

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – October 2018



Issued: 15 November 2018

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Oct-18	FY2019	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Oct-18	FY2019	Oct-18	FY2019
Revenue	715,559	715,559	0.562	0.562	0.471	0.471
Variable Costs	375,109	375,109	0.295	0.295	0.247	0.247
Fixed Costs	181,108	181,108	0.142	0.142	0.119	0.119
Total Expenses	556,217	556,217	0.437	0.437	0.366	0.366
Operating result	159,343	159,343	0.125	0.125	0.105	0.105
Power generation	1,519,270	1,519,270				
<i>Diesel</i>	1,496,930	1,496,930				
<i>Solar</i>	22,340	22,340				
as % of Total Generation	1.5%	1.5%				
Avoided Cost of Fuel - US\$	5,439	5,439				
Tons of CO2 Avoided	15.2	15.2				
					Sales	
Government Sales	221,117	221,117	Feeder	Conns	Oct-18	FY2019
Commercial Sales	644,592	644,592	F1	466	346,801	346,801
Residential Sales	330,700	330,700	F2	457	95,219	95,219
Intercompany Sales	78,770	78,770	F3	376	371,324	371,324
Sales Accrual	-1,558	-1,558	F4	374	322,152	322,152
Total Sales	1,273,621	1,273,621	F5	481	129,824	129,824
Power Loss	16.2%	16.2%	Total	2,155	1,265,320	1,265,320
Operating ratio	0.78	0.78	NB - Error on Total and Feeder sales YTD is <1.0%;			
Water Produced - Gallons	23,321,200	23,321,200				
Water Sold - Gallons	6,656,862	6,656,862				
Non Revenue Water	71.5%	71.5%				

Daily generated output in October was 49,009 kWh/day; 1.3% higher than September. Average daily sales were 41,085 kWh/day; 3.0% lower than September. Total power loss was 16.2%.

Average fuel efficiency for FY2018 was 15.1 kWh/gallon.

The split of power users for total sales throughput FY2019 was as follows:

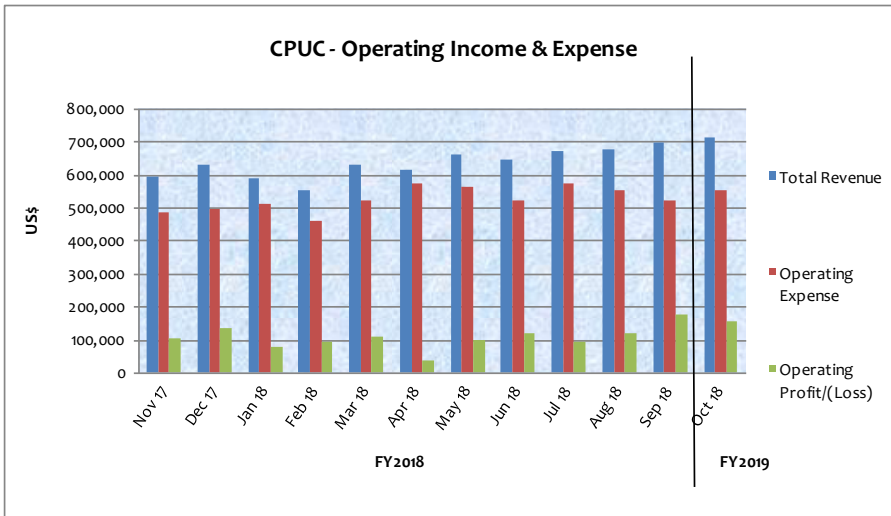
Government – 17.4%; Commercial – 50.6%; Residential – 26.0%; Intercompany 6.2%; Accrual -0.12%;

Solar PV generation in October was 22,340 kWh or 1.5% of total generation. The avoided cost of fuel was US\$5,439 and the amount of Carbon Dioxide avoided was 15.2 tons.

From a commercial perspective the operating result for October 2018 was US\$159,343 with an operating ratio of 0.78.

During October RJE visited CPUC to assess power plant performance. The output report is expected back in November 2018.

1 FINANCIAL PERFORMANCE GRAPHS

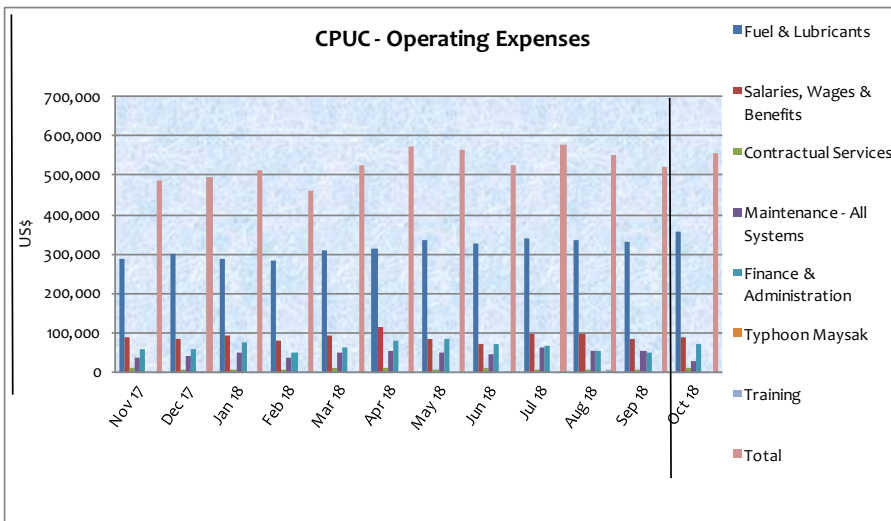


1.1 Key Points:

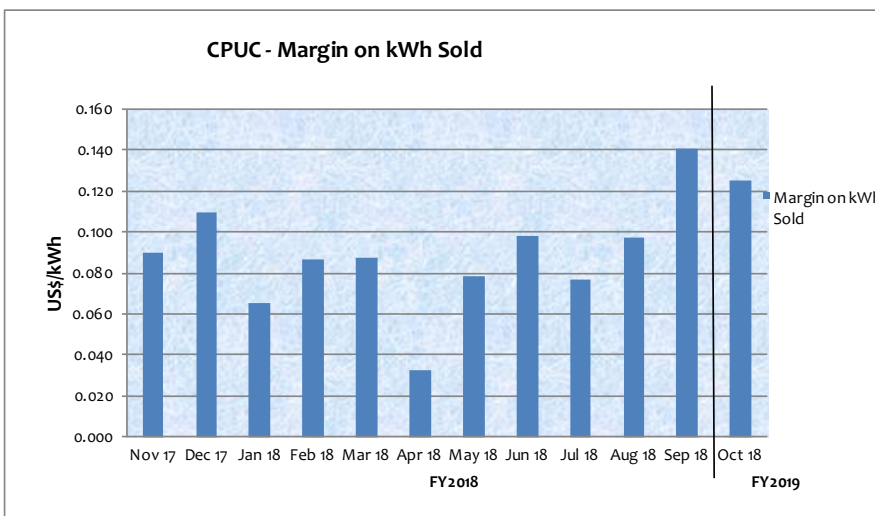
FY2018 Operating income before Depreciation & Interest :

FY2019 US\$159,343

Operating ratio: YTD 0.78;

