

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – November 2018



Issued: 19 December 2018

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Nov-18	FY2019	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Nov-18	FY2019	Nov-18	FY2019
Revenue	696,813	1,412,372	0.570	0.566	0.476	0.474
Variable Costs	367,684	742,793	0.301	0.297	0.251	0.249
Fixed Costs	161,472	342,580	0.132	0.137	0.110	0.115
Total Expenses	529,156	1,085,372	0.433	0.435	0.362	0.364
Operating result	167,657	327,000	0.137	0.131	0.115	0.110
Power generation	1,462,844	2,982,114				
<i>Diesel</i>	1,421,593	2,918,523				
<i>Solar</i>	41,251	63,591				
<i>Solar PV as % of Total Generation</i>	2.8%	2.1%				
<i>Avoided Cost of Fuel - US\$</i>	10,068	15,507				
<i>Tons of CO2 Avoided</i>	28.0	43.2				
					Sales	
Government Sales	191,419	412,536	Feeder	Conns	Nov-18	FY2019
Commercial Sales	657,075	1,301,667	F1	466	316,668	663,470
Residential Sales	320,418	651,118	F2	457	103,615	198,834
Intercompany Sales	71,598	150,368	F3	376	362,552	733,876
Sales Accrual	-17,254	-18,812	F4	374	300,896	623,048
Total Sales	1,223,256	2,496,878	F5	481	138,109	267,933
Power Loss	16.4%	16.3%	Total	2,155	1,221,840	2,487,161
Operating ratio	0.77	0.78	NB - Error on Total and Feeder sales YTD is <1.0%; 15,980 kWh station use is not included			
Water Produced - Gallons	25,652,100	48,973,300				
Water Sold - Gallons	6,437,073	13,093,935				
Non Revenue Water	74.9%	73.3%				

Daily generated output in November was 48,761 kWh/day; 0.5% lower than October. Average daily sales were 40,775 kWh/day; 0.8% lower than October. Total power loss was 16.4%.

Average fuel efficiency for November was 14.9 kWh/gallon – there has been a gradual decline in fuel efficiency since the installation of the new generators in May 2017 from around 15.3 kWh/gallon to current levels – some of this is related to the power assemblies – performance will be tracked and reviewed once power assemblies are changed out on Unit 1 in Q1 of 2019.

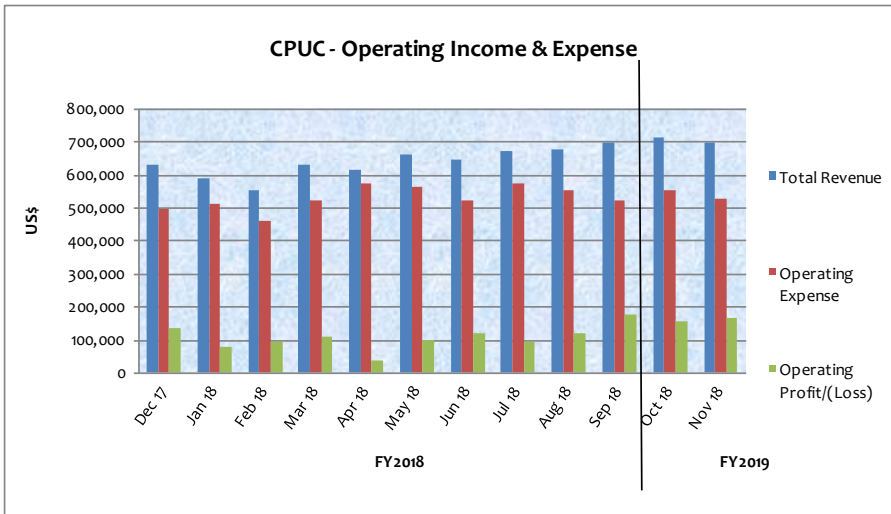
The split of power users for total sales throughput in November was as follows:

Government – 15.6%; Commercial – 53.7%; Residential – 26.2%; Intercompany 5.9%; Accrual -1.4%;

Solar PV generation in November was 41,251 kWh or 2.8% of total generation. The avoided cost of fuel was US\$10,068 and the amount of Carbon Dioxide avoided was 28.0 tons.

From a commercial perspective the operating result for November 2018 was US\$167,657 with an operating ratio of 0.77; YTD US\$ 327,000 and 0.78 respectively.

1 FINANCIAL PERFORMANCE GRAPHS

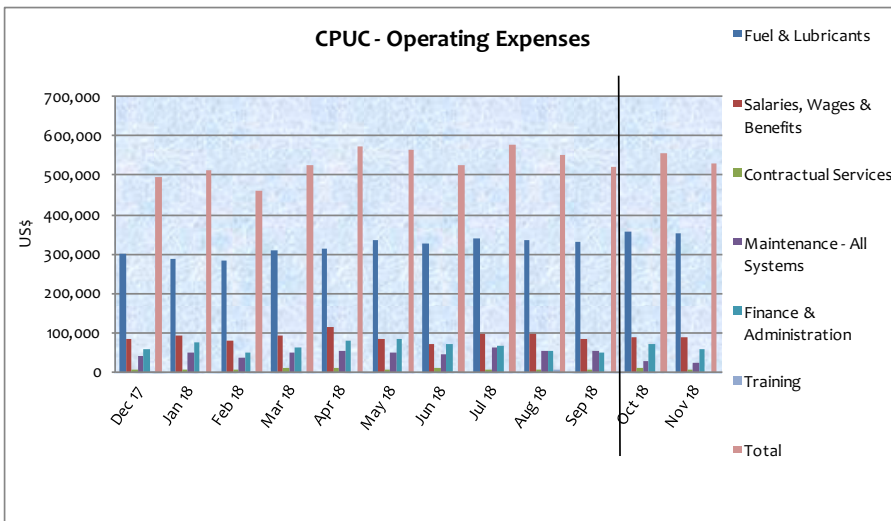


1.1 Key Points:

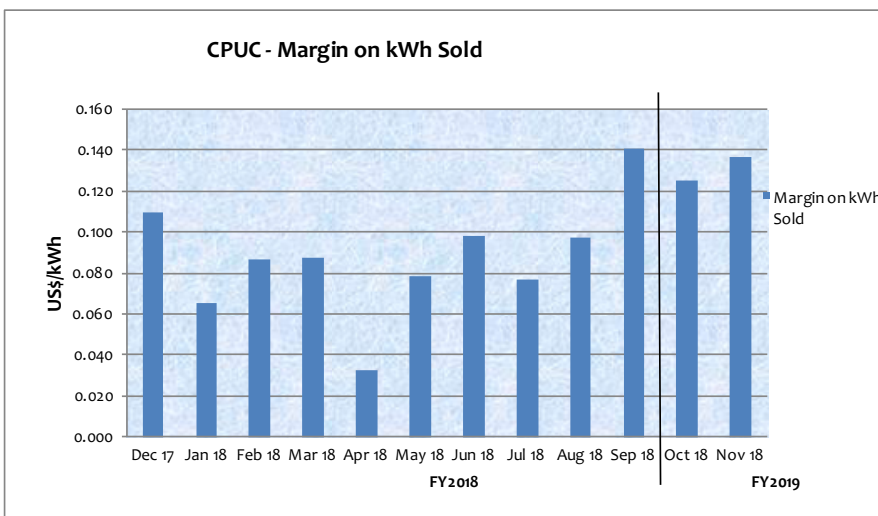
FY2018 Operating income before Depreciation & Interest :

FY2019 US\$327,000

Operating ratio: YTD 0.78;

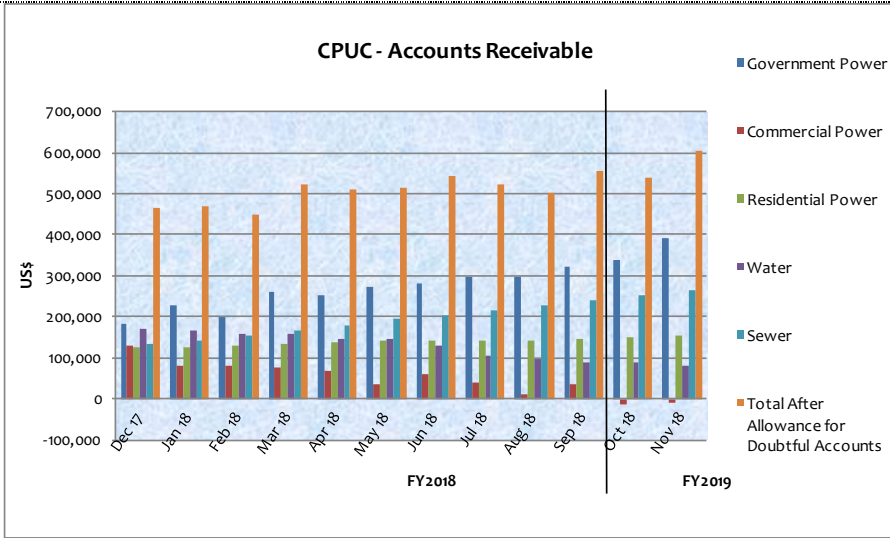


1.2 Key Points:



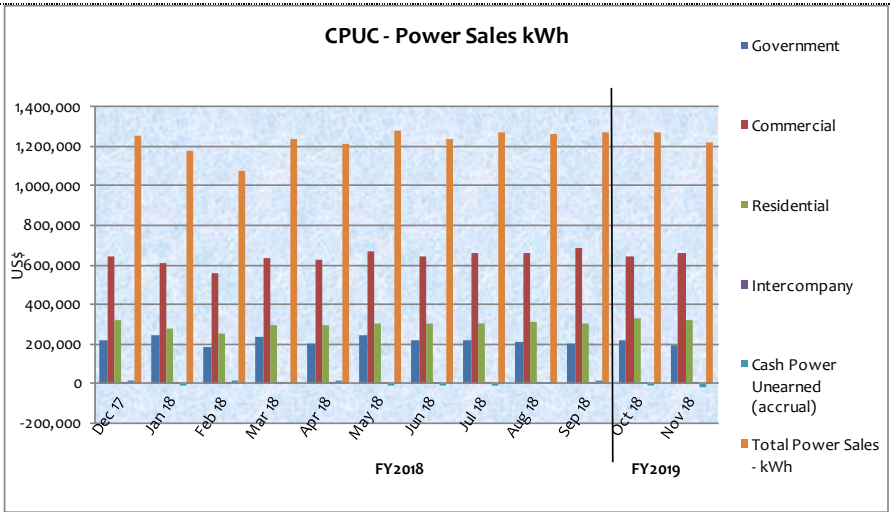
1.3 Key Points:

