4 Sales	300,896	299,126	309,193	276,496	301,636	312,730	333,010	312,561	309,279	317,987	298,274	314,634	3,693,340	314,634
Feeder 5 Sales	138,109	120,489	141,257	117,478	126,995	139,094	138,207	132,854	165,865	136,441	136,997	146,228	1,623,610	146,228
Total Feeder Sales (kWh)	1,221,840	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	14,739,689	1,317,468
Feeder 1 Loss - kWh	61,501	25,388	53,372	45,866	53,099	41,088	52,593	47,743	52,598	51,702	49,173	45,930	580,512	45,930
Feeder 2 Loss - kWh	19,955	15,872	26,600	18,448	12,818	18,539	27,686	14,875	25,140	16,034	14,738	32,264	244,282	32,264
Feeder 3 Loss - kWh	73,210	98,481	48,674	45,349	19,820	142	68,768	74,472	66,322	75,983	74,861	60,274	729,341	60,274
Feeder 4 Loss - kWh	25,386	37,916	18,269	15,240	25,963	15,228	22,710	17,126	14,206	4,627	38,074	-3,038	269,104	-3,038
Feeder 5 Loss - kWh	22,819	37,493	19,073	38,216	94,777	86,314	34,971	13,520	9,015	16,328	16,415	45,734	420,553	45,734
Total Feeder Loss - kWh	202,871	215,151	165,988	163,119	206,476	161,311	206,729	167,735	167,282	164,674	193,261	181,165	2,243,791	181,165
Feeder 1 Loss - %	16.3%	6.9%	14.7%	13.8%	14.6%	11.1%	13.4%	12.8%	14.2%	13.4%	12.7%	11.3%	13.0%	11.3%
Feeder 2 Loss - %	16.1%	12.6%	22.3%	17.0%	10.6%	15.3%	21.1%	12.8%	20.8%	13.0%	12.3%	23.3%	16.7%	23.3%
Feeder 3 Loss - %	16.8%	22.4%	11.4%	12.0%	5.4%	0.0%	15.2%	17.5%	14.9%	17.7%	17.9%	13.4%	14.5%	13.4%
Feeder 4 Loss - %	7.8%	11.2%	5.6%	5.2%	7.9%	4.6%	6.4%	5.2%	4.4%	1.4%	11.3%	-1.0%	6.8%	-1.0%
Feeder 5 Loss - %	14.2%	23.7%	11.9%	24.5%	42.7%	38.3%	20.2%	9.2%	5.2%	10.7%	10.7%	23.8%	20.6%	23.8%
Total Feeder Loss - %	14.2%	15.1%	11.9%	12.9%	14.7%	11.4%	13.7%	12.1%	11.7%	11.7%	13.7%	12.1%	13.2%	12.1%

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

Feeder	kWh/Connection		
	Residential	Commercial	Government
F01	301	1,461	8,701
F02	213	2,160	863
F03	272	2,506	1,223
F04	218	3,707	2,837
F05	172	3,184	1,923
Total	235	2,603	3,110

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

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

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

	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	FY2019	FY2020 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.1	0.4	0.1
Planned - Generation	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.4	0.1
Forced - Distribution	2.5	0.0	1.1	0.0	0.0	0.0	1.6	0.0	2.7	0.0	3.2	1.3	13.0	1.3
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.4	0.2
Feeder 2	0.0	0.0	1.1	0.0	0.0	0.0	0.3	0.0	2.4	0.0	0.0	0.6	3.8	0.6
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	3.2	0.0	3.6	0.0
Feeder 4	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.8	0.2
Feeder 5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	4.5	0.3
Planned - Distribution	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	5.3	0.4	0.0	6.0	0.0
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.7	0.1	0.0	1.8	0.0
Feeder 2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.8	0.1	0.0	1.9	0.0
Feeder 4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.9	0.1	0.0	2.0	0.0
Total Duration Dist Outage (Hrs)	2.5	0.0	1.1	0.0	0.0	0.3	1.6	0.0	2.7	5.3	3.6	1.3	19.0	1.3