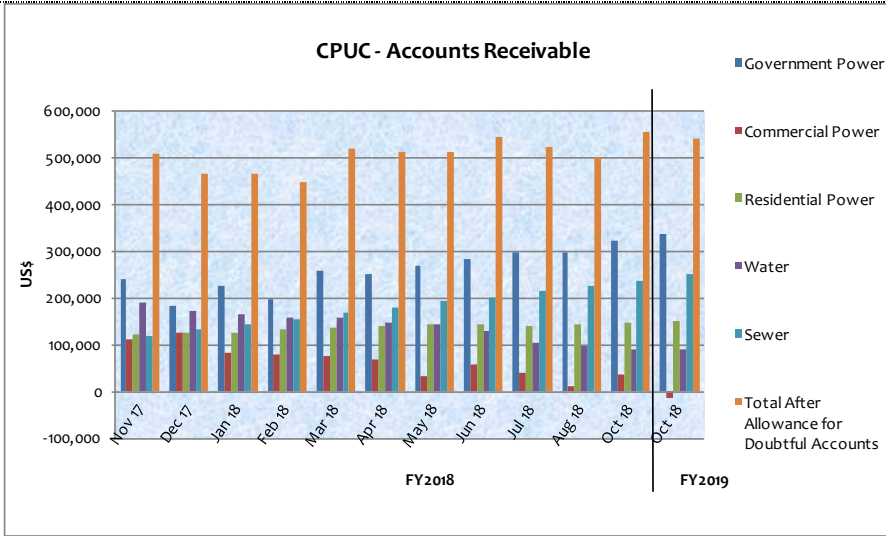


1.2 Key Points:

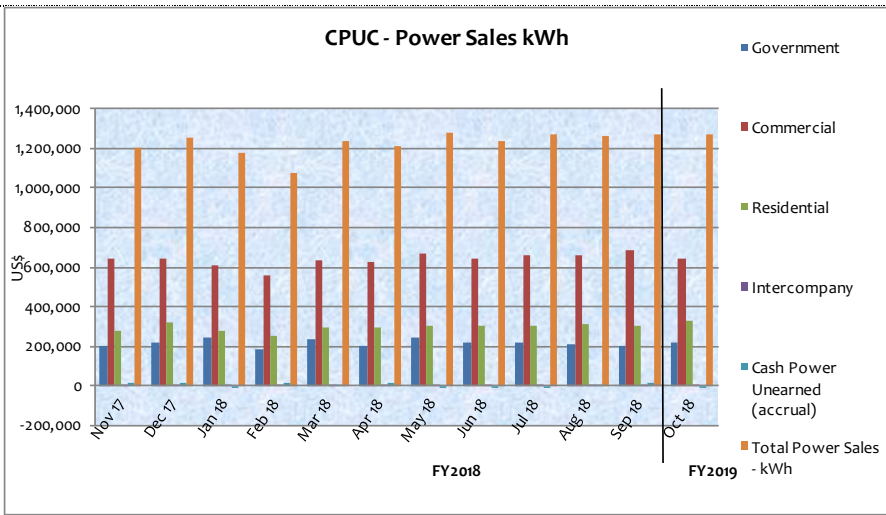


1.3 Key Points:

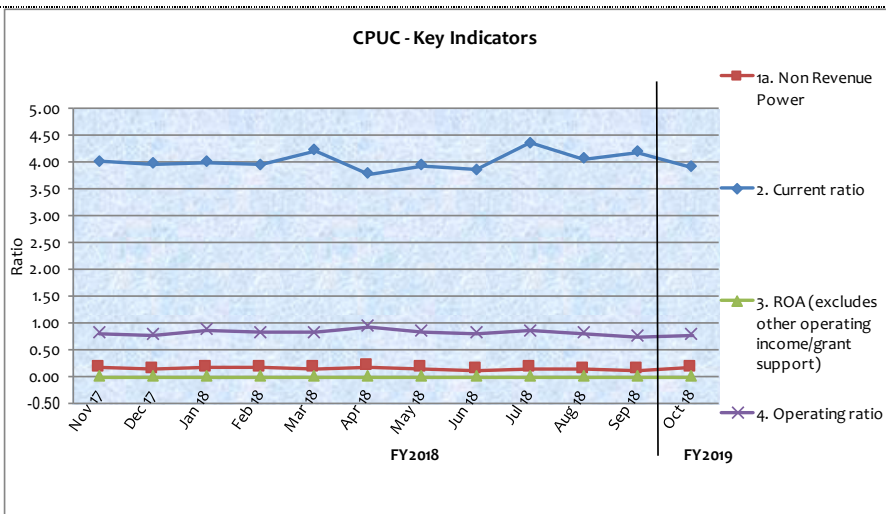
YTD US\$0.125 kWh sold.



1.4 Key Points:

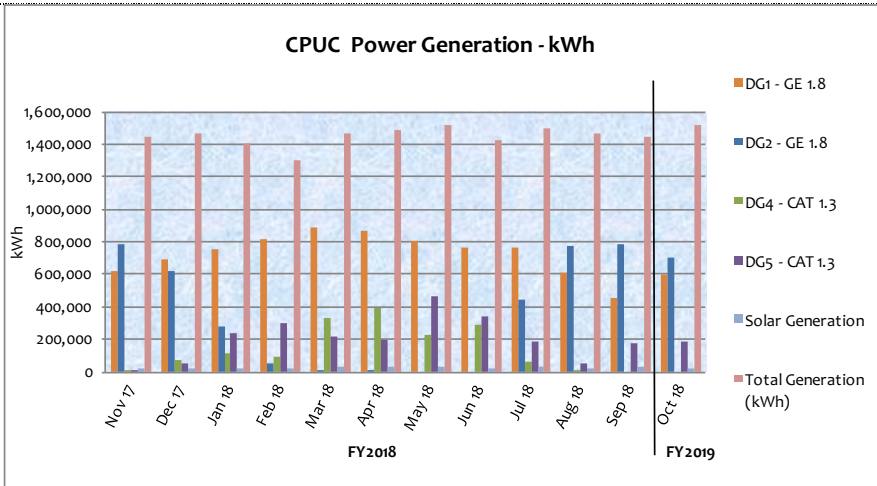


1.5 Key Points:

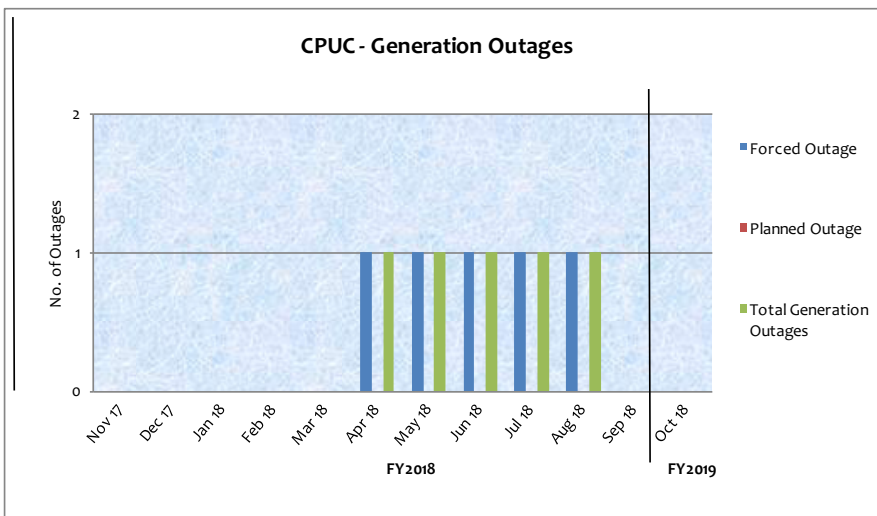


1.6 Key Points:

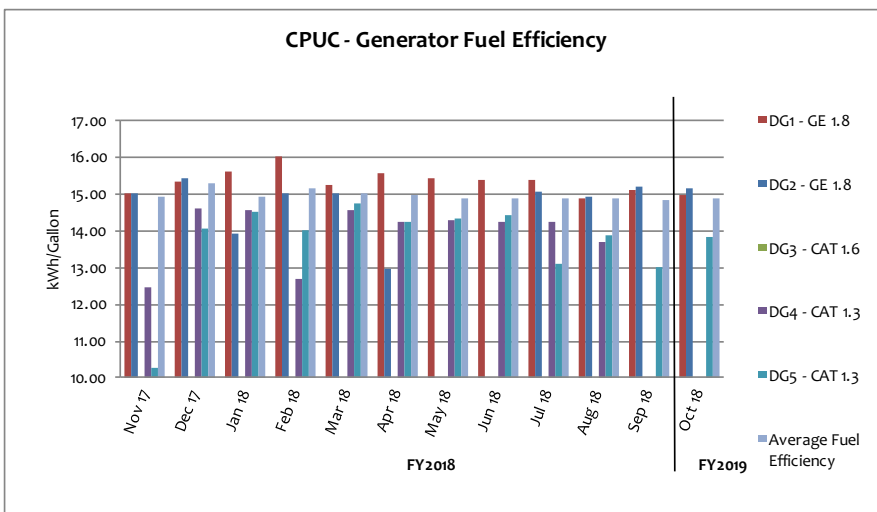
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

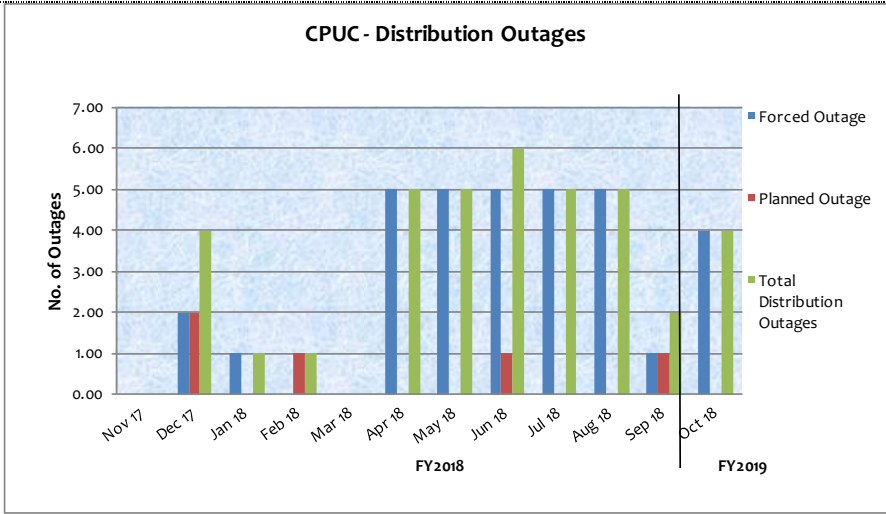


2.2 Key Points:

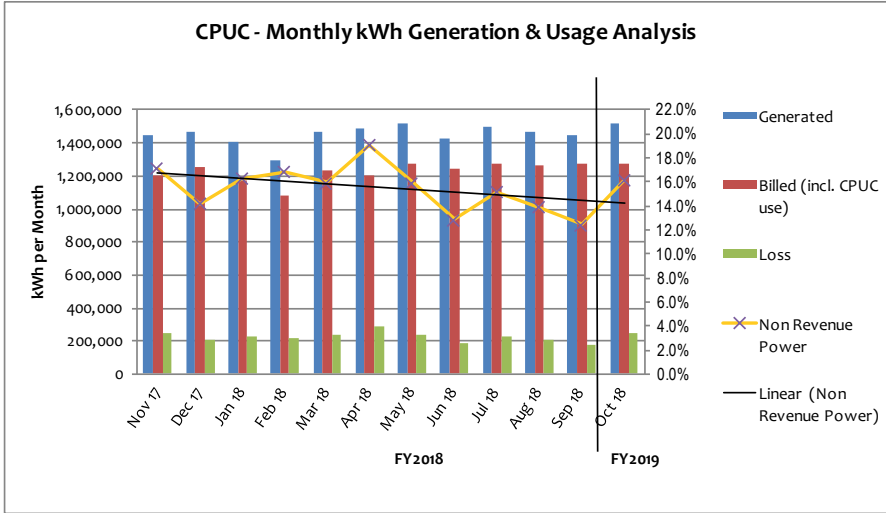


2.3 Key Points:

Avg fuel efficiency in FY2018 15.0 kWh/gall.