YTD US\$0.137 kWh sold.

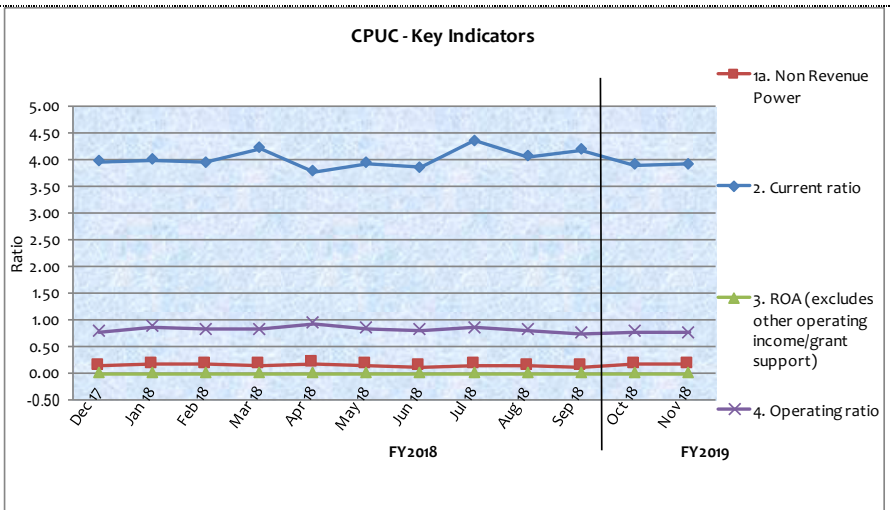


1.4 Key Points:

Accounts receivable from Government have grown significantly in November 2018

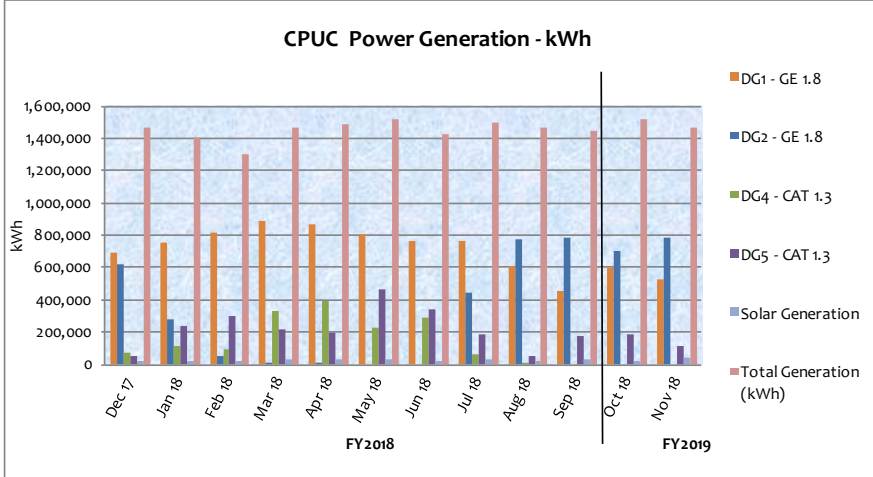


1.5 Key Points:

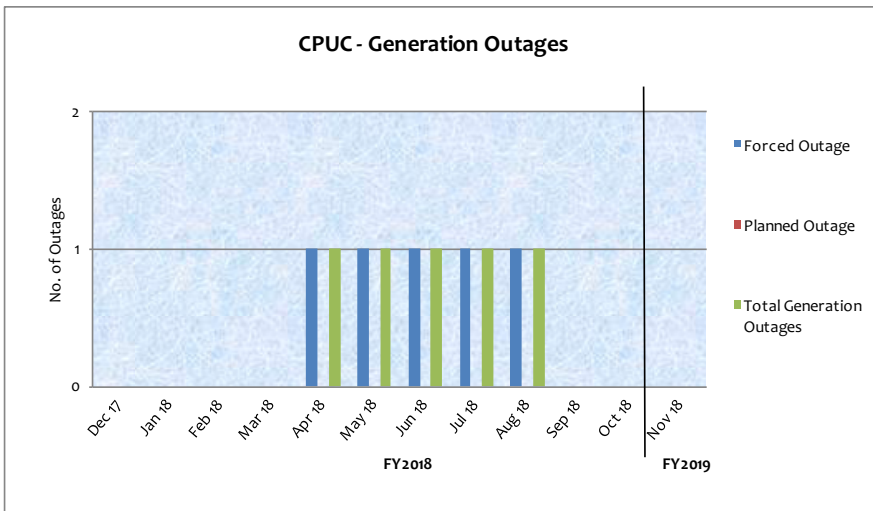


1.6 Key Points:

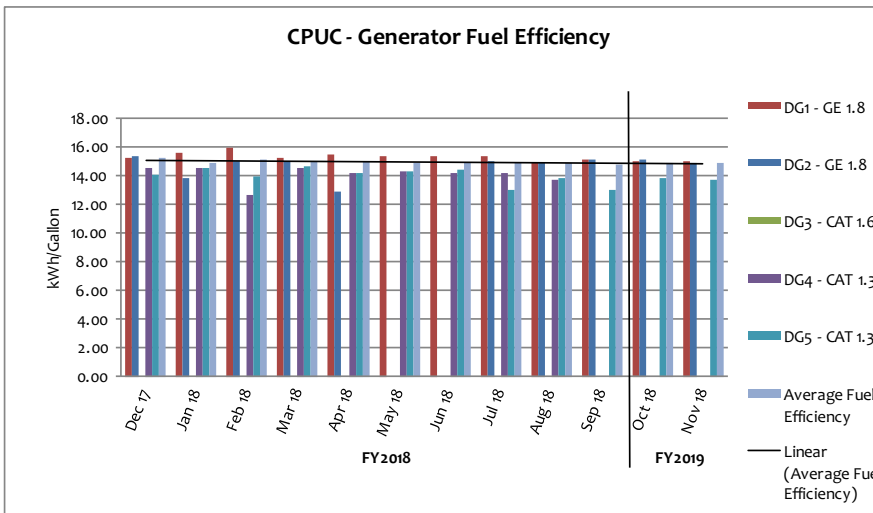
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

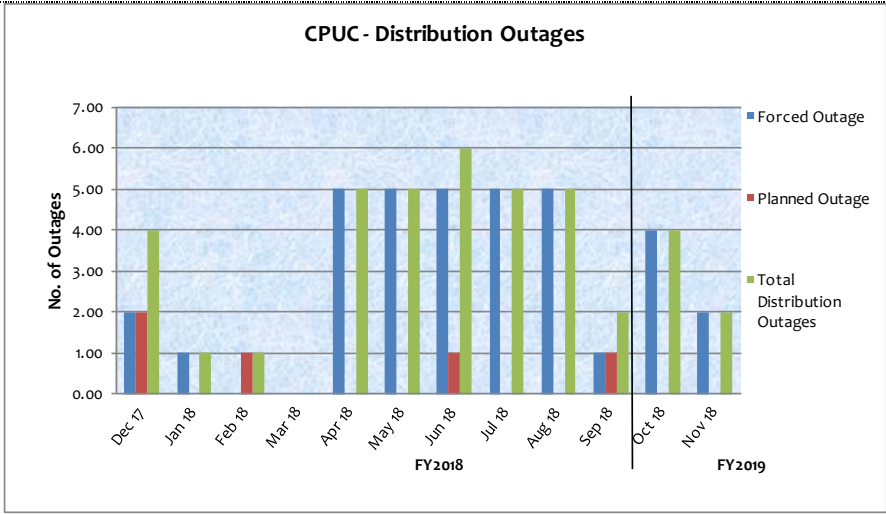


2.2 Key Points:

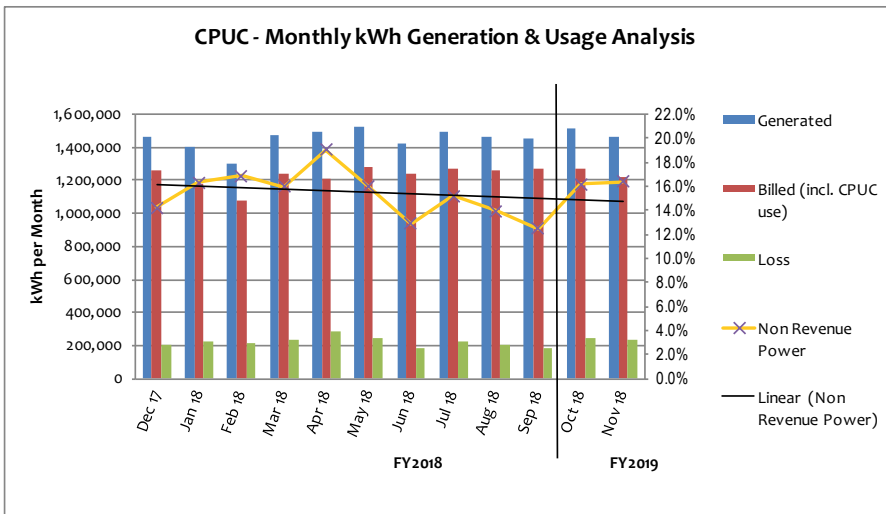


2.3 Key Points:

Avg fuel efficiency in FY2018 14.9 kWh/gall.