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

COMPANY WIDE DATA	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	FY2019
Water Production (millions)													
WTP Production	2,053,700	1,900,500	824,300	0	13,300	800	8,500	365,400	422,700	800	72,800	880,000	7,390,300
Pink Apartment Volume start of Month	581,400	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	6,920,100
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	6,983,400
Pink Apartment Vol in to Supply/(Storage)	-600	0	0	0	0	0	0	0	0	0	0	0	-63,300
Tankered volume for billing	0				113,300	113,400							226,700
Well Production (into supply)	23,599,000	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	238,374,684
Volume into network	25,652,100	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	245,474,984
Water Volume Bill (billions)													
Commercial	2,141,584	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	25,405,316
Government (excludes hospital)	431,839	626,300	446,046	435,389	874,404	0	620,021	756,715	950,953	1,275,962	1,183,295	999,880	8,072,412
Government Hospital	598,200	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	10,404,000
Residential	2,986,070	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	44,531,229
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	6,157,693	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	88,412,957
NRW													
Volume	19,494,407	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	157,062,027
Percentage	76.0%	69.3%	75.9%	66.7%	60.8%	62.5%	55.8%	47.5%	52.9%	56.4%	61.7%	43.4%	64.0%
Invoiced Water Value (USD)													
Water Delivery and Bunkering													0
Commercial	\$10,685	\$11,474	\$8,378	\$8,223	\$12,287	\$10,538	\$11,088	\$13,812	\$12,413	\$10,018	\$10,925	\$23,856	129,281
Government (includes hospital)	\$4,836	\$6,314	\$4,945	\$6,628	\$5,740	\$10,312	\$8,252	\$11,075	\$10,159	\$12,736	\$10,722	\$10,965	97,426
Residential	\$8,480	\$11,186	\$7,051	\$7,096	\$10,963	\$10,022	\$8,799	\$11,163	\$11,034	\$11,351	\$11,104	\$12,027	\$117,656
Total	\$24,000	\$28,974	\$20,374	\$21,947	\$28,990	\$30,871	\$28,139	\$36,051	\$33,606	\$34,105	\$32,751	\$46,848	\$344,363
Sewer Charge (USD)													
Commercial	\$4,538	\$3,526	\$3,296	\$3,407	\$5,719	\$4,629	\$4,900	\$6,551	\$5,885	\$4,726	\$4,540	\$11,435	\$54,785
Commercial - w/o water	\$3,685	\$3,685	\$3,685	\$2,652	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$2,379	\$34,453
Government	\$2,295	\$3,015	\$2,341	\$3,193	\$2,621	\$4,903	\$3,888	\$5,212	\$4,737	\$6,085	\$5,082	\$5,140	\$46,111
Residential	\$693	\$1,005	\$533	\$532	\$917	\$864	\$698	\$929	\$891	\$928	\$858	\$905	\$9,490
Residential w/o water	\$2,060	\$1,990	\$1,990	\$2,040	\$2,064	\$2,036	\$1,940	\$1,940	\$1,920	\$1,920	\$1,910	\$1,910	\$23,880
Total	\$13,271	\$13,221	\$11,845	\$11,823	\$13,769	\$14,878	\$13,873	\$17,080	\$15,879	\$16,105	\$14,769	\$21,769	\$168,718