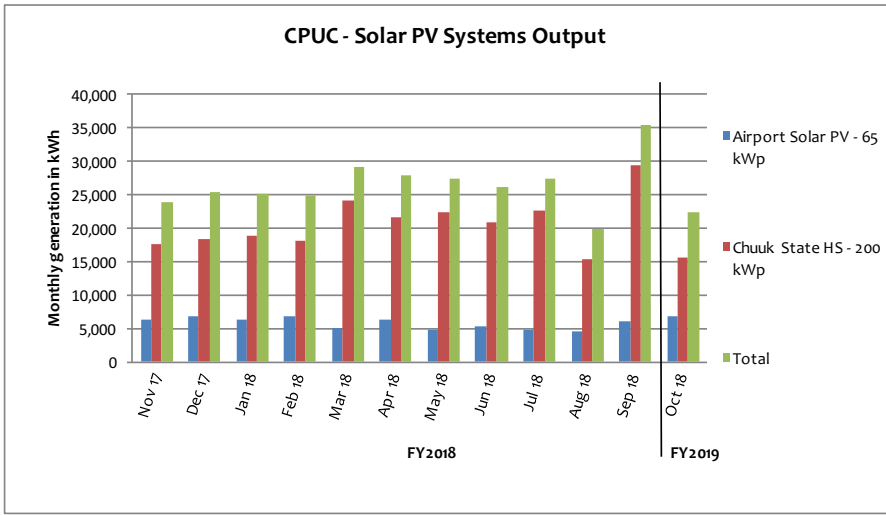


2.4 Key Points



2.5 Key Points:

Power loss for FY2018 – 15.6%;



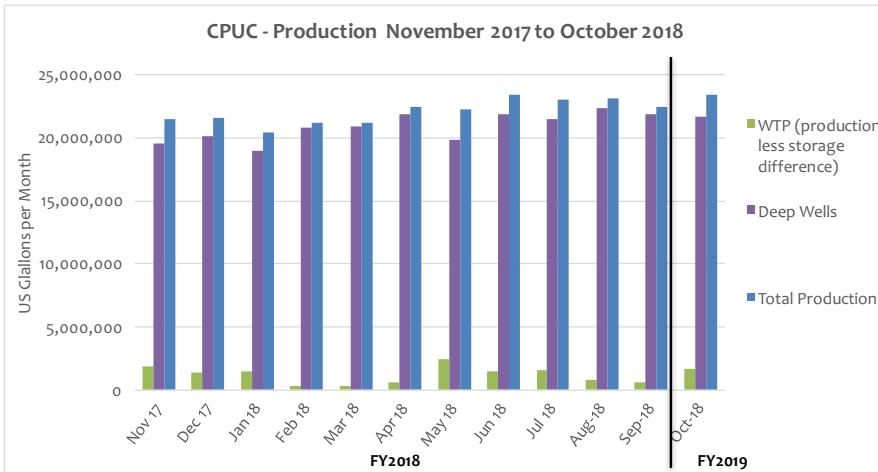
2.6 Key Points:

Solar PV accounted for 1.8% of CPUC generation in October 18;

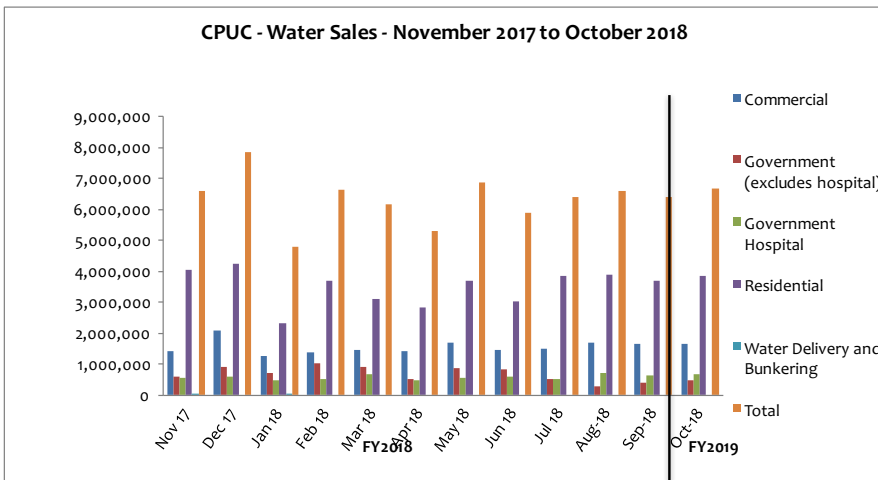
The avoided cost of fuel was: US\$70,922

Avoided Tons of CO2 was 141.4 Tons;

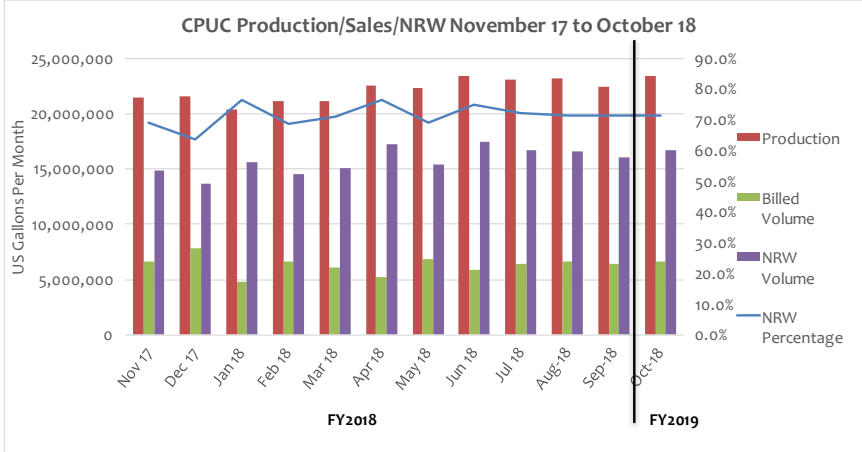
3 WATER PERFORMANCE GRAPHS



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



Key Points:



Key Points:
Investigations is ongoing into illegal connection identification; production is also being controlled by timer to minimize production into supply.

Financial Table1 P & L Statement – November 2017 to October 2018

Revenue - US\$	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019
Operating revenue:														
a. Power Sales	551,733	582,033	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	7,058,632	665,920
b. Water Sales	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	273,716	24,496
c. Sewer Sales	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	145,333	12,204
d. Other operating revenue	6,785	9,286	9,585	5,421	4,121	9,731	7,207	5,599	14,697	19,052	8,980	12,939	108,961	12,939
Revenue - Total	593,643	633,926	592,325	554,192	632,658	614,163	664,672	646,302	675,089	676,887	700,789	715,559	7,586,642	715,559
Expenses - US\$														
Fuel & Lubricants	287,127	299,209	289,899	284,789	310,514	312,850	335,161	324,799	341,204	333,944	329,402	357,813	3,738,941	357,813
Salaries, Wages & Benefits	89,928	84,071	93,046	78,835	92,771	114,968	85,955	71,648	97,994	96,620	82,808	90,443	1,087,840	90,443
Contractual Services	10,393	7,553	7,871	8,108	10,581	10,907	7,900	10,121	8,250	7,494	8,596	10,274	105,293	10,274
O&M - Power Generation	14,552	18,162	19,023	10,207	17,195	20,243	22,514	20,235	11,026	21,919	11,968	2,592	205,681	2,592
O&M - Power Distribution	12,181	10,071	8,129	8,437	11,671	10,618	14,031	9,940	15,741	10,603	18,625	8,235	140,422	8,235
O&M - Water	3,144	2,946	4,267	5,762	3,112	3,723	4,079	3,515	12,388	6,097	8,152	2,591	59,845	2,591
O&M - Sewer	0	0	0	215	367	2,901	0	0	120	0	0	71	3,602	71
Finance & Administration Overheads	47,826	45,795	62,537	38,727	49,390	69,883	70,246	58,144	52,455	39,815	34,970	56,170	619,662	56,170
Vehicle & Eq. Fuel	8,198	11,655	17,854	13,402	15,892	16,338	11,216	10,511	24,804	17,424	13,600	12,698	180,871	12,698
CPUC Power Usage (incl. in O&M from Oct 15)	12,316	13,531	12,231	11,954	12,616	12,285	13,443	15,005	13,736	14,233	13,266	15,329	157,143	15,329
Training	0	3,000	0	608	0	0	0	653	0	5,340	0	0	9,601	0
Expense - Total	485,666	495,993	514,857	461,045	524,109	574,716	564,544	524,571	577,718	553,489	521,388	556,217	6,308,899	556,217
Operating Income/(Loss)	107,977	137,934	77,468	93,147	108,550	39,447	100,128	121,731	97,371	123,398	179,401	159,343	1,277,743	159,343
Non-Cash Expenses - US\$														
Depreciation	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	118,520	1,467,491	118,520
Interest Expense	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	68,004	5,667
Non-Cash Expense - Total - US\$	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	124,187	1,535,495	124,187
Income/(Loss) - excluding grant support - US\$	-19,981	9,976	-50,490	-34,811	-19,408	-88,511	-27,830	-6,227	-30,587	-4,560	51,443	35,156	-257,752	35,156
Non-operating Income (Grant Support) - US\$	324	107	98	10	115,061	89	59	89	300,139	61	64	0	416,122	0
Income/(Loss) - including grant support - US\$	-19,657	10,083	-50,392	-34,801	95,653	-88,422	-27,772	-6,138	269,552	-4,498	51,507	35,156	158,370	35,156