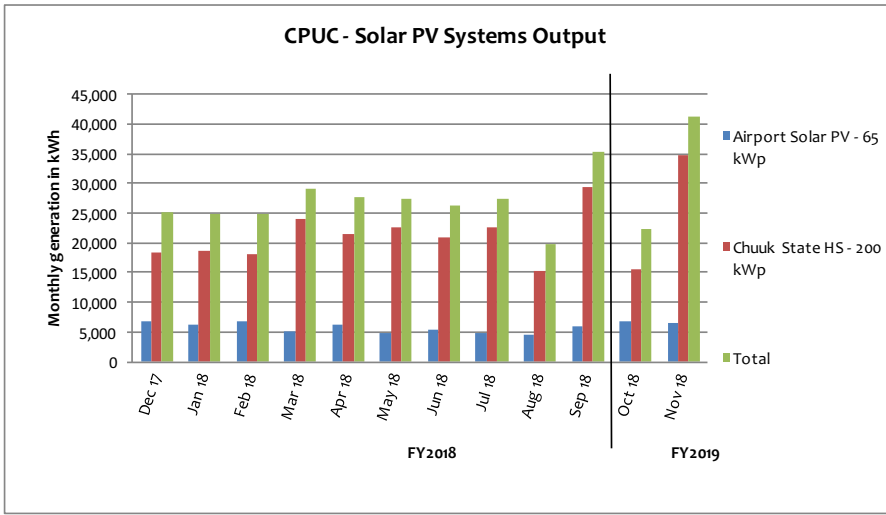


2.4 Key Points



2.5 Key Points:

Power loss for November 18 – 16.4%;



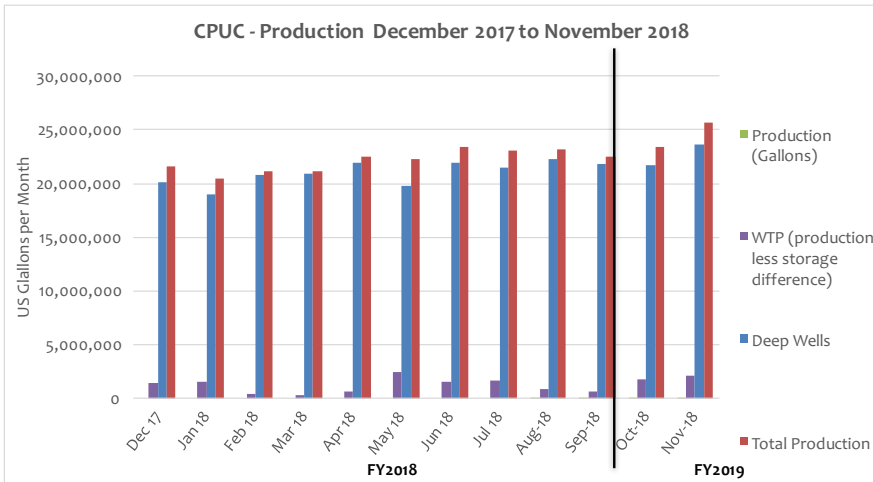
2.6 Key Points:

Solar PV accounted for 2.1% of CPUC generation YTD;

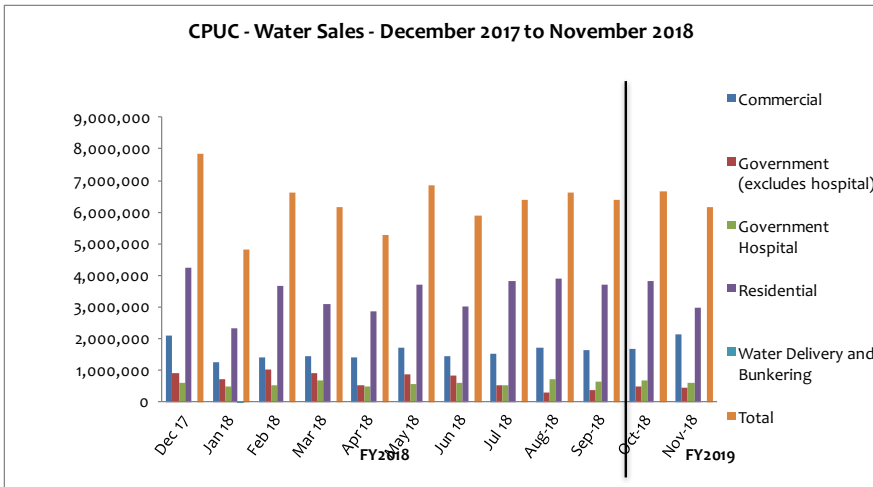
The avoided cost of fuel was: US\$15,507

Avoided Tons of CO2 was 43.2 Tons;

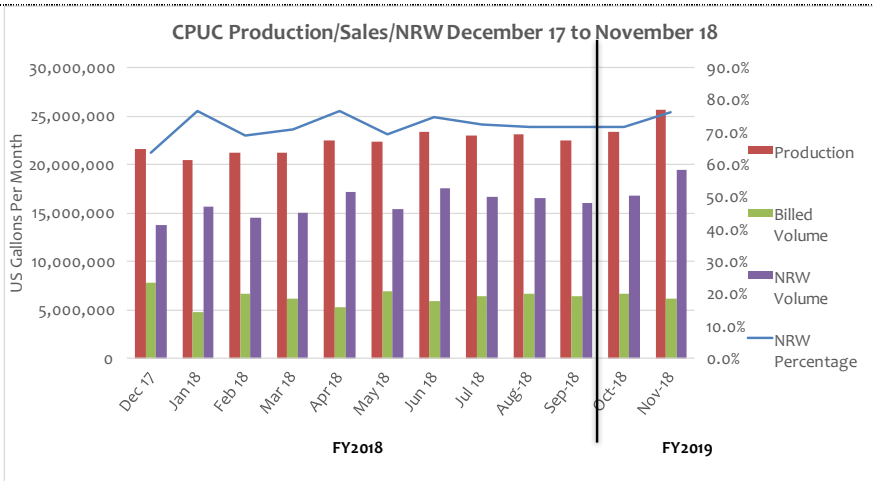
3 WATER PERFORMANCE GRAPHS



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



Key Points:



Key Points:

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

Revenue - US\$	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019
Operating revenue:														
a. Power Sales	582,033	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	651,371	7,058,632	1,317,292
b. Water Sales	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	23,247	273,716	47,743
c. Sewer Sales	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	13,274	145,333	25,478
d. Other operating revenue	9,286	9,585	5,421	4,121	9,731	7,207	5,599	14,697	19,052	8,980	12,939	8,920	108,961	21,859
Revenue - Total	633,926	592,325	554,192	632,658	614,163	664,672	646,302	675,089	676,887	700,789	715,559	696,813	7,586,642	1,412,372
Expenses - US\$														
Fuel & Lubricants	299,209	289,899	284,789	310,514	312,850	335,161	324,799	341,204	333,944	329,402	357,813	351,703	3,738,941	709,516
Salaries, Wages & Benefits	84,071	93,046	78,835	92,771	114,968	85,955	71,648	97,994	96,620	82,808	90,443	86,883	1,087,840	177,326
Contractual Services	7,553	7,871	8,108	10,581	10,907	7,900	10,121	8,250	7,494	8,596	10,274	8,120	105,293	18,394
O&M - Power Generation	18,162	19,023	10,207	17,195	20,243	22,514	20,235	11,026	21,919	11,968	2,592	2,796	205,681	5,388
O&M - Power Distribution	10,071	8,129	8,437	11,671	10,618	14,031	9,940	15,741	10,603	18,625	8,235	7,355	140,422	15,590
O&M - Water	2,946	4,267	5,762	3,112	3,723	4,079	3,515	12,388	6,097	8,152	2,591	4,668	59,845	7,258
O&M - Sewer	0	0	215	367	2,901	0	0	120	0	0	71	0	3,602	71
Finance & Administration Overheads	45,795	62,537	38,727	49,390	69,883	70,246	58,144	52,455	39,815	34,970	56,170	44,688	619,662	100,858
Vehicle & Eq. Fuel	11,655	17,854	13,402	15,892	16,338	11,216	10,511	24,804	17,424	13,600	12,698	8,928	180,871	21,626
CPUC Power Usage (incl. in O&M from Oct 15)	13,531	12,231	11,954	12,616	12,285	13,443	15,005	13,736	14,233	13,266	15,329	14,016	157,143	29,345
Training	3,000	0	608	0	0	0	653	0	5,340	0	0	0	9,601	0
Expense - Total	495,993	514,857	461,045	524,109	574,716	564,544	524,571	577,718	553,489	521,388	556,217	529,156	6,308,899	1,085,372
Operating Income/(Loss)	137,934	77,468	93,147	108,550	39,447	100,128	121,731	97,371	123,398	179,401	159,343	167,657	1,277,743	327,000
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	118,520	118,520	1,467,491	237,039
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	11,334
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	124,187	124,187	1,535,495	248,373
Income/(Loss) - excluding grant support - US\$	9,976	-50,490	-34,811	-19,408	-88,511	-27,830	-6,227	-30,587	-4,560	51,443	35,156	43,471	-257,752	78,627
Non-operating Income (Grant Support) - US\$	107	98	10	115,061	89	59	89	300,139	61	64	0	23	416,122	23
Income/(Loss) - including grant support - US\$	10,083	-50,392	-34,801	95,653	-88,422	-27,772	-6,138	269,552	-4,498	51,507	35,156	43,494	158,370	78,650