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

COMPANY WIDE DATA	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	FY2019
Water Connection Data (No. of Connections)	481	478	479	479	444	447	468	479	485	478	478	480	478
Commercial - Billed	77	76	76	77	72	73	78	83	81	81	81	81	81
Commercial - Disconnected	8	8	8	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	27,813	23,156	20,204	21,032	35,257	27,743	26,688	33,699	32,700	27,116	29,553	62,042	313,646
Government - Billed	18	14	18	16	18	19	19	19	21	18	19	19	19
Government - Disconnected	7	7	7	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	23,991	44,736	24,780	27,212	48,578	0	32,633	39,827	45,283	70,887	62,279	52,625	424,864
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	598,200	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	10,404,000
Residential - Billed	385	387	384	385	353	354	370	376	382	378	377	379	377
Residential - Disconnected	104	104	104	5	4	4	3	3	3	3	3	3	3
Residential - Meter Pulled	93	93	93	4	2	2	3	0	1	1	1	1	1
Residential Avg Consumption - Gall/conn/mth	7,756	11,277	7,412	6,576	11,616	11,109	9,637	11,513	10,392	10,781	10,589	11,297	118,120
Sewer Connection Data (No. of Connections)	508	483	518	501	480	462	491	489	490	487	484	487	484
Commercial Billed	47	39	44	42	40	42	47	46	46	48	47	47	47
Commercial Billed w/o water	54	54	54	54	43	41	43	43	43	43	43	43	43
Government Billed	16	13	17	15	17	18	19	18	20	17	18	18	18
Residential Billed	189	180	206	194	182	181	189	189	190	188	186	189	186
Residential Billed w/o water	202	197	197	196	198	180	193	193	191	191	190	190	190
STP Inflow (MG/month)	14.4	12.1	13.0	12.0	12.5	13.0	12.5	13.0	13.0	16.0	17.0	13.5	173
SEWER OVERFLOW W/O's													
North Zone	2	1	1	1	1	2	1	1	1	1	1	1	14
South Zone	1	1	1	2	1	1	1	1	2	2	1	0	15

Water Table 3 Zonal Water Use Statistics - FY2019

ZONAL NRW - October 2019					ZONAL NRW - FY2020 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	48,000	32,466	15,534	32%	1	4,220,400	555,779	3,664,621	87%
2	16,075,500	8,561,063	7,514,437	47%	2	189,249,300	66,186,233	123,063,067	65%
3	10,000	100	9,900	0%	3	4,246,984	162,220	4,084,764	96%
4	794,400	244,140	550,260	69%	4	10,574,600	2,501,110	8,073,490	76%
5	0	13,500	-13,500	0%	5	110,000	26,400	83,600	76%
6	2,404,600	1,878,910	525,690	22%	6	26,505,500	18,802,960	7,702,540	29%
7	100,000	128,750	-28,750	-29%	7	928,000	1,491,320	-563,320	-61%
8	905,000	647,930	257,070	28%	8	7,545,100	4,257,227	3,287,873	44%
Total	20,337,500	11,506,859	8,830,641	43.4%	Total	243,379,884	93,983,249	149,396,635	61.4%
ZONAL WATER CONSUMPTION - October 2019					ZONAL WATER CONSUMPTION - FY2020 YTD				
Zone	Avge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commcencial	Govesnment	Hospital	sesidential		Commercial	Government	Hospital	Residential
1	0	0	-	5,410	1	0	0	-	89,602
2	66,622	31,807	-	10,513	2	378,413	426,684	-	105,945
3	0	0	-	0	3	39,000	0	-	0
4	0	0	-	17,439	4	0	0	-	178,651
5	0	0	-	13,500	5	0	0	-	26,400
6	15,578	0	1,199,900	480	6	115,213	0	10,924,400	175,300
7	0	0	-	21,458	7	0	0	-	248,553
8	0	130,695	-	11,204	8	0	730,184	-	118,857
Total	82,200	162,502	1,199,900	80,004	Total	313,646	424,864	10,404,000	118,120

Work Order Summary – End October 2019

Work Order Performance October 2019						
Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	2	1	1	0	0	3
INTERNAL POWER	2	0	0	0	0	2
INTERNAL SEWER	0	0	0	0	0	0
INTERNAL WATER	0	0	0	0	0	0
POWER	23	3	4	0	0	26
REVENUE	25	11	10	0	2	34
SEWER	10	20	21	0	6	24
WATER	110	119	128	0	34	195
TOTAL ALL WORK ORDERS	172	154	164		42	284
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding	WO Outstanding At End		
INTERNAL MAINTENANCE	1.2%	0.6%	-	1.1%		
INTERNAL POWER	1.2%	0.0%	-	0.7%		
INTERNAL SEWER	0.0%	0.0%	-	0.0%		
INTERNAL WATER	0.0%	0.0%	-	0.0%		
POWER	13.4%	1.9%	0.0%	9.2%		
REVENUE	14.5%	7.1%	5.6%	12.0%		
SEWER	5.8%	13.0%	20.0%	8.5%		
WATER	64.0%	77.3%	14.8%	68.7%		
TOTAL ALL WORK ORDERS			12.9%			