Financial Table 2 Cash Flow and A/R Report – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019
Cash Flow Report - US\$														
Receipts	434,000	534,819	557,546	470,120	598,123	632,467	570,529	511,773	900,095	578,614	613,681	568,122	6,998,463	568,122
Disbursements	431,602	656,940	673,416	461,494	538,318	516,528	712,577	692,907	974,693	497,138	490,106	400,353	7,206,976	400,353
Net receipts/Disbursements	2,398	-122,121	-115,870	8,626	59,805	115,940	-142,048	-181,134	-74,598	81,476	123,575	167,769	-208,513	167,769
Cash balance (beginning)	1,323,404	1,325,802	1,203,681	1,087,811	1,096,437	1,156,242	1,272,182	1,130,134	949,000	923,458	1,004,934	1,128,509	1,287,966	245,648
Cash balance (end)	1,325,802	1,203,681	1,087,811	1,096,437	1,156,242	1,272,182	1,130,134	949,000	874,402	1,004,934	1,128,509	1,296,278	1,096,437	1,296,278
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)	1,324,109	1,201,987	1,086,117	1,094,743	1,154,549	1,270,488	1,128,440	947,306	921,765	1,003,240	1,126,815	1,294,584	1,126,815	1,294,584
Stocks	926,942	970,732	1,057,100	1,098,435	1,090,969	1,025,115	1,086,804	1,189,033	1,197,970	1,237,812	1,150,298	1,174,400	1,150,298	1,174,400
Trade Receivable	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	557,173	540,583
Prepaid Lease	287,043	285,466	311,146	309,114	307,083	305,051	303,019	300,988	298,956	296,925	294,893	292,861	294,893	292,861
Collateral with Vital Inc.	513,772	526,146	538,061	549,060	560,517	573,349	586,180	598,096	610,469	622,843	634,300	647,590	634,300	647,590
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	815,008	798,719	786,939	806,922	788,759	893,772	842,597	850,353	748,381	829,741	828,618	937,409	828,618	937,409
Loans Payable	4,377,078	4,231,945	4,227,846	4,223,747	4,219,649	4,215,550	4,259,128	4,255,029	4,106,082	4,101,983	4,097,884	4,093,785	4,097,884	4,093,785
Total Accounts Receivable (to date) - US\$														0
Government Power	242,066	184,272	227,579	199,339	258,831	250,820	271,125	282,790	299,318	297,133	321,533	338,492	321,533	338,492
Commercial Power	110,816	128,073	81,640	80,662	76,819	70,408	34,489	59,523	40,873	12,240	35,477	-13,692	35,477	-13,692
Residential Power	121,589	125,025	126,099	131,743	136,012	139,601	142,737	142,930	142,003	142,954	147,884	149,639	147,884	149,639
Water	189,328	171,831	165,595	158,783	156,843	147,447	145,723	130,542	103,493	97,643	89,343	91,005	89,343	91,005
Sewer	120,447	132,391	142,656	155,150	167,883	179,386	195,206	203,048	214,338	226,663	238,500	250,703	238,500	250,703
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	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	557,173	540,583

Financial Table 3 Power Sales Report – November 2017 to October 2018

Power Sales Report	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	67,068	69,429	72,934	63,670	75,452	73,498	73,803	74,129	73,975	69,063	73,902	78,982	857,283	78,982
Government - Pre Paid (Cash Power)	28,412	42,359	49,664	31,072	46,772	30,113	54,471	43,422	45,305	44,399	38,838	46,381	504,164	46,381
Government Streetlights	2,510	2,510	2,594	2,343	2,594	2,510	2,594	2,510	2,594	2,594	2,546	3,083	30,496	3,083
Solar	3,442	3,442	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	46,311	3,998
Government Scratchcard	84	158	28	74	64	56	37	0	0	0	0	0	584	0
Government Total	101,516	117,899	129,218	101,158	128,881	110,175	134,903	124,059	125,872	120,054	119,284	132,444	1,438,838	132,444
Commercial - Post Paid	221,506	219,702	214,872	196,741	218,890	221,133	235,177	237,304	246,223	243,928	268,635	250,934	2,751,357	250,934
Commercial - Pre Paid (Cashpower)	81,054	78,182	74,905	72,373	88,704	80,849	89,572	83,873	87,521	83,362	92,268	94,573	992,414	94,573
Commercial - Scratchcard	1,206	1,345	873	697	799	1,096	1,168	0	0	0	0	0	8,095	0
Commercial Total	303,766	299,229	290,651	269,811	308,392	303,079	325,918	321,177	333,744	327,290	360,904	345,507	3,751,866	345,507
Residential - Post Paid	6,359	6,378	5,689	6,252	6,848	6,335	6,637	4,005	2,302	4,511	8,061	4,820	69,808	4,820
Residential - Pre Paid (Cashpower)	110,570	126,734	111,008	101,320	120,432	119,247	124,215	129,990	134,069	136,455	133,278	151,808	1,453,847	151,808
Residential Scratch Card Sales	8,519	9,786	9,245	8,558	10,075	10,336	11,216	10,945	12,240	12,368	11,758	13,863	124,156	13,863
Residential Total	125,448	142,899	125,941	116,129	137,355	135,917	142,068	144,940	148,611	153,334	153,097	170,490	1,647,811	170,490
Trade Power Sales Total	530,730	560,027	545,809	487,098	574,628	549,171	602,888	590,176	608,227	600,678	633,285	648,441	6,838,516	648,441
Intercompany - CPUC Office	1,259	1,231	1,052	1,236	1,353	1,346	1,584	968	1,246	1,258	1,262	1,461	14,914	1,461
Intercompany - CPUC Power Operation	1,807	2,200	2,274	3,662	3,548	4,223	3,313	4,221	5,856	4,138	1,155	3,060	38,604	3,060
Intercompany - CPUC Water Operations	5,117	5,274	5,341	5,630	5,284	6,191	5,947	6,017	6,247	6,082	5,910	6,274	62,774	5,910
Intercompany - CPUC Sewer Operations	7,199	7,730	6,957	6,613	6,986	7,002	7,252	9,058	7,719	7,986	7,184	9,420	88,568	9,420
Cash Power UnEarned	5,621	5,044	-6,594	8,145	645	6,506	-5,327	-3,361	-2,319	679	7,172	-2,371	9,455	-2,371
Total Power Sales - US\$	551,733	576,232	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	7,052,831	665,920
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	131,216	124,393	131,990	112,194	133,344	133,282	128,938	130,010	124,632	114,393	123,341	128,300	1,531,838	128,300
Government - Pre Paid (Cash Power)	57,397	84,787	98,305	60,593	90,820	58,860	105,216	81,990	84,888	82,174	69,891	82,440	975,797	82,440
Government - Street Lights	10,042	10,377	10,377	9,372	10,377	10,042	10,377	10,042	10,377	10,377	10,377	10,377	122,514	10,377
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	169	315	55	144	126	109	72	0	0	0	0	0	1,160	0
Government Total	198,824	219,871	240,726	182,303	234,667	202,293	244,603	222,042	219,897	206,944	203,609	221,117	2,631,309	221,117
Commercial - Post Paid	470,432	474,338	455,268	411,038	454,280	460,260	485,944	478,382	492,190	502,928	513,220	470,232	5,684,451	470,232
Commercial - Pre Paid (Cashpower)	170,640	163,016	154,379	146,860	179,199	164,461	179,972	164,585	170,374	160,220	172,239	174,360	1,995,954	174,360
Commercial Scratchcard	2,536	2,810	1,801	1,408	1,613	2,230	2,339	0	0	0	0	0	16,680	0
Commercial Total	643,609	640,164	611,449	559,306	635,092	626,952	668,256	642,968	662,564	663,148	685,459	644,592	7,697,085	644,592
Residential - Post Paid	14,281	14,308	12,414	13,499	14,757	13,722	14,119	8,460	4,693	9,168	15,876	9,408	149,898	9,408
Residential - Pre Paid (Cashpower)	248,529	281,944	243,919	218,975	259,049	258,389	265,644	270,981	277,232	278,365	263,604	296,326	3,109,297	296,326
Residential Scratch Card Sales	19,130	21,767	20,312	18,457	21,602	22,371	23,971	22,757	25,147	25,233	23,185	24,966	264,699	24,966
Residential Total	281,939	318,019	276,645	250,931	295,408	294,483	303,734	302,199	307,072	312,766	302,665	330,700	3,523,893	330,700
Trade Power Sales Total	1,124,373	1,178,054	1,128,820	992,540	1,165,166	1,123,728	1,216,593	1,167,208	1,189,532	1,182,858	1,191,733	1,196,409	13,852,288	1,196,409
Intercompany - CPUC Office	4,996	4,883	4,174	4,905	5,371	5,341	6,287	3,840	4,944	4,992	4,582	5,797	58,756	5,797
Intercompany - CPUC Power Operation	7,169	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	153,619	12,142
Intercompany - CPUC Water Operations	20,305	23,019	20,929	21,194	22,342	20,967	24,568	23,600	23,876	24,789	24,134	23,451	272,124	23,451
Intercompany - CPUC Sewer Operations	28,567	30,674	27,608	26,243	27,721	27,784	28,777	28,777	30,632	31,690	28,507	37,380	351,460	37,380
Cash Power Unearned (accrual)	13,629	11,781	-12,394	18,562	1,783	12,607	-9,657	-6,799	-581	2,115	16,509	-1,558	35,099	-1,558
Total Power Sales - kWh	1,199,039	1,257,143	1,178,159	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	1,273,621	14,723,346	1,273,621