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019
Cash Flow Report - US\$														
Receipts	534,819	557,546	470,120	598,123	632,467	570,529	511,773	900,095	578,614	613,681	568,122	567,676	6,998,463	1,135,798
Disbursements	656,940	673,416	461,494	538,318	516,528	712,577	692,907	974,693	497,138	490,106	400,353	598,191	7,206,976	998,544
Net receipts/Disbursements	-122,121	-115,870	8,626	59,805	115,940	-142,048	-181,134	-74,598	81,476	123,575	167,769	-30,515	-208,513	137,254
Cash balance (beginning)	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	1,296,278	1,287,966	245,648
Cash balance (end)	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	1,265,763	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)	1,201,987	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	1,264,069	1,126,815	1,294,584
Stocks	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	1,304,315	1,150,298	1,174,400
Trade Receivable	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	604,738	557,173	540,583
Prepaid Lease	285,466	311,146	309,114	307,083	305,051	303,019	300,988	298,956	296,925	294,893	292,861	290,830	294,893	292,861
Collateral with Vital Inc.	526,146	538,061	549,060	560,517	573,349	586,180	598,096	610,469	622,843	634,300	647,590	649,881	634,300	647,590
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	798,719	786,939	806,922	788,759	893,772	842,597	850,353	748,381	829,741	828,618	937,409	977,121	828,618	937,409
Loans Payable	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	4,089,687	4,097,884	4,093,785
Total Accounts Receivable (to date) - US\$														0
Government Power	184,272	227,579	199,339	258,831	250,820	271,125	282,790	299,318	297,133	321,533	338,492	391,246	321,533	338,492
Commercial Power	128,073	81,640	80,662	76,819	70,408	34,489	59,523	40,873	12,240	35,477	-13,692	-10,461	35,477	-13,692
Residential Power	125,025	126,099	131,743	136,012	139,601	142,737	142,930	142,003	142,954	147,884	149,639	155,574	147,884	149,639
Water	171,831	165,595	158,783	156,843	147,447	145,723	130,542	103,493	97,643	89,343	91,005	79,986	89,343	91,005
Sewer	132,391	142,656	155,150	167,883	179,386	195,206	203,048	214,338	226,663	238,500	250,703	263,958	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	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	604,738	557,173	540,583

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

Power Sales Report	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	69,429	72,934	63,670	75,452	73,498	73,803	74,129	73,975	69,063	73,902	78,982	73,888	857,283	152,870
Government - Pre Paid (Cash Power)	42,359	49,664	31,072	46,772	30,113	54,471	43,422	45,305	44,399	38,838	46,381	34,127	504,164	80,508
Government Streetlights	2,510	2,594	2,343	2,594	2,510	2,594	2,510	2,594	2,594	2,546	3,083	2,940	30,496	6,024
Solar	3,442	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	46,311	7,997
Government Scratchcard	158	28	74	64	56	37	0	0	0	0	0	0	584	0
Government Total	117,899	129,218	101,158	128,881	110,175	134,903	124,059	125,872	120,054	119,284	132,444	114,954	1,438,838	247,398
Commercial - Post Paid	219,702	214,872	196,741	218,890	221,133	235,177	237,304	246,223	243,928	268,635	250,934	268,716	2,751,357	519,650
Commercial - Pre Paid (Cashpower)	78,182	74,905	72,373	88,704	80,849	89,572	83,873	87,521	83,362	92,268	94,573	92,193	992,414	186,766
Commercial - Scratchcard	1,345	873	697	799	1,096	1,168	0	0	0	0	0	0	8,095	0
Commercial Total	299,229	290,651	269,811	308,392	303,079	325,918	321,177	333,744	327,290	360,904	345,507	360,909	3,751,866	706,416
Residential - Post Paid	6,378	5,689	6,252	6,848	6,335	6,637	4,005	2,302	4,511	8,061	4,820	8,569	69,808	13,388
Residential - Pre Paid (Cashpower)	126,734	111,008	101,320	120,432	119,247	124,215	129,990	134,069	136,455	133,278	151,808	146,347	1,453,847	298,154
Residential Scratch Card Sales	9,786	9,245	8,558	10,075	10,336	11,216	10,945	12,240	12,368	11,758	13,863	13,495	124,156	27,358
Residential Total	142,899	125,941	116,129	137,355	135,917	142,068	144,940	148,611	153,334	153,097	170,490	168,410	1,647,811	338,900
Trade Power Sales Total	560,027	545,809	487,098	574,628	549,171	602,888	590,176	608,227	600,678	633,285	648,441	644,273	6,838,516	1,292,714
Intercompany - CPUC Office	1,231	1,052	1,236	1,353	1,346	1,584	968	1,246	1,258	1,262	1,461	1,294	14,914	2,755
Intercompany - CPUC Power Operation	2,200	2,274	3,662	3,548	4,223	3,313	4,221	5,856	4,138	1,155	3,060	2,733	38,604	5,793
Intercompany - CPUC Water Operations		5,274	5,341	5,630	5,284	6,191	5,947	6,017	6,247	6,082	5,910	6,332	62,774	12,241
Intercompany - CPUC Sewer Operations	7,730	6,957	6,613	6,986	7,002	7,252	9,058	7,719	7,986	7,184	9,420	7,684	88,568	17,104
Cash Power UnEarned	5,044	-6,594	8,145	645	6,506	-5,327	-3,361	-2,319	679	7,172	-2,371	-10,945	9,455	-13,316
Total Power Sales - US\$	576,232	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	651,371	7,052,831	1,317,292
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	124,393	131,990	112,194	133,344	133,282	128,938	130,010	124,632	114,393	123,341	128,300	122,835	1,531,838	251,135
Government - Pre Paid (Cash Power)	84,787	98,305	60,593	90,820	58,860	105,216	81,990	84,888	82,174	69,891	82,440	58,207	975,797	140,648
Government - Street Lights	10,377	10,377	9,372	10,377	10,042	10,377	10,042	10,377	10,377	10,377	10,377	10,377	122,514	20,754
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	315	55	144	126	109	72	0	0	0	0	0	0	1,160	0
Government Total	219,871	240,726	182,303	234,667	202,293	244,603	222,042	219,897	206,944	203,609	221,117	191,419	2,631,309	412,536
Commercial - Post Paid	474,338	455,268	411,038	454,280	460,260	485,944	478,382	492,190	502,928	513,220	470,232	494,277	5,684,451	964,509
Commercial - Pre Paid (Cashpower)	163,016	154,379	146,860	179,199	164,461	179,972	164,585	170,374	160,220	172,239	174,360	162,798	1,995,954	337,159
Commercial Scratchcard	2,810	1,801	1,408	1,613	2,230	2,339	0	0	0	0	0	0	16,680	0
Commercial Total	640,164	611,449	559,306	635,092	626,952	668,256	642,968	662,564	663,148	685,459	644,592	657,075	7,697,085	1,301,667
Residential - Post Paid	14,308	12,414	13,499	14,757	13,722	14,119	8,460	4,693	9,168	15,876	9,408	16,193	149,898	25,601
Residential - Pre Paid (Cashpower)	281,944	243,919	218,975	259,049	258,389	265,644	270,981	277,232	278,365	263,604	296,326	272,933	3,109,297	569,259
Residential Scratch Card Sales	21,767	20,312	18,457	21,602	22,371	23,971	22,757	25,147	25,233	23,185	24,966	31,292	264,699	56,258
Residential Total	318,019	276,645	250,931	295,408	294,483	303,734	302,199	307,072	312,766	302,665	330,700	320,418	3,523,893	651,118
Trade Power Sales Total	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	1,168,912	13,852,288	2,365,321
Intercompany - CPUC Office	4,883	4,174	4,905	5,371	5,341	6,287	3,840	4,944	4,992	4,582	5,797	5,135	58,756	10,932
Intercompany - CPUC Power Operation	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	10,845	153,619	22,987
Intercompany - CPUC Water Operations	23,019	20,929	21,194	22,342	20,967	24,568	23,600	23,876	24,789	24,134	23,451	25,126	272,124	48,577
Intercompany - CPUC Sewer Operations	30,674	27,608	26,243	27,721	27,784	28,777	35,943	30,632	31,690	28,507	37,380	30,492	351,460	67,872
Cash Power Unearned (accrual)	11,781	-12,394	18,562	1,783	12,607	-9,657	-6,799	-581	2,115	16,509	-1,558	-17,254	35,099	-18,812
Total Power Sales - kWh	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	1,223,256	14,723,346	2,496,878