Administration Table 1 H&S Statistics – October 2019



HEALTH & SAFETY REPORT: FY2020 - October 2019

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	October 2019						YEAR TO DATE - FY2020					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	19	3,525	0	0	0	0	0	3,525	0	0	0	0	0
Maintenance	5	1,016	0	0	0	0	0	1,016	0	0	0	0	0
Power Distribution - Line	22	3,123	0	0	0	0	0	3,123	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0
Water & Sewer	26	4,506	0	0	0	0	0	4,506	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	18	2,533	0	0	0	0	0	2,533	0	0	0	0	0
TOTAL	90	14,703	0	0	0	0	0	14,703	0	0	0	0	0

FA - Number of First Aid cases

Total Hours Without Incident: - Whole Company

868,325

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	Number of Staff	October 2019			Year To Date FY2020		
		Total Hours Sick	Accident Related	Poor Health	Total Hours Sick	Accident Related	Poor Health
Power Generation	19	63	0	63	1,426	0	1,426
Maintenance	5	11	0	11	215	0	215
Power Distribution - Line	22	149	0	149	1,759	0	1,759
Power Distribution - Contractors	0	0	0	0	16	0	16
Water & Sewer	26	100	0	100	1,482	0	1,482
Water & Sewer Contractors	0	0	0	0	64	0	64
Fin, Admin, Cust Care	18	156	0	156	2,275	0	2,275
TOTAL	90	480	0	480	7,237	0	7,237

Sick Hours as Percentage of Total Hours Worked		3.3%	0.0%	3.3%		49.2%	0.0%	49.2%
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DEPARTMENT	Number of Staff	October 2019		
		Total Hours Sick	Accident Related	Poor Health
Sick Hours as Percentage of Total Hours Worked				
Power Generation	19	1.8%	0.0%	1.8%
Maintenance	5	1.1%	0.0%	1.1%
Power Distribution - Line	22	4.8%	0.0%	4.8%
Power Distribution - Contractors	0	-	-	-
Water & Sewer	26	0.0%	0.0%	0.0%
Water & Sewer Contractors	0	-	-	-
Fin, Admin, Cust Care	18	6.2%	0.0%	6.2%
TOTAL	90	3.3%	0.0%	3.3%