Financial Table 4 Water Sales Report – November 2017 to October 2018

Water/Sewer Sales Report	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,721	5,929	4,524	5,175	6,509	4,473	6,285	6,073	4,539	5,030	4,970	5,708	64,292	5,708
Commercial	8,234	12,666	6,453	9,615	8,427	7,950	9,549	7,748	9,437	9,911	10,118	9,379	107,226	9,379
Residential	9,953	10,720	6,703	9,391	8,077	7,195	9,756	8,102	8,380	9,542	8,745	9,409	105,891	9,409
Provision for Billing Errors	0	-864	-515	0	0	0	0	0	0	0	0	0	-3,693	0
Total	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	273,716	24,496
Sewer Sales - US\$														
Government	2,584	2,792	2,155	2,455	3,112	2,159	2,976	2,937	2,057	2,405	2,380	2,739	30,340	2,739
Commercial	3,503	4,966	2,959	4,407	3,731	3,283	6,978	2,994	3,103	3,442	3,051	6,753	45,250	6,753
Commercial with No Water	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,705	3,705	0	44,261	0
Residential	623	839	373	590	533	465	643	494	725	733	620	2,712	7,167	2,712
Residential with No Water	1,890	1,920	1,650	1,640	1,672	1,690	1,690	1,660	1,720	2,080	2,080	0	21,372	0
Provision for Billing Errors	-1,067	-45	-20	-284	0	0	0	0	0	0	0	0	-3,057	0
Sewer Sales	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	145,333	12,204
Total Water & Sewer Sales	35,126	42,608	27,968	36,676	35,747	30,900	41,563	33,693	33,645	36,849	35,669	36,700	419,049	36,700
Water Sales - Gallons														
Government	1,166,540	1,213,390	926,840	1,060,550	1,325,570	1,024,000	1,284,200	1,235,380	929,270	1,027,400	1,020,140	1,163,478	13,253,730	1,163,478
Commercial	1,757,601	2,653,620	1,356,500	2,021,732	1,755,524	1,412,626	1,959,536	1,600,245	1,987,310	2,059,220	2,059,130	1,959,674	22,148,259	1,959,674
Residential	3,673,740	3,959,580	2,496,370	3,531,293	3,060,852	2,844,630	3,612,323	3,059,913	3,466,640	3,533,960	3,275,420	3,533,710	39,930,226	3,533,710
Water Delivery & Bunkering	0	0	25,000	0	0	0	0	0	0	0	0	0	49,325	0
Total	6,597,881	7,826,590	4,804,710	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,620,580	6,354,690	6,656,862	75,381,540	6,656,862

Financial Table 5 Key Performance Indicators – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019
1a. Non Revenue Power	17.2%	14.2%	16.3%	16.9%	16.0%	19.1%	16.0%	12.9%	15.2%	13.9%	12.5%	16.2%	15.6%	16.2%
Total Power Generated - kWh	1,447,714	1,465,704	1,407,441	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	1,519,270	17,441,330	1,519,270
Total Power Billed - kWh	1,199,039	1,257,143	1,178,159	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	1,273,621	14,723,346	1,273,621
Generation Loss (actual from Jun 17)	12,165	13,575	13,196	19,438	19,451	22,097	19,348	20,589	28,184	21,414	9,591	17,939	212,248	17,939
Distribution Loss Derived - kWh	200,318	158,343	180,899	167,208	178,969	224,987	186,037	127,084	161,788	146,062	134,856	189,728	2,069,703	189,728
Commercial Loss (assumed 2.5%) - kWh	36,193	36,643	35,186	32,426	36,792	37,289	38,080	35,595	37,477	36,675	36,280	37,982	436,033	37,982
Total Loss - kWh	248,676	208,561	229,281	219,072	235,212	284,372	243,465	183,268	227,449	204,152	180,727	245,648	2,717,984	245,648
Distribution loss %	13.8%	10.8%	12.9%	12.9%	12.2%	15.1%	12.2%	8.9%	10.8%	10.0%	9.3%	12.5%	11.9%	12.5%
1b. Non Revenue Water	69.7%	63.5%	76.5%	68.2%	70.5%	76.4%	69.0%	75.3%	72.2%	71.3%	71.7%	71.5%	71.4%	71.5%
Water Produced (million gallons)	21.75	21.45	20.45	20.81	20.83	22.34	22.13	23.82	22.98	23.08	22.44	23.32	263.4	23
Water Billed (million gallons)	6.60	7.83	4.80	6.61	6.14	5.28	6.86	5.90	6.38	6.62	6.35	6.66	75	7
2. Current ratio	4.02	3.97	4.00	3.96	4.22	3.78	3.94	3.86	4.35	4.06	4.19	3.90	4.06	3.90
	3.79	3.72	3.77	3.74	3.95	3.59	3.69	3.63	4.12	3.86	3.98	3.69	3.84	3.69
	12.45	12.95	11.53	10.55	12.88	9.42	10.49	9.70	8.44	7.57	7.37	8.69	8.46	8.69
	4.04	4.78	4.87	5.30	6.51	4.95	6.75	6.40	8.11	6.82	8.15	7.90	7.46	7.90
3. ROA (excludes other operating income/grant support)	-0.09%	0.04%	-0.22%	-0.15%	-0.09%	-0.39%	-0.12%	-0.03%	-0.13%	-0.02%	0.22%	0.15%	-0.01	0.00
Power Business	0.26%	0.38%	0.17%	0.15%	0.27%	-0.03%	0.21%	0.33%	0.27%	0.36%	0.64%	0.52%	0.03	0.01
Water Business	-4.54%	-3.33%	-5.84%	-3.90%	-4.51%	-5.29%	-2.10%	-1.96%	-2.59%	-2.08%	-1.95%	-1.18%	-0.25	-0.01
Sewer Business	-0.98%	-0.90%	-1.07%	-0.89%	-0.98%	-1.22%	-0.99%	-1.03%	-1.14%	-1.07%	-0.96%	-1.01%	-0.13	-0.01
4. Operating ratio	0.82	0.78	0.87	0.83	0.83	0.94	0.85	0.81	0.86	0.82	0.74	0.78	0.83	0.78
Power Business	0.75	0.73	0.78	0.77	0.77	0.85	0.79	0.75	0.78	0.75	0.69	0.73	0.76	0.73
Water Business	1.35	1.09	1.90	1.26	1.41	1.57	1.38	1.40	1.66	1.44	1.38	1.11	1.46	1.11
Sewer Business	2.92	2.27	3.29	2.38	2.66	3.78	2.21	2.75	3.22	2.79	2.45	2.66	2.81	2.66
5. Days in Accounts Receivable	26.00	23.13	24.90	22.97	25.69	25.42	24.22	25.44	24.62	22.85	24.16	23.08	22.45	23.08
Power Business	16.73	14.64	15.31	13.96	16.13	15.67	14.69	15.91	15.64	14.57	15.96	14.63	13.85	14.63
Water Business	159.24	117.65	188.22	126.26	138.17	151.48	114.90	118.52	91.04	77.19	75.25	73.82	77.10	73.82
Sewer Business	215.88	182.19	257.67	238.76	267.30	320.45	246.58	343.35	373.40	354.78	404.47	408.19	337.09	408.19

Power Table 1 Power Operation Indicators – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	1,423,854	1,440,435	1,382,447	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	1,496,930	17,122,425	1,496,930
Peak Generation - kW	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,941	2,906
Fuel Consumption - Gallons	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	1,143,186	100,623
Average Fuel Price (\$/Gallon)	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.33	3.62
Load Factor (%)	70%	74%	73%	66%	73%	68%	71%	67%	71%	69%	68%	69%	67%	69%
Capacity Factor (%)	49%	47%	46%	46%	48%	52%	51%	50%	49%	50%	51%	52%	40%	39%
Availability Factor (%)	100%	100%	100%	100%	100%	200%	300%	400%	500%	600%	700%	800%	100%	100%
Reserve Plant Margin (%)	185%	195%	205%	202%	191%	169%	173%	176%	182%	178%	174%	168%	165%	168%
Solar PV Generation - kWh														
Solar PV Generation - kWh	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	318,905	22,340
Solar Generation %	1.6%	1.7%	1.8%	1.9%	2.0%	1.9%	1.8%	1.8%	1.8%	1.4%	2.4%	1.5%	1.8%	1.5%
Peak PV Generation - kW	186	197	195	195	228	217	213	204	213	155	276	175	153	1,261
Avoided Fuel - Gallons	1,596	1,654	1,671	1,643	1,943	1,853	1,830	1,758	1,832	1,332	2,376	1,502	21,293	1,502
Avoided Cost of Fuel - US\$	4,924	5,211	5,374	5,489	6,413	6,096	6,224	6,205	6,466	4,662	8,373	5,439	70,922	5,439
Tons of CO2 avoided	16.1	16.7	16.9	16.6	19.6	18.7	18.5	17.8	18.5	13.5	24.0	15.2	215.1	15.2
Labour Productivity (kWh/Emp/d)														
Labour Productivity (kWh/Emp/d)	1,589	1,608	1,543	1,420	1,610	1,634	1,670	1,560	1,643	1,615	1,580	1,671	1,466	1,509
SFOC (kWh/gal)														
SFOC (kWh/gal)	14.95	15.28	14.95	15.16	15.03	15.00	14.90	14.89	14.90	14.87	14.86	14.88	14.98	14.88
DG1 - GE 1.8	15.00	15.33	15.60	16.03	15.28	15.56	15.42	15.39	15.38	14.87	15.11	15.00	15.36	15.00
DG2 - GE 1.8	15.03	15.44	13.91	15.02	15.04	12.96	0.00	0.00	15.09	14.96	15.20	15.15	15.01	15.15
DG3 - CAT 1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DG4 - CAT 1.3	12.45	14.61	14.58	12.69	14.58	14.27	14.32	14.23	14.26	13.70	0.00	0.00	14.24	0.00
DG5 - CAT 1.3	10.28	14.04	14.53	14.01	14.73	14.26	14.35	14.42	13.09	13.90	13.02	13.83	14.09	13.83
SLOC (kWh/gal)														
SLOC (kWh/gal)	3,423	3,373	7,900	3,270	5,657	7,071	3,649	6,353	3,803	2,548	2,216	5,780	3,747	5,780
DG1 - GE 1.8	6,026	7,339	7,981	2,301	5,535	8,436	3,340	6,954	4,471	1,326	2,856	4,249	3,655	4,249
DG2 - GE 1.8	2,497	1,941	3,494	1,624	0	0	0	0	0	0	0	0	3,211	5,987
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outage Factor (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Planned Outage Factor (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	25.8%	24.9%	24.1%	24.3%	25.2%	27.3%	26.9%	26.6%	26.0%	26.4%	26.8%	27.4%	27.7%	27.4%
Distribution Losses (%)	8.7%	5.7%	7.8%	8.4%	7.5%	10.6%	7.5%	4.4%	6.7%	5.4%	4.0%	7.7%	85.0%	7.7%
SAIDI (hours/consumer)	0.00	1.10	0.20	0.18	0.00	0.01	0.05	0.10	0.04	0.01	0.22	0.07	2.94	0.07
SAIFI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.024	0.002
Average Cost (\$/kWh)	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.22	0.24