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

Water/Sewer Sales Report	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,929	4,524	5,175	6,509	4,473	6,285	6,073	4,539	5,030	4,970	5,708	4,836	64,292	10,543
Commercial	12,666	6,453	9,615	8,427	7,950	9,549	7,748	9,437	9,911	10,118	9,379	10,650	107,226	20,030
Residential	10,720	6,703	9,391	8,077	7,195	9,756	8,102	8,380	9,542	8,745	9,409	7,761	105,891	17,170
Provision for Billing Errors	-864	-515	0	0	0	0	0	0	0	0	0	0	-3,693	0
Total	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	23,247	273,716	47,743
Sewer Sales - US\$														
Government	2,792	2,155	2,455	3,112	2,159	2,976	2,937	2,057	2,405	2,380	2,739	2,295	30,340	5,034
Commercial	4,966	2,959	4,407	3,731	3,283	6,978	2,994	3,103	3,442	3,051	6,753	8,223	45,250	14,977
Commercial with No Water	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,705	3,705	0	0	44,261	0
Residential	839	373	590	533	465	643	494	725	733	620	2,712	2,756	7,167	5,468
Residential with No Water	1,920	1,650	1,640	1,672	1,690	1,690	1,660	1,720	2,080	2,080	0	0	21,372	0
Provision for Billing Errors	-45	-20	-284	0	0	0	0	0	0	0	0	0	-3,057	0
Sewer Sales	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	13,274	145,333	25,478
Total Water & Sewer Sales	42,608	27,968	36,676	35,747	30,900	41,563	33,693	33,645	36,849	35,669	36,700	36,522	419,049	73,222
Water Sales - Gallons														
Government	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	989,349	13,253,730	2,152,827
Commercial	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	2,220,194	22,148,259	4,179,868
Residential	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	3,227,530	39,930,226	6,761,240
Water Delivery & Bunkering	0	25,000	0	0	0	0	0	0	0	0	0	0	49,325	0
Total	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	6,437,073	75,381,540	13,093,935

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019
1a. Non Revenue Power	14.2%	16.3%	16.9%	16.0%	19.1%	16.0%	12.9%	15.2%	13.9%	12.5%	16.2%	16.4%	15.6%	16.3%
Total Power Generated - kWh	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	1,462,844	17,441,330	2,982,114
Total Power Billed - kWh	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	1,223,256	14,723,346	2,496,878
Generation Loss (actual from Jun 17)	13,575	13,196	19,438	19,451	22,097	19,348	20,589	28,184	21,414	9,591	17,939	15,980	212,248	33,919
Distribution Loss Derived - kWh	158,343	180,899	167,208	178,969	224,987	186,037	127,084	161,788	146,062	134,856	189,728	187,037	2,069,703	376,765
Commercial Loss (assumed 2.5%) - kWh	36,643	35,186	32,426	36,792	37,289	38,080	35,595	37,477	36,675	36,280	37,982	36,571	436,033	74,553
Total Loss - kWh	208,561	229,281	219,072	235,212	284,372	243,465	183,268	227,449	204,152	180,727	245,648	239,588	2,717,984	485,236
Distribution loss %	10.8%	12.9%	12.9%	12.2%	15.1%	12.2%	8.9%	10.8%	10.0%	9.3%	12.5%	12.8%	11.9%	12.6%
1b. Non Revenue Water	63.5%	76.5%	68.2%	70.5%	76.4%	69.0%	75.3%	72.2%	71.3%	71.7%	71.5%	74.9%	71.4%	73.3%
Water Produced (million gallons)	21.45	20.45	20.81	20.83	22.34	22.13	23.82	22.98	23.08	22.44	23.32	25.65	263.4	49
Water Billed (million gallons)	7.83	4.80	6.61	6.14	5.28	6.86	5.90	6.38	6.62	6.35	6.66	6.44	75	13
2. Current ratio	3.97	4.00	3.96	4.22	3.78	3.94	3.86	4.35	4.06	4.19	3.90	3.91	4.06	3.90
	3.72	3.77	3.74	3.95	3.59	3.69	3.63	4.12	3.86	3.98	3.69	3.70	3.84	3.69
	12.95	11.53	10.55	12.88	9.42	10.49	9.70	8.44	7.57	7.37	8.69	7.89	8.46	8.69
	4.78	4.87	5.30	6.51	4.95	6.75	6.40	8.11	6.82	8.15	7.90	9.40	7.46	7.90
3. ROA (excludes other operating income/grant support)	0.04%	-0.22%	-0.15%	-0.09%	-0.39%	-0.12%	-0.03%	-0.13%	-0.02%	0.22%	0.15%	0.19%	-0.01	0.00
Power Business	0.38%	0.17%	0.15%	0.27%	-0.03%	0.21%	0.33%	0.27%	0.36%	0.64%	0.52%	0.52%	0.03	0.01
Water Business	-3.33%	-5.84%	-3.90%	-4.51%	-5.29%	-2.10%	-1.96%	-2.59%	-2.08%	-1.95%	-1.18%	-1.10%	-0.25	-0.01
Sewer Business	-0.90%	-1.07%	-0.89%	-0.98%	-1.22%	-0.99%	-1.03%	-1.14%	-1.07%	-0.96%	-1.01%	-0.86%	-0.13	-0.01
4. Operating ratio	0.78	0.87	0.83	0.83	0.94	0.85	0.81	0.86	0.82	0.74	0.78	0.77	0.83	0.78
Power Business	0.73	0.78	0.77	0.77	0.85	0.79	0.75	0.78	0.75	0.69	0.73	0.72	0.76	0.73
Water Business	1.09	1.90	1.26	1.41	1.57	1.38	1.40	1.66	1.44	1.38	1.11	1.34	1.46	1.11
Sewer Business	2.27	3.29	2.38	2.66	3.78	2.21	2.75	3.22	2.79	2.45	2.66	2.09	2.81	2.66
5. Days in Accounts Receivable	23.13	24.90	22.97	25.69	25.42	24.22	25.44	24.62	22.85	24.16	23.08	26.37	22.45	23.08
Power Business	14.64	15.31	13.96	16.13	15.67	14.69	15.91	15.64	14.57	15.96	14.63	16.97	13.85	14.63
Water Business	117.65	188.22	126.26	138.17	151.48	114.90	118.52	91.04	77.19	75.25	73.82	70.91	77.10	73.82
Sewer Business	182.19	257.67	238.76	267.30	320.45	246.58	343.35	373.40	354.78	404.47	408.19	409.81	337.09	408.19

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	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	1,421,593	17,122,425	2,918,523
Peak Generation - kW	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,943	2,941	5,849
Fuel Consumption - Gallons	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	95,533	1,143,186	196,156
Average Fuel Price (\$/Gallon)	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.63	3.33	7.25
Load Factor (%)	74%	73%	66%	73%	68%	71%	67%	71%	69%	68%	69%	66%	67%	69%
Capacity Factor (%)	47%	46%	46%	48%	52%	51%	50%	49%	50%	51%	52%	53%	40%	79%
Availability Factor (%)	100%	100%	100%	100%	200%	300%	400%	500%	600%	700%	800%	900%	100%	100%
Reserve Plant Margin (%)	195%	205%	202%	191%	169%	173%	176%	182%	178%	174%	168%	165%	165%	168%
Solar PV Generation														
Solar PV Generation - kWh	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	41,251	318,905	63,591
Solar Generation %	1.7%	1.8%	1.9%	2.0%	1.9%	1.8%	1.8%	1.8%	1.4%	2.4%	1.5%	2.8%	1.8%	2.1%
Peak PV Generation - kW	197	195	195	228	217	213	204	213	155	276	175	322	153	1,824
Avoided Fuel - Gallons	1,654	1,671	1,643	1,943	1,853	1,830	1,758	1,832	1,332	2,376	1,502	2,772	21,293	4,274
Avoided Cost of Fuel - US\$	5,211	5,374	5,489	6,413	6,096	6,224	6,205	6,466	4,662	8,373	5,439	10,068	70,922	15,507
Tons of CO2 avoided	16.7	16.9	16.6	19.6	18.7	18.5	17.8	18.5	13.5	24.0	15.2	28.0	215.1	43.2
Labour Productivity (kWh/Emp/d)														
Labour Productivity (kWh/Emp/d)	1,608	1,543	1,420	1,610	1,634	1,670	1,560	1,643	1,615	1,580	1,671	1,587	1,466	1,495
SFOC (kWh/gal)														
SFOC (kWh/gal)	15.28	14.95	15.16	15.03	15.00	14.90	14.89	14.90	14.87	14.86	14.88	14.88	14.98	14.88
DG1 - GE 1.8	15.33	15.60	16.03	15.28	15.56	15.42	15.39	15.38	14.87	15.11	15.00	15.00	15.36	15.00
DG2 - GE 1.8	15.44	13.91	15.02	15.04	12.96	0.00	0.00	15.09	14.96	15.20	15.15	14.98	15.01	15.06
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	14.61	14.58	12.69	14.58	14.27	14.32	14.23	14.26	13.70	0.00	0.00	0.00	14.24	0.00
DG5 - CAT 1.3	14.04	14.53	14.01	14.73	14.26	14.35	14.42	13.09	13.90	13.02	13.83	13.72	14.09	13.79
SLOC (kWh/gal)														
SLOC (kWh/gal)	3,373	7,900	3,270	5,657	7,071	3,649	6,353	3,803	2,548	2,216	5,780	1,932	3,747	2,933
DG1 - GE 1.8	7,339	7,981	2,301	5,535	8,436	3,340	6,954	4,471	1,326	2,856	4,249	1,461	3,655	2,246
DG2 - GE 1.8	1,941	3,494	1,624	0	0	0	0	0	0	0	0	0	3,211	3,022
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 (%)	24.9%	24.1%	24.3%	25.2%	27.3%	26.9%	26.6%	26.0%	26.4%	26.8%	27.4%	27.7%	27.7%	27.4%
Distribution Losses (%)	5.7%	7.8%	8.4%	7.5%	10.6%	7.5%	4.4%	6.7%	5.4%	4.0%	7.7%	7.9%	85.0%	15.5%
SAIDI (hours/consumer)	1.10	0.20	0.18	0.00	0.01	0.05	0.10	0.04	0.01	0.22	0.07	0.09	2.94	0.16
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	0.004
Average Cost (\$/kWh)	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.22	0.24