Administration Table 2 Attendance Summary – October 2019 & FY 2020

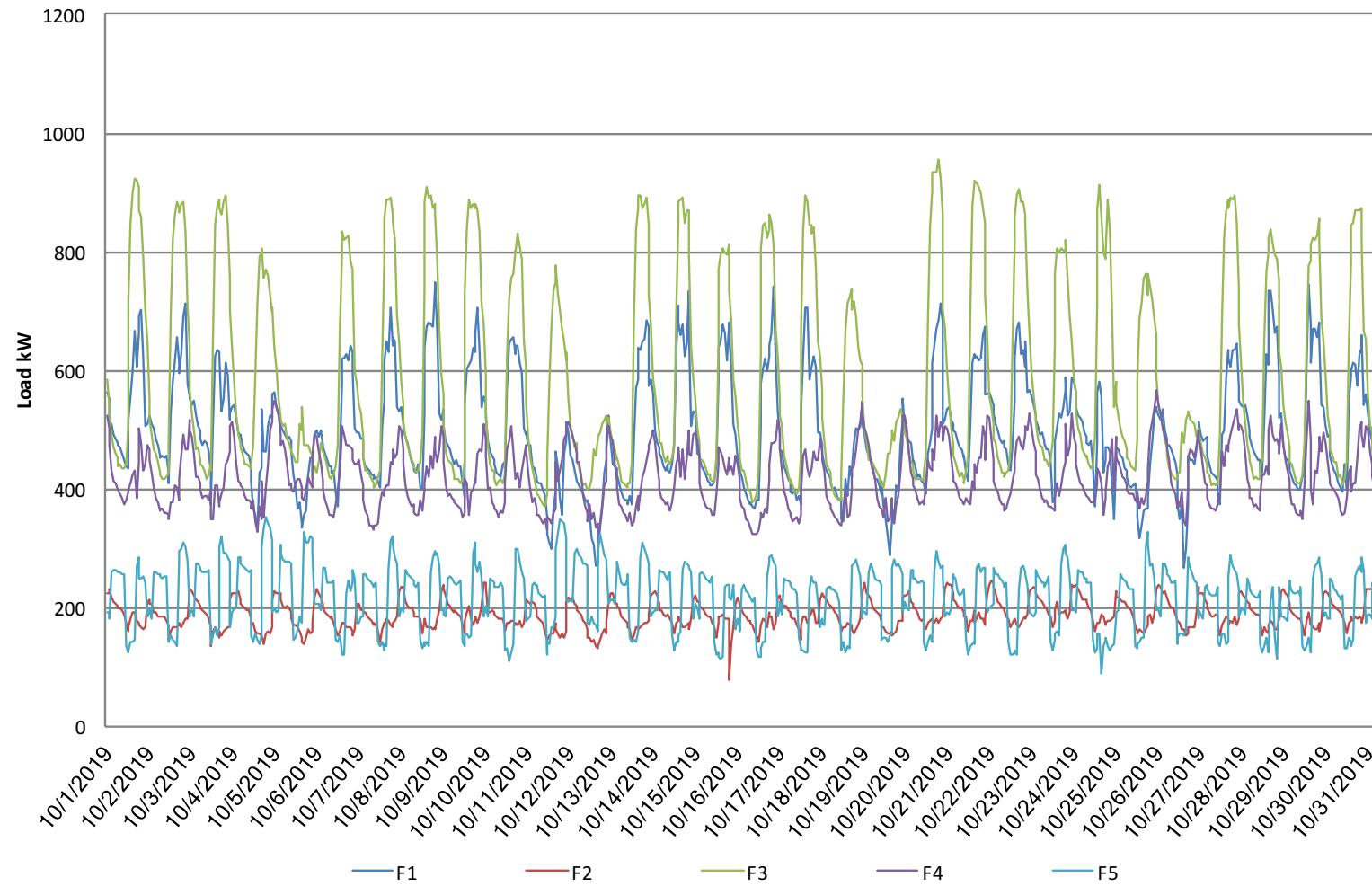
DEPARTMENT	October 2019								YEAR TO DATE - FY2020							
	Numb er of Staff	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Hours Worked		Nationa l Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Sick Leave As % of Hours claime d
		Regular	Overtim e						Regular	Overtim e						
Power Generation	19	3,236	289	196	63	111	3,895	56	3,236	289	196	63	111	3,895	56	1.6%
Maintenance	5	783	233	55	11	7	1,088	0	783	233	55	11	7	1,088	0	1.0%
Power Distribution - Line	22	2,951	171	342	149	295	3,909	15	2,951	171	342	149	295	3,909	15	3.8%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#####
Water & Sewer	26	3,877	629	327	100	128	5,061	18	3,877	629	327	100	128	5,061	18	2.0%
Water & Sewer Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#####
Fin, Admin, Cust Care	18	2,313	220	232	156	317	3,239	0	2,313	220	232	156	317	3,239	0	4.8%
TOTAL EMPLOYEES	90	13,161	1,543	1,152	480	858	17,193	88	13,161	1,543	1,152	480	858	17,193	88	2.8%

CAPEX Table 1 Capex Summary Sheet - October 2019

Chuuk Public Utility Corporation Capex Summary Sheet as of October 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	373,363	373,363	0	376,637	415,000	335,000	41,637
FY 2019 Professional management - D19AF0008	204,400	204,400	137,073	67,327	0	89,268	115,132	-47,805
Total	1,016,298.00	844,060.51	776,733.47	67,327.04	376,637.49	770,566.00	450,132.00	-6,167.47

Graph Showing Feeder Loads in kW – October 2019

CPUC Feeder Load - kW - October 2019



Graph Showing Generation Output in kW – October 2019

CPUC - October Generation - kW