Power Table 2 Power Generation Statistics – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	620,670	689,840	750,222	814,476	885,536	868,903	801,572	764,918	769,020	613,939	456,999	599,140	8,772,077	599,140
DG2 - GE 1.8	781,572	617,206	283,005	56,835	9,924	5,797	0	0	447,921	776,739	781,727	706,479	4,466,850	706,479
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	663	0	3,050	663	3,050
DG4 - CAT 1.3	13,694	77,797	109,864	97,070	333,831	392,170	226,753	294,660	64,518	483	0	0	1,632,075	0
DG5 - CAT 1.3	7,918	55,592	239,356	303,752	213,185	196,890	467,581	338,059	190,332	55,380	177,172	188,261	2,250,760	188,261
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,423,854	1,440,435	1,382,447	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	1,496,930	17,122,425	1,496,930
Airport Solar Panel	6,263	6,858	6,249	6,857	5,060	6,227	4,803	5,322	4,761	4,605	5,975	6,816	69,699	6,816
High School Solar Grid Connect	17,597	18,411	18,745	18,059	24,139	21,568	22,472	20,850	22,540	15,209	29,328	15,524	249,206	15,524
Solar PV Generation Total (kWh)	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	318,905	22,340
Total Generation (kWh)	1,447,714	1,465,704	1,407,441	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	1,519,270	17,441,330	1,519,270
Maximum Demand (kW)	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,941	2,906
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)	7,169	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	153,619	12,142
Running Hours														
DG1 - GE 1.8	589	624	599	638	689	681	665	639	711	611	482	545	7,588	545
DG2 - GE 1.8	686	574	256	50	10	7	0	0	432	711	705	622	4,073	622
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	2	0	7	2	7
DG4 - CAT 1.3	18	115	127	180	353	459	278	385	115	3	0	0	2,064	0
DG5 - CAT 1.3	11	87	316	395	256	237	553	437	269	87	302	253	2,960	253
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,304	1,400	1,298	1,263	1,308	1,384	1,496	1,461	1,527	1,414	1,489	1,427	16,687	1,427

Power Table 3 Fuel & Lube Oil Statistics – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	41,366	45,002	48,096	50,796	57,966	55,846	51,967	49,717	50,005	41,289	30,252	39,939	571,208	39,939
DG2 - GE 1.8	52,005	39,979	20,343	3,785	660	447	0	0	29,682	51,936	51,437	46,617	297,646	46,617
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	51	0	450	51	450
DG4 - CAT 1.3	1,100	5,325	7,537	7,649	22,899	27,483	15,839	20,709	4,525	35	0	0	114,582	0
DG5 - CAT 1.3	770	3,958	16,475	21,674	14,474	13,805	32,588	23,437	14,542	3,985	13,604	13,616	159,700	13,616
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	1,143,186	100,623
Average Fuel Price (\$/Gallon)	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.33	3.62
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	103	94	94	89	160	103	0	110	172	198	0	0	1,258	0
DG2 - GE 1.8	101	81	81	35	0	0	0	0	25	105	265	0	823	0
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	0	15	0	0	0	0	0	10	0	0	0	0	25	0
DG5 - CAT 1.3	0	0	0	0	0	9	0	5	0	0	95	0	109	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	204	190	175	124	160	112	0	125	197	303	360	0	2,215	0
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	0	0	0	265	0	0	240	0	0	265	160	141	1,142	141
DG2 - GE 1.8	212	237	0	0	0	0	0	0	0	0	119	118	568	118
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	0	0	0	0	0	0	95	0	95	0	0	0	190	0
DG5 - CAT 1.3	0	0	0	0	95	95	75	95	95	0	0	0	455	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	212	237	0	265	95	95	410	95	190	265	279	259	2,355	259

Power Table 4 Distribution Feeder Statistics November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	2018 YTD	2019 YTD
Feeder 1 Load	378,113	379,445	373,740	337,024	390,261	392,615	408,635	388,111	397,981	388,731	387,602	393,189	4,606,622	393,189
Feeder 2 Load	124,585	126,251	123,941	111,784	126,393	127,629	124,573	112,270	117,490	115,156	122,494	128,796	1,455,155	128,796
Feeder 3 Load	444,911	440,356	414,923	383,908	429,225	412,167	418,084	412,284	439,104	430,116	422,751	454,583	5,114,975	454,583
Feeder 4 Load	386,163	399,296	376,959	349,067	390,147	378,916	386,126	341,765	357,225	348,312	345,868	363,327	4,464,146	363,327
Feeder 5 Load	101,777	106,781	104,682	95,828	116,198	158,131	166,415	148,790	159,108	163,289	162,895	161,436	1,588,184	161,436
Total Feeder Load (kWh)	1,435,549	1,452,129	1,394,245	1,277,611	1,452,224	1,469,458	1,503,833	1,403,220	1,470,908	1,445,604	1,441,610	1,501,331	17,229,082	1,501,331
													0	0
Feeder 1 Sales	317,849	342,476	333,252	284,561	348,192	319,342	352,439	335,551	342,521	327,785	320,046	346,801	3,961,355	346,801
Feeder 2 Sales	99,957	110,603	99,911	83,640	107,841	92,865	103,815	89,614	88,833	97,025	103,912	95,219	1,170,347	95,219
Feeder 3 Sales	383,048	388,891	359,044	337,654	363,674	339,801	358,328	368,224	358,796	347,271	381,846	371,324	4,399,688	371,324
Feeder 4 Sales	315,063	335,496	302,898	280,154	313,757	305,017	309,036	306,649	325,758	336,350	316,697	322,152	3,766,831	322,152
Feeder 5 Sales	74,282	85,398	74,360	73,870	82,994	130,183	137,661	124,197	127,795	135,897	142,532	129,824	1,260,670	129,824
Total Feeder Sales (kWh)	1,190,199	1,262,864	1,169,466	1,059,880	1,216,458	1,187,208	1,261,279	1,224,236	1,243,703	1,244,328	1,265,033	1,265,320	14,558,891	1,265,320
Feeder 1 Loss - kWh	60,264	36,969	40,488	52,463	42,069	73,273	56,196	52,560	55,460	60,946	67,556	46,388	645,267	46,388
Feeder 2 Loss - kWh	24,628	15,648	24,030	28,144	18,552	34,764	20,758	22,656	28,657	18,131	18,582	33,577	284,808	33,577
Feeder 3 Loss - kWh	61,863	51,465	55,879	46,254	65,551	72,366	59,756	44,060	80,308	82,845	40,905	83,259	715,287	83,259
Feeder 4 Loss - kWh	71,101	63,799	74,061	68,913	76,390	73,899	77,090	35,116	31,467	11,962	29,171	41,174	697,315	41,174
Feeder 5 Loss - kWh	27,495	21,383	30,322	21,958	33,204	27,948	28,754	24,593	31,313	27,392	20,363	31,612	327,514	31,612
Total Feeder Loss - kWh	245,350	189,264	224,779	217,731	235,766	282,250	242,553	178,984	227,205	201,276	176,577	236,010	2,670,191	236,010
Feeder 1 Loss - %	15.9%	9.7%	10.8%	15.6%	10.8%	18.7%	13.8%	13.5%	13.9%	15.7%	17.4%	11.8%	14.0%	11.8%
Feeder 2 Loss - %	19.8%	12.4%	19.4%	25.2%	14.7%	27.2%	16.7%	20.2%	24.4%	15.7%	15.2%	26.1%	19.6%	26.1%
Feeder 3 Loss - %	13.9%	11.7%	13.5%	12.0%	15.3%	17.6%	14.3%	10.7%	18.3%	19.3%	9.7%	18.3%	14.0%	18.3%
Feeder 4 Loss - %	18.4%	16.0%	19.6%	19.7%	19.6%	19.5%	20.0%	10.3%	8.8%	3.4%	8.4%	11.3%	15.6%	11.3%
Feeder 5 Loss - %	27.0%	20.0%	29.0%	22.9%	28.6%	17.7%	17.3%	16.5%	19.7%	16.8%	12.5%	19.6%	20.6%	19.6%
Total Feeder Loss - %	17.1%	13.0%	16.1%	17.0%	16.2%	19.2%	16.1%	12.8%	15.4%	13.9%	12.2%	15.7%	15.5%	15.7%

Power Table 5 Customer Energy Use By Category and By Feeder - October 2018

Feeder	kWh/Connection		
	Residential	Commercial	Government
F01	317	1,808	5,944
F02	198	2,102	2,602
F03	239	3,912	163
F04	215	3,172	4,582
F05	171	2,991	1,813
Total	228	2,797	3,021

Power Table 6 Power Distribution Statistics – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019 YTD
Number of Outages (Frequency)														
Forced - Generation	0	0	0	0	0	1	1	1	1	1	0	0	5	0
Planned - Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number of Outages (Gen)	0	0	0	0	0	1	1	1	1	1	0	0	5	0
Forced - Distribution	0	2	1	0	0	5	5	5	5	5	1	4	29	4
Feeder 1	0	0	0	0	0	1	1	1	1	1	0	0	5	0
Feeder 2	0	0	1	0	0	1	1	1	1	1	0	0	6	0
Feeder 3	0	0	0	0	0	1	1	1	1	1	0	0	5	0
Feeder 4	0	0	0	0	0	1	1	1	1	1	1	1	6	1
Feeder 5	0	2	0	0	0	1	1	1	1	1	0	3	7	3
Planned - Distribution	0	2	0	1	0	0	0	1	0	0	1	0	10	0
Feeder 1	0	0	0	1	0	0	0	0	0	0	0	0	2	0
Feeder 2	0	1	0	0	0	0	0	0	0	0	1	0	6	0
Feeder 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feeder 4	0	1	0	0	0	0	0	1	0	0	0	0	2	0
Feeder 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number of Outages (Dist)	0	4	1	1	0	5	5	6	5	5	2	4	39	4