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	689,840	750,222	814,476	885,536	868,903	801,572	764,918	769,020	613,939	456,999	599,140	526,088	8,772,077	1,125,228
DG2 - GE 1.8	617,206	283,005	56,835	9,924	5,797	0	0	447,921	776,739	781,727	706,479	786,323	4,466,850	1,492,802
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	663	0	3,050	0	663	3,050
DG4 - CAT 1.3	77,797	109,864	97,070	333,831	392,170	226,753	294,660	64,518	483	0	0	0	1,632,075	0
DG5 - CAT 1.3	55,592	239,356	303,752	213,185	196,890	467,581	338,059	190,332	55,380	177,172	188,261	109,182	2,250,760	297,443
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	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	1,421,593	17,122,425	2,918,523
Airport Solar Panel	6,858	6,249	6,857	5,060	6,227	4,803	5,322	4,761	4,605	5,975	6,816	6,629	69,699	13,445
High School Solar Grid Connect	18,411	18,745	18,059	24,139	21,568	22,472	20,850	22,540	15,209	29,328	15,524	34,622	249,206	50,146
Solar PV Generation Total (kWh)	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	41,251	318,905	63,591
Total Generation (kWh)	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	1,462,844	17,441,330	2,982,114
Maximum Demand (kW)	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,943	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)	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	0	153,619	12,142
Running Hours														
DG1 - GE 1.8	624	599	638	689	681	665	639	711	611	482	545	499	7,588	1,044
DG2 - GE 1.8	574	256	50	10	7	0	0	432	711	705	622	705	4,073	1,327
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	2	0	7	0	2	7
DG4 - CAT 1.3	115	127	180	353	459	278	385	115	3	0	0	0	2,064	0
DG5 - CAT 1.3	87	316	395	256	237	553	437	269	87	302	253	182	2,960	435
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,400	1,298	1,263	1,308	1,384	1,496	1,461	1,527	1,414	1,489	1,427	1,386	16,687	2,813

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	45,002	48,096	50,796	57,966	55,846	51,967	49,717	50,005	41,289	30,252	39,939	35,076	571,208	75,015
DG2 - GE 1.8	39,979	20,343	3,785	660	447	0	0	29,682	51,936	51,437	46,617	52,498	297,646	99,115
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	51	0	450	0	51	450
DG4 - CAT 1.3	5,325	7,537	7,649	22,899	27,483	15,839	20,709	4,525	35	0	0	0	114,582	0
DG5 - CAT 1.3	3,958	16,475	21,674	14,474	13,805	32,588	23,437	14,542	3,985	13,604	13,616	7,960	159,700	21,576
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	95,533	1,143,186	196,156
Average Fuel Price (\$/Gallon)	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.63	3.33	3.63
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	94	94	89	160	103	0	110	172	198	0	0	265	1,258	265
DG2 - GE 1.8	81	81	35	0	0	0	0	25	105	265	0	265	823	265
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	15	0	0	0	0	0	10	0	0	0	0	0	25	0
DG5 - CAT 1.3	0	0	0	0	9	0	5	0	0	95	0	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)	190	175	124	160	112	0	125	197	303	360	0	530	2,215	530
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	0	0	265	0	0	240	0	0	265	160	141	95	1,142	236
DG2 - GE 1.8	237	0	0	0	0	0	0	0	0	119	118	111	568	229
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	95	0	95	0	0	0	0	190	0
DG5 - CAT 1.3	0	0	0	95	95	75	95	95	0	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)	237	0	265	95	95	410	95	190	265	279	259	206	2,355	465

Power Table 4 Distribution Feeder Statistics December 2017 to November 2018

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	2018 YTD	2019 YTD
Feeder 1 Load	379,445	373,740	337,024	390,261	392,615	408,635	388,111	397,981	388,731	387,602	393,189	393,693	4,606,622	786,882
Feeder 2 Load	126,251	123,941	111,784	126,393	127,629	124,573	112,270	117,490	115,156	122,494	128,796	123,570	1,455,155	252,366
Feeder 3 Load	440,356	414,923	383,908	429,225	412,167	418,084	412,284	439,104	430,116	422,751	454,583	435,762	5,114,975	890,345
Feeder 4 Load	399,296	376,959	349,067	390,147	378,916	386,126	341,765	357,225	348,312	345,868	363,327	332,911	4,464,146	696,238
Feeder 5 Load	106,781	104,682	95,828	116,198	158,131	166,415	148,790	159,108	163,289	162,895	161,436	160,928	1,588,184	322,364
Total Feeder Load (kWh)	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	1,446,864	17,229,082	2,948,195
													0	0
Feeder 1 Sales	342,476	333,252	284,561	348,192	319,342	352,439	335,551	342,521	327,785	320,046	346,801	316,668	3,961,355	663,470
Feeder 2 Sales	110,603	99,911	83,640	107,841	92,865	103,815	89,614	88,833	97,025	103,912	95,219	103,615	1,170,347	198,834
Feeder 3 Sales	388,891	359,044	337,654	363,674	339,801	358,328	368,224	358,796	347,271	381,846	371,324	362,552	4,399,688	733,876
Feeder 4 Sales	335,496	302,898	280,154	313,757	305,017	309,036	306,649	325,758	336,350	316,697	322,152	300,896	3,766,831	623,048
Feeder 5 Sales	85,398	74,360	73,870	82,994	130,183	137,661	124,197	127,795	135,897	142,532	129,824	138,109	1,260,670	267,933
Total Feeder Sales (kWh)	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	1,221,840	14,558,891	2,487,161
Feeder 1 Loss - kWh	36,969	40,488	52,463	42,069	73,273	56,196	52,560	55,460	60,946	67,556	46,388	77,025	645,267	123,412
Feeder 2 Loss - kWh	15,648	24,030	28,144	18,552	34,764	20,758	22,656	28,657	18,131	18,582	33,577	19,955	284,808	53,532
Feeder 3 Loss - kWh	51,465	55,879	46,254	65,551	72,366	59,756	44,060	80,308	82,845	40,905	83,259	73,210	715,287	156,469
Feeder 4 Loss - kWh	63,799	74,061	68,913	76,390	73,899	77,090	35,116	31,467	11,962	29,171	41,174	32,015	697,315	73,190
Feeder 5 Loss - kWh	21,383	30,322	21,958	33,204	27,948	28,754	24,593	31,313	27,392	20,363	31,612	22,819	327,514	54,431
Total Feeder Loss - kWh	189,264	224,779	217,731	235,766	282,250	242,553	178,984	227,205	201,276	176,577	236,010	225,024	2,670,191	461,034
Feeder 1 Loss - %	9.7%	10.8%	15.6%	10.8%	18.7%	13.8%	13.5%	13.9%	15.7%	17.4%	11.8%	19.6%	14.0%	15.7%
Feeder 2 Loss - %	12.4%	19.4%	25.2%	14.7%	27.2%	16.7%	20.2%	24.4%	15.7%	15.2%	26.1%	16.1%	19.6%	21.2%
Feeder 3 Loss - %	11.7%	13.5%	12.0%	15.3%	17.6%	14.3%	10.7%	18.3%	19.3%	9.7%	18.3%	16.8%	14.0%	17.6%
Feeder 4 Loss - %	16.0%	19.6%	19.7%	19.6%	19.5%	20.0%	10.3%	8.8%	3.4%	8.4%	11.3%	9.6%	15.6%	10.5%
Feeder 5 Loss - %	20.0%	29.0%	22.9%	28.6%	17.7%	17.3%	16.5%	19.7%	16.8%	12.5%	19.6%	14.2%	20.6%	16.9%
Total Feeder Loss - %	13.0%	16.1%	17.0%	16.2%	19.2%	16.1%	12.8%	15.4%	13.9%	12.2%	15.7%	15.6%	15.5%	15.6%

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

Feeder	Power Usage - kWh/Connection		
	Residential	Commercial	Government
F01	296	1,713	5,233
F02	222	2,989	1,231
F03	241	3,762	276
F04	206	3,162	3,924
F05	166	3,641	0
Total	226	3,053	2,133

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

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

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

	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	FY2018	FY2019 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	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	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0
Forced - Distribution	28.4	5.5	0.0	0.0	0.3	1.4	0.5	1.0	0.3	1.1	2.0	2.5	40.3	4.5
Feeder 1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.5	0.0
Feeder 2	0.0	5.5	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	7.9	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.2	0.1	0.0	0.0	0.0	1.0	0.0
Feeder 4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	1.1	0.1	0.3	1.6	0.4
Feeder 5	28.4	0.0	0.0	0.0	0.1	0.5	0.1	0.2	0.1	0.0	1.9	2.2	29.3	4.1
Planned - Distribution	1.6	0.0	5.0	0.0	0.0	0.0	2.3	0.0	0.0	5.0	0.0	0.0	39.8	0.0
Feeder 1	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0
Feeder 2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	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	1.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	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)	30.0	5.5	5.0	0.0	0.3	1.4	2.8	1.0	0.3	6.1	2.0	2.5	80.1	4.5

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

COMPANY WIDE DATA	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	FY2019
Water Production (Millions)													
WTP Production	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	2,053,700	3,781,200
Pink Apartment Volume start of Month	706,800	798,000	763,800	763,800	530,000	425,000	558,600	404,700	450,300	518,700	518,700	581,400	1,100,100
Pink Apartment Volume end of Month	798,000	763,800	1,105,400	1,105,400	425,000	558,600	404,700	450,300	518,700	518,700	581,400	582,000	1,163,400
Pink Apartment Vol in to Supply/(Storage)	-91,200	34,200	-341,600	-341,600	105,000	-133,600	153,900	-45,600	-68,400	0	-62,700	-600	-63,300
Tankered volume for billing	7,000	8,000	8,000	8,000	0	26,500	26,500	12,000	12,000	12,000	0	0	0
Well Production (into supply)	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	23,599,000	45,255,400
Volume into network	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	25,652,100	48,973,300
Water Volume Bill (Millions)													
Commercial	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	2,141,584	3,809,349
Government (excludes hospital)	921,630	705,700	1,017,940	906,780	529,200	884,820	829,540	526,220	293,630	385,370	471,488	431,839	903,327
Government Hospital	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	598,200	1,277,700
Residential	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	2,986,070	6,824,180
Water Delivery and Bunkering	0	25,000	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	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	6,157,693	12,814,556
NRW													
Volume	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	19,494,407	36,158,744
Percentage	63.5%	76.5%	68.2%	70.5%	76.6%	69.0%	74.9%	72.2%	71.4%	71.5%	71.5%	76.0%	73.8%
Invoiced Water Value (\$USD)													
Water Delivery and Bunkering													0
Commercial	\$12,902	\$6,556	\$9,812	\$8,474	\$8,010	\$9,550	\$7,748	\$9,578	\$9,958	\$10,159	\$9,438	\$10,685	20,123
Government (includes hospital)	\$5,929	\$4,524	\$5,175	\$6,509	\$4,473	\$6,285	\$6,073	\$4,539	\$4,419	\$4,452	\$5,708	\$4,836	10,543
Residential	\$10,720	\$6,703	\$9,391	\$8,077	\$7,195	\$9,756	\$8,294	\$9,281	\$9,538	\$8,745	\$9,409	\$8,480	17,888
Total	\$29,550	\$17,784	\$24,378	\$23,060	\$19,678	\$25,591	\$22,115	\$23,398	\$23,915	\$23,356	\$24,554	\$24,000	\$48,554
Sewer Charge (\$USD)													
Commercial	\$4,965	\$2,959	\$4,408	\$3,731	\$3,283	\$3,293	\$2,994	\$3,204	\$3,442	\$3,342	\$3,068	\$4,538	7,606
Commercial - w/o water	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,705	\$3,705	\$3,685	\$3,685	7,370
Government	\$2,792	\$2,155	\$2,455	\$3,112	\$2,159	\$2,976	\$2,937	\$2,057	\$2,405	\$2,380	\$2,739	\$2,295	5,034
Residential	\$819	\$373	\$590	\$579	\$465	\$643	\$588	\$740	\$733	\$630	\$642	\$693	1,335
Residential w/o water	\$1,920	\$1,650	\$1,640	\$1,675	\$1,690	\$1,690	\$1,660	\$1,720	\$2,089	\$2,076	\$2,070	\$2,060	4,130
Total	\$14,181	\$10,822	\$12,779	\$12,782	\$11,282	\$12,287	\$11,864	\$11,405	\$12,375	\$12,133	\$12,204	\$13,271	\$25,475

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

COMPANY WIDE DATA	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	FY2019
Water Connection Data (No. of Connections)									470	473	481	481	481
Commercial - Billed	78	79	83	83	82	82	82	79	78	79	76	77	77
Commercial - Disconnected	2	2	0	0	1	1	1	4	5	5	8	8	8
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	26,683	15,923	16,889	17,466	17,227	20,868	17,789	19,099	21,831	20,909	21,944	27,813	49,472
Government - Billed	17	17	18	18	17	16	15	14	16	15	18	18	18
Government - Disconnected	6	6	5	5	6	7	7	7	8	8	7	7	7
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	54,214	41,512	56,552	50,377	31,129	55,301	55,303	37,587	18,352	25,691	26,194	23,991	50,185
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	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	598,200	1,277,700
Residential - Billed	374	376	382	390	392	395	394	367	375	378	386	385	385
Residential - Disconnected	102	102	98	92	91	91	92	99	96	96	104	104	104
Residential - Meter Pulled	93	93	93	93	93	93	93	93	93	93	93	93	93
Residential Avge Consumption - Gall/conn/mth	11,320	6,164	9,646	7,968	7,257	9,396	7,659	10,450	10,396	9,780	9,943	7,756	17,725
Sewer Connection Data (No. of Connections)	477	440	459	459	460	459	452	476	505	490	505	508	508
Commercial Billed	41	39	45	45	44	43	41	45	43	40	42	47	47
Commercial Billed w/o water	53	53	53	53	53	53	54	54	54	54	54	54	54
Government Billed	16	16	17	17	16	15	15	13	15	14	17	16	16
Residential Billed	175	172	180	180	178	179	180	189	190	181	193	189	189
Residential Billed w/o water	192	160	164	164	169	169	162	175	203	201	199	202	202
STP Inflow (MG/month)	24.2	14.3	24.0	17.8	18.7	18.1	24.9	16.3	13.0	22.1	24.8	14.4	39
SEWER OVERFLOW W/O's													
North Zone	1	1	1	3	0	2	3	4	2	1	1	2	3
South Zone	0	3	1	0	6	3	1	1	1	1	1	1	2

Water Table 3 Zonal Water Use Statistics - FY2019

ZONAL NRW - November 2018					ZONAL NRW - FY2018 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	1,026,100	38,970	987,130	96%	1	2,025,200	140,730	1,884,470	93%
2	20,068,500	4,557,564	15,510,936	77%	2	38,423,900	9,090,639	29,333,261	76%
3	847,700	16,290	831,410	98%	3	1,689,600	43,710	1,645,890	97%
4	1,012,900	114,140	898,760	89%	4	1,950,800	340,910	1,609,890	83%
5	20,000	0	20,000	100%	5	40,000	0	40,000	100%
6	2,367,700	1,185,720	1,181,980	50%	6	4,187,500	2,437,580	1,749,920	42%
7	4,000	69,170	-65,170	-1629%	7	8,000	307,400	-299,400	-3743%
8	305,200	175,839	129,361	42%	8	648,300	453,587	194,713	30%
Total	25,652,100	6,157,693	19,494,407	76.0%	Total	48,973,300	12,814,556	36,158,744	73.8%
ZONAL WATER CONSUMPTION - November 2018					ZONAL WATER CONSUMPTION - FY2018 YTD				
Zone	Average Use - Gallons/Connection/Month				Zone	Average Use - Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	800	0	-	2,726	1	1,050	0	-	9,977
2	29,864	24,817	-	7,101	2	52,986	49,813	-	15,676
3	0	0	-	2,327	3	0	0	-	6,244
4	0	0	-	11,414	4	0	0	-	34,091
5	0	0	-	#DIV/o!	5	0	0	-	#DIV/o!
6	8,122	0	598,200	481	6	15,812	0	1,277,700	31,324
7	0	0	-	0	7	0	0	-	51,233
8	0	27,305	-	5,421	8	0	63,939	-	16,121
Total	20,909	25,691	650,600	9,780	Total	49,472	50,185	1,277,700	17,725