Power Table 7 Power Outage Statistics – November 2017 to October 2018

	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	FY2018	FY2019 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.3	0.0
Planned - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Duration Gen Outage (Hrs)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.3	0.0
Forced - Distribution	0.0	28.4	5.5	0.0	0.0	0.3	1.4	0.5	1.0	0.3	1.1	2.0	40.3	2.0
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.5	0.0
Feeder 2	0.0	0.0	5.5	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	7.9	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.2	0.1	0.0	0.0	1.0	0.0
Feeder 4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	1.1	0.1	1.6	0.1
Feeder 5	0.0	28.4	0.0	0.0	0.0	0.1	0.5	0.1	0.2	0.1	0.0	1.9	29.3	1.9
Planned - Distribution	0.0	1.6	0.0	5.0	0.0	0.0	0.0	2.3	0.0	0.0	5.0	0.0	39.8	0.0
Feeder 1	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0
Feeder 2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	27.4	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feeder 4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.3	0.0
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Duration Dist Outage (Hrs)	0.0	30.0	5.5	5.0	0.0	0.3	1.4	2.8	1.0	0.3	6.1	2.0	80.1	2.0

Water Table 1 Water Production & Sales Data Statistics – November 2017 to October 2018

COMPANY WIDE DATA	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	FY2019
Water Production (Millions)													
WTP Production	1,928,900	1,375,100	1,487,200	349,600	300,800	583,300	2,468,300	1,481,700	1,594,000	833,100	580,100	1,727,500	1,727,500
Pink Apartment Volume start of Month	1,008,900	706,800	798,000	763,800	763,800	530,000	425,000	558,600	404,700	450,300	518,700	518,700	518,700
Pink Apartment Volume end of Month	706,800	798,000	763,800	1,105,400	1,105,400	425,000	558,600	404,700	450,300	518,700	518,700	581,400	581,400
Pink Apartment Vol in to Supply/(Storage)	302,100	-91,200	34,200	-341,600	-341,600	105,000	-133,600	153,900	-45,600	-68,400	0	-62,700	-62,700
Tankered volume for billing	0	7,000	8,000	8,000	8,000	0	26,500	26,500	12,000	12,000	12,000	0	0
Well Production (into supply)	19,526,200	20,173,000	18,933,800	20,814,200	20,877,200	21,912,700	19,821,100	21,912,700	21,439,900	22,322,700	21,873,000	21,656,400	21,656,400
Volume into network	21,757,200	21,449,900	20,447,200	20,814,200	20,828,400	22,601,000	22,129,300	23,521,800	22,976,300	23,075,400	22,441,100	23,321,200	23,321,200
Water Volume Bill (\$Billions)													
Commercial	1,406,141	2,081,310	1,257,940	1,401,826	1,449,674	1,412,626	1,711,186	1,458,732	1,508,790	1,702,780	1,651,810	1,667,764	1,667,764
Government (excludes hospital)	588,950	921,630	705,700	1,017,940	906,780	529,200	884,820	829,540	526,220	293,630	385,370	471,488	471,488
Government Hospital	571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	679,500
Residential	4,031,290	4,233,650	2,317,770	3,684,909	3,107,592	2,844,630	3,711,453	3,017,666	3,835,110	3,898,610	3,696,910	3,838,110	3,838,110
Water Delivery and Bunkering	13,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	6,610,881	7,826,590	4,804,710	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,610,620	6,384,690	6,656,862	6,656,862
NRW													
Volume	15,146,319	13,623,310	15,642,490	14,200,625	14,686,454	17,319,744	15,273,241	17,626,262	16,593,080	16,464,780	16,056,410	16,664,338	16,664,338
Percentage	69.6%	63.5%	76.5%	68.2%	70.5%	76.6%	69.0%	74.9%	72.2%	71.4%	71.5%	71.5%	71.5%
Invoiced Water Value (\$USD)													
Water Delivery and Bunkering													0
Commercial	\$8,428	\$12,902	\$6,556	\$9,812	\$8,474	\$8,010	\$9,550	\$7,748	\$9,578	\$9,958	\$10,159	\$9,438	108,479
Government (includes hospital)	\$5,721	\$5,929	\$4,524	\$5,175	\$6,509	\$4,473	\$6,285	\$6,073	\$4,539	\$4,419	\$4,452	\$4,966	62,963
Residential	\$9,953	\$10,720	\$6,703	\$9,391	\$8,077	\$7,195	\$9,756	\$8,294	\$9,281	\$9,538	\$8,745	\$9,409	106,834
Total	\$24,101	\$29,550	\$17,784	\$24,378	\$23,060	\$19,678	\$25,591	\$22,115	\$23,398	\$23,915	\$23,356	\$23,813	\$278,275
Sewer Charge (\$USD)													
Commercial	\$3,503	\$4,965	\$2,959	\$4,408	\$3,731	\$3,283	\$3,293	\$2,994	\$3,204	\$3,442	\$3,342	\$3,068	41,956
Commercial - w/o water	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,705	\$3,705	\$0	44,261
Government	\$2,584	\$2,792	\$2,155	\$2,455	\$3,112	\$2,159	\$2,976	\$2,057	\$2,405	\$2,380	\$2,739	\$2,739	30,340
Residential	\$623	\$819	\$373	\$590	\$579	\$465	\$643	\$588	\$740	\$733	\$630	\$642	7,312
Residential w/o water	\$1,890	\$1,920	\$1,650	\$1,640	\$1,675	\$1,690	\$1,660	\$1,660	\$1,720	\$2,089	\$2,076	\$2,070	21,369
Total	\$12,286	\$14,181	\$10,822	\$12,779	\$12,782	\$11,282	\$12,287	\$11,864	\$11,405	\$12,375	\$12,133	\$8,519	\$145,238

Water Table 2 Water/Sewer Connection Data – November 2017 to October 2018

COMPANY WIDE DATA	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	FY2019
Water Connection Data (No. of Connections)										470	473	481	481
Commercial - Billed	79	78	79	83	83	82	82	82	79	78	79	76	76
Commercial - Disconnected	2	2	2	0	0	1	1	1	4	5	5	8	8
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	17,799	26,683	15,923	16,889	17,466	17,227	20,868	17,789	19,099	21,831	20,909	21,944	21,944
Government - Billed	18	17	17	18	18	17	16	15	14	16	15	18	18
Government - Disconnected	5	6	6	5	5	6	7	7	7	8	8	7	7
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	32,719	54,214	41,512	56,552	50,377	31,129	55,301	55,303	37,587	18,352	25,691	26,194	26,194
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	571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	679,500
Residential - Billed	374	374	376	382	390	392	395	394	367	375	378	386	386
Residential - Disconnected	102	102	102	98	92	91	91	92	99	96	96	104	104
Residential - Meter Pulled	93	93	93	93	93	93	93	93	93	93	93	93	93
Residential Avge Consumption - Gall/conn/mth	10,779	11,320	6,164	9,646	7,968	7,257	9,396	7,659	10,450	10,396	9,780	9,943	9,943
Sewer Connection Data (No. of Connections)	474	477	440	459	459	460	459	452	476	505	490	505	505
Commercial Billed	45	41	39	45	45	44	43	41	45	43	40	42	42
Commercial Billed w/o water	53	53	53	53	53	53	53	54	54	54	54	54	54
Government Billed	17	16	16	17	17	16	15	15	13	15	14	17	17
Residential Billed	170	175	172	180	180	178	179	180	189	190	181	193	193
Residential Billed w/o water	189	192	160	164	164	169	169	162	175	203	201	199	199
STP Inflow (MG/month)	13.5	24.2	14.3	24.0	17.8	18.7	18.1	24.9	16.3	13.0	22.1	24.8	25
SEWER OVERFLOW W/O's													
North Zone	3	1	1	1	3	0	2	3	4	2	1	1	1
South Zone	2	0	3	1	0	6	3	1	1	1	1	1	1

Water Table 3 Zonal Water Use Statistics - FY2019

ZONAL NRW - September 2018					ZONAL NRW - FY2018 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	999,100	101,760	897,340	90%	1	7,444,900	1,168,390	6,276,510	84%
2	18,355,400	4,533,074	13,822,326	75%	2	208,994,300	58,639,830	150,354,470	72%
3	841,900	27,420	814,480	97%	3	13,656,900	565,257	13,091,643	96%
4	937,900	226,770	711,130	76%	4	11,556,400	2,427,520	9,128,880	79%
5	20,000	0	20,000	100%	5	250,000	20,000	230,000	92%
6	1,819,800	1,251,860	567,940	31%	6	27,862,000	14,250,090	13,611,910	49%
7	4,000	238,230	-234,230	-5856%	7	592,500	1,540,000	-947,500	-160%
8	343,100	277,748	65,352	19%	8	6,566,900	3,460,356	3,106,544	47%
Total	23,321,200	6,656,862	16,664,338	71.5%	Total	276,923,900	82,071,443	194,852,457	70.4%
ZONAL WATER CONSUMPTION - September 2018					ZONAL WATER CONSUMPTION - FY2018 YTD				
Zone	awge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	110	0	-	0	1	8,390	0	-	82,857
2	0	21,838	-	9,066	2	280,985	451,237	-	108,489
3	0	0	-	13,841	3	0	0	-	80,751
4	0	0	-	17,119	4	0	0	-	220,684
5	0	0	-	0	5	0	0	-	20,000
6	9,220	0	650,600	481	6	68,948	0	7,528,600	185,524
7	0	0	-	31,062	7	0	0	-	308,000
8	0	50,735	-	8,044	8	0	569,615	-	101,481
Total	20,909	25,691	650,600	9,780	Total	21,944	26,194	679,500	9,943