Work Order Summary – End November 2018

Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	3	12	12	3	11	4
INTERNAL POWER	0	2	2	0	2	0
INTERNAL SEWER	1	0	2	0	1	0
INTERNAL WATER	4	0	0	0	0	4
POWER	110	91	93	2	76	125
REVENUE	118	80	93	10	99	99
SEWER	4	13	16	1	15	2
WATER	33	94	99	0	93	34
TOTAL ALL WORK ORDERS	273	292	317	16	297	268
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding	WO Outstanding At End		
INTERNAL MAINTENANCE	1.1%	4.1%	73.3%	1.5%		
INTERNAL POWER	0.0%	0.7%	-	0.0%		
INTERNAL SEWER	0.4%	0.0%	-	0.0%		
INTERNAL WATER	1.5%	0.0%	0.0%	1.5%		
POWER	40.3%	31.2%	37.8%	46.6%		
REVENUE	43.2%	27.4%	50.0%	36.9%		
SEWER	1.5%	4.5%	88.2%	0.7%		
WATER	12.1%	32.2%	73.2%	12.7%		
TOTAL ALL WORK ORDERS			52.6%			

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



HEALTH & SAFETY REPORT: FY2018 - November 2018

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	November 2018						YEAR TO DATE - FY2019					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	10	1,637	0	0	0	0	0	3,331	0	0	0	0	0
Maintenance	6	754	0	0	0	0	0	1,498	0	0	0	0	0
Power Distribution - Line	16	2,475	0	0	0	0	0	4,779	0	0	0	0	0
Power Distribution - Contractors	11	2,875	0	0	0	0	0	5,790	0	0	0	0	0
Water & Sewer	12	1,587	0	0	0	0	0	3,179	0	0	0	0	0
Water & Sewer Contractors	11	1,983	0	0	0	0	0	3,942	0	0	0	0	0
Fin, Admin, Cust Care	20	2,364	0	0	0	0	0	5,010	0	0	0	0	0
TOTAL	86	13,675	0	0	0	0	0	27,528	0	0	0	0	0

FA - Number of First Aid cases Total Hours Without Incident - Whole Company 693,267

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	November 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	73	0	73
Maintenance	6	33	0	33
Power Distribution - Line	16	56	0	56
Power Distribution - Customer	11	0	0	0
WSS _ Treatment/Prod	12	37	0	37
WSS Networks	11	41	0	41
Finance, Admin Cust Coord	20	160	0	160
TOTAL	86	400	0	400

Year To Date FY2019		
Total Hours Sick	Accident Related	Poor Health
120	0	120
498	0	63
1,825	0	110
0	0	0
889	0	134
41	0	41
2,424	0	289
5797	0	757

Sick Hours as Percentage of Total Hours Worked	2.9%	0.0%	2.9%
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21.1%	0.0%	2.8%
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DEPARTMENT	Number of Staff	November 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	4.5%	0.0%	4.5%
Maintenance	6	4.3%	0.0%	4.3%
Power Distribution - Line	16	2.3%	0.0%	2.3%
Power Distribution - Customer	11	0.0%	0.0%	0.0%
WSS _ Treatment/Prod	12	0.0%	0.0%	0.0%
WSS Networks	11	2.1%	0.0%	2.1%
Finance, Admin Cust Coord	20	6.8%	0.0%	6.8%
TOTAL	86	2.9%	0.0%	2.9%

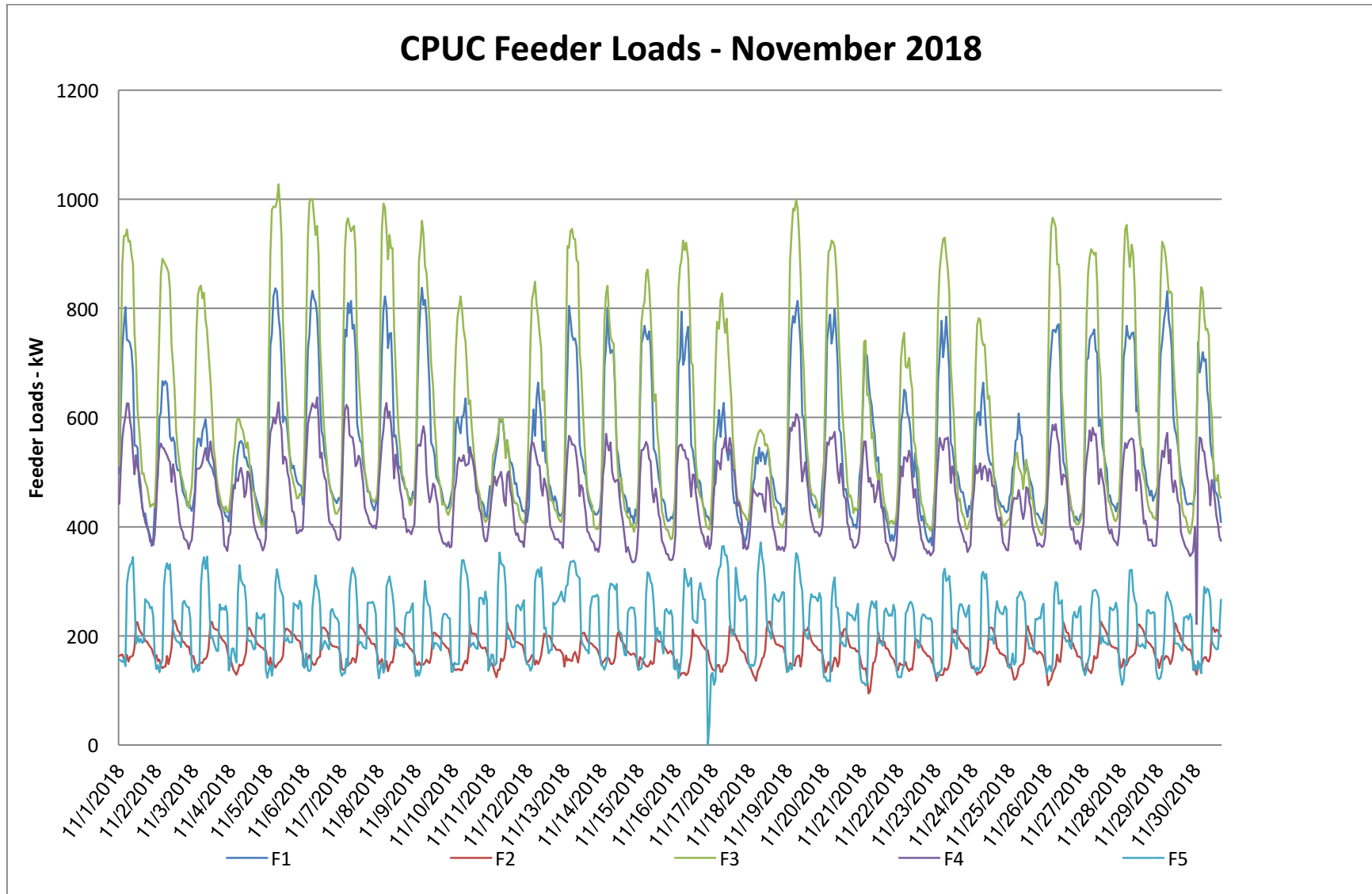
Administration Table 2 Attendance Summary – November 2018 & FY 2019

DEPARTMENT	November 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	1,463	175	113	73	70	1,894	0	3,033	298	159	120	142	3,752	8	3.2%
Maintenance	6	679	75	79	33	71	936	3	1,404	94	117	63	117	1,796	11	3.5%
Power Distribution - Line	16	2,253	222	354	56	200	3,084	0	4,431	348	616	110	532	6,037	0	1.8%
Power Distribution - Contractors	11	2,875	0	0	0	0	2,875	0	5,790	0	0	0	0	5,790	0	0.0%
Water & Sewer	12	1,447	140	196	37	122	1,943	0	2,995	184	361	134	172	3,846	0	3.5%
Water & Sewer Contractors	11	1,983	0	0	41	0	2,024	0	3,942	0	102	41	0	4,085	0	1.0%
Fin, Admin, Cust Care	20	2,236	128	340	160	249	3,113	3	4,741	269	450	289	393	6,142	3	4.7%
TOTAL EMPLOYEES	86	12,936	739	1,082	400	711	15,869	6	26,336	1,192	1,806	757	1,356	31,448	21	2.4%
REGULAR STAFF	64	8,078	739	1,082	359	711	10,970	6	16,604	1,192	1,704	716	1,356	21,573	21	
Hours as % of Total Hours Claimed		73.6%	6.7%	9.9%	3.3%	6.5%		0.1%	77.0%	5.5%	7.9%	3.3%	6.3%		0.1%	
CONTRACT STAFF	22	4,858	0	0	41	0	4,899	0	9,732	0	102	41	0	9,875	0	
Hours as % of Total Hours Claimed		99.2%	0.0%	0.0%	0.8%	0.0%		0.0%	98.5%	0.0%	1.0%	0.4%	0.0%		0.0%	

CAPEX Table 1 Capex Summary Sheet – November 2018

Chuuk Public Utility Corporation Capex Summary Sheet as of November 30 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	209,762	56,536	0	212,149	54,149	2,387
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	357,903	357,903	0	392,097	415,000	335,000	57,097
Total	1,016,298	624,201	567,665	56,536	392,097	627,149	389,149	59,484

Graph Showing Feeder Loads in kW - November 2018



Graph Showing Generation Output in kW - November 2018