Work Order Summary – End October 2018

Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENAN	7	6	6	0	3	10
INTERNAL POWER	0	2	2	0	0	2
INTERNAL SEWER	2	7	7	0	4	5
INTERNAL WATER	5	5	5	0	3	7
POWER	112	78	82	1	78	112
REVENUE	82	210	226	25	173	119
SEWER	5	29	30	0	30	4
WATER	46	81	88	1	93	34
TOTAL ALL WORK ORD	259	418	446	27	384	293

Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding	WO Outstanding At End
INTERNAL MAINTENAN	2.7%	1.4%	23.1%	3.4%
INTERNAL POWER	0.0%	0.5%	-	0.7%
INTERNAL SEWER	0.8%	1.7%	-	1.7%
INTERNAL WATER	1.9%	1.2%	0.0%	2.4%
POWER	43.2%	18.7%	41.1%	38.2%
REVENUE	31.7%	50.2%	59.2%	40.6%
SEWER	1.9%	6.9%	88.2%	1.4%
WATER	17.8%	19.4%	73.2%	11.6%
TOTAL ALL WORK ORDERS			56.7%	

Administration Table 1 H&S Statistics – October 2018 & FY 2019



HEALTH & SAFETY REPORT: FY2018 - October 2018

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	October 2018						YEAR TO DATE - FY2019					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	10	1,694	0	0	0	0	0	1,694	0	0	0	0	0
Maintenance	5	744	0	0	0	0	0	744	0	0	0	0	0
Power Distribution - Line	17	2,304	0	0	0	0	0	2,304	0	0	0	0	0
Power Distribution - Contractors	11	2,915	0	0	0	0	0	2,915	0	0	0	0	0
Water & Sewer	11	1,592	0	0	0	0	0	1,592	0	0	0	0	0
Water & Sewer Contractors	12	1,959	0	0	0	0	0	1,959	0	0	0	0	0
Fin, Admin, Cust Care	17	2,646	0	0	0	0	0	2,646	0	0	0	0	0
TOTAL	83	13,853	0	0	0	0	0	13,853	0	0	0	0	0

FA - Number of First Aid cases **Total Hours Without Incident: - Whole Company** **679,591**

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 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	46	0	46
Maintenance	5	31	0	31
Power Distribution - Line	17	54	0	54
Power Distribution - Customer	11	0	0	0
WSS_Treatment/Prod	11	96	0	96
WSS Networks	12	0	0	0
Finance, Admin Cust Coord	17	130	0	130
TOTAL	83	357	0	357

Year To Date FY2019		
Total Hours Sick	Accident Related	Poor Health
46	0	46
465	0	31
1,769	0	54
0	0	0
852	0	96
0	0	0
2,264	0	130
5396	0	357

Sick Hours as Percentage of Total Hours Worked		2.6%	0.0%	2.6%
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39.0%	0.0%	2.6%
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DEPARTMENT	Number of Staff	October 2018		
		Total Hours Sick	Accident Related	Poor Health
Sick Hours as Percentage of Total Hours Worked				
Power Generation	10	2.7%	0.0%	2.7%
Maintenance	5	4.1%	0.0%	4.1%
Power Distribution - Line	17	2.3%	0.0%	2.3%
Power Distribution - Customer	11	0.0%	0.0%	0.0%
WSS_Treatment/Prod	11	0.0%	0.0%	0.0%
WSS Networks	12	0.0%	0.0%	0.0%
Finance, Admin Cust Coord	17	4.9%	0.0%	4.9%
TOTAL	83	2.6%	0.0%	2.6%

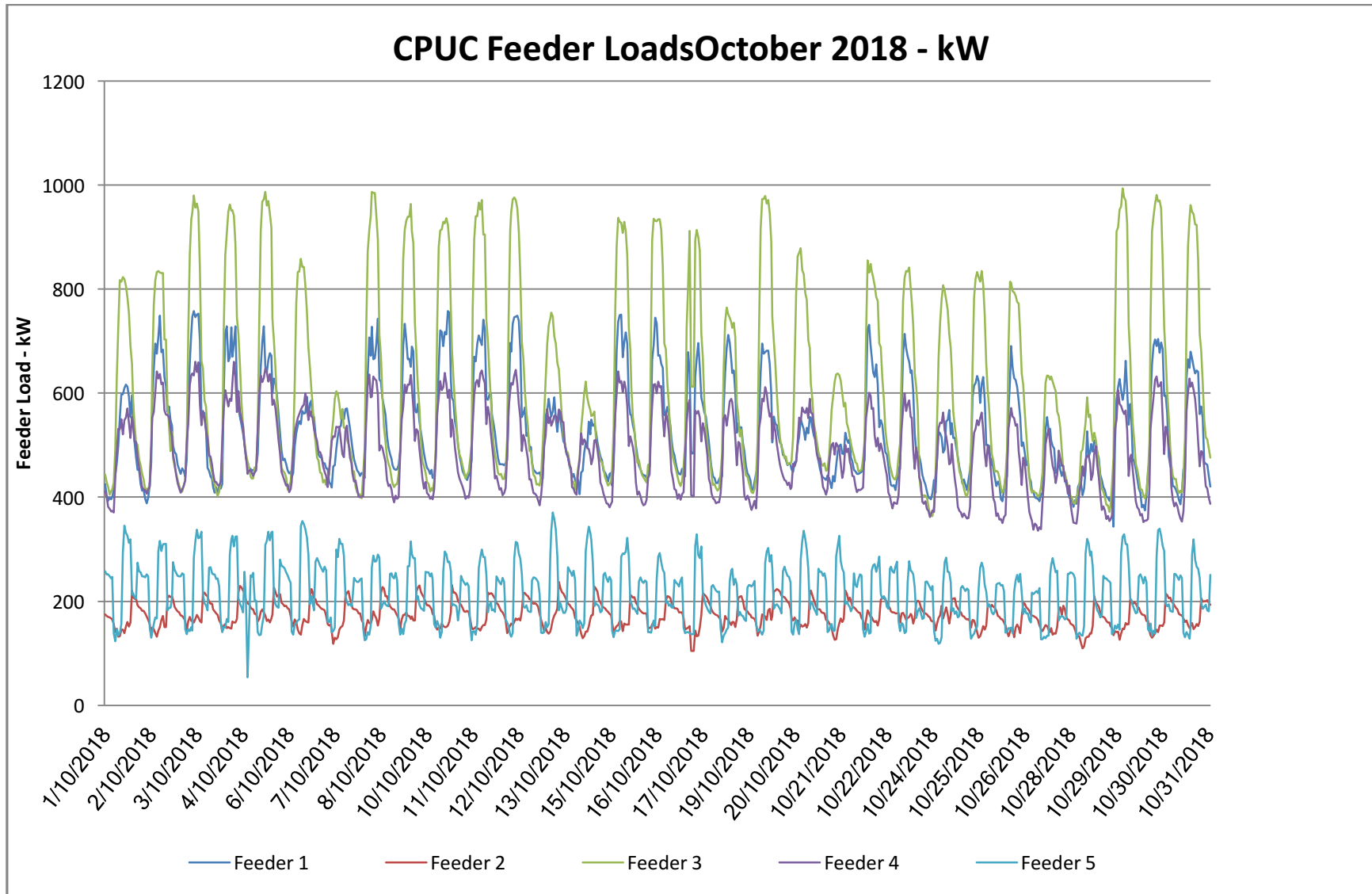
Administration Table 2 Attendance Summary – October 2018 & FY 2019

DEPARTMENT	October 2018								YEAR TO DATE - FY2019							
DEPARTMENT	Number of Staff	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Sick Leave As % of Hours
		Regular	Overtime						Regular	Overtime						
Power Generation	10	1,570	123	46	46	73	1,859	8	1,570	123	46	46	73	1,859	8	2.5%
Maintenance	5	725	19	39	31	46	860	8	725	19	39	31	46	860	8	3.6%
Power Distribution - Line	17	2,178	126	262	54	332	2,953	0	2,178	126	262	54	332	2,953	0	1.8%
Power Distribution - Contractors	11	2,915	0	0	0	0	2,915	0	2,915	0	0	0	0	2,915	0	0.0%
Water & Sewer	11	1,548	43	165	96	50	1,903	0	1,548	43	165	96	50	1,903	0	5.1%
Water & Sewer Contractors	12	1,959	0	102	0	0	2,061	0	1,959	0	102	0	0	2,061	0	0.0%
Fin, Admin, Cust Care	17	2,505	141	110	130	144	3,029	0	2,505	141	110	130	144	3,029	0	4.3%
TOTAL EMPLOYEES	83	13,400	453	724	357	645	15,579	15	13,400	453	724	357	645	15,579	15	2.3%
REGULAR STAFF	60	8,526	453	622	357	645	10,604	15	8,526	453	622	357	645	10,604	15	
Hours as % of Total Hours Claimed		80.4%	4.3%	5.9%	3.4%	6.1%		0.1%	80.4%	4.3%	5.9%	3.4%	6.1%		0.1%	
CONTRACT STAFF	23	4,874	0	102	0	0	4,976	0	4,874	0	102	0	0	4,976	0	
Hours as % of Total Hours Claimed		97.9%	0.0%	2.1%	0.0%	0.0%		0.0%	97.9%	0.0%	2.1%	0.0%	0.0%		0.0%	

CAPEX Table 1 Capex Summary Sheet – October 2018

Chuuk Public Utility Corporation Capex Summary Sheet as of October 31, 2018								
	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	196,042	70,256	0	212,149	54,149	16,107
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	342,746	353,810	-11,064	407,254	415,000	335,000	61,190
Total	1,016,298.00	609,044.00	549,852.00	59,192.00	407,254.00	627,149.00	389,149.00	77,297.00

Graph Showing Feeder Loads in kW - October 2018



Graph Showing Generation Output in kW - October 2018

