

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2019 – July 2019



Issued: 18 August 2019

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EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Jul-19	FY2019	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Jul-19	FY2019	Jul-19	FY2019
Revenue	748,397	7,041,119	0.583	0.568	0.513	0.489
Variable Costs	321,608	3,312,212	0.251	0.267	0.220	0.230
Fixed Costs	211,273	2,004,832	0.165	0.162	0.145	0.139
Total Expenses	532,881	5,317,044	0.415	0.429	0.365	0.369
Operating result	215,516	1,724,074	0.168	0.139	0.148	0.120
Power generation	1,458,882	14,399,729				
Diesel	1,433,851	14,140,965				
Solar	25,031	258,764				
Solar PV as % of Total Generation	1.7%	1.8%				
Avoided Cost of Fuel - US\$	5,278	57,227				
Tons of CO2 Avoided	17.0	176.9				
Government Sales	198,822	2,142,538	Feeder	Conns	Jul-19	FY2019
Commercial Sales	669,647	6,360,621	F1	496	316,825	3,223,799
Residential Sales	347,454	3,233,138	F2	485	95,926	1,002,495
Intercompany Sales	67,629	673,776	F3	403	378,385	3,618,174
Sales Accrual	0	-9,838	F4	401	309,279	3,077,079
Total Sales	1,283,551	12,400,235	F5	500	165,865	1,350,172
Power Loss	12.0%	13.9%	Total	2,286	1,266,279	12,271,719
Operating ratio	0.71	0.76	NB - Error on Total and Feeder sales YTD is <1.0%;			
			18,937 kWh station use is not included			
Water Produced - Gallons	18,413,900	203,464,484				
Water Sold - Gallons	8,671,531	72,899,424				
Non Revenue Water	52.9%	64.2%				

Daily generated output in July was 47,061 kWh/day; 0.2% lower than June. Average daily sales were 41,405 kWh/day; 0.8% higher than June. Total power loss was 12.0% (YTD 13.9%).

Average fuel efficiency for July was 14.84 kWh/gallon – this was constant with the June figure due to more effective generation planning. The absence of the DG4 for overhaul is impacting overall station fuel efficiency however effort is being taken to maximize efficiency with the engines at hand.

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

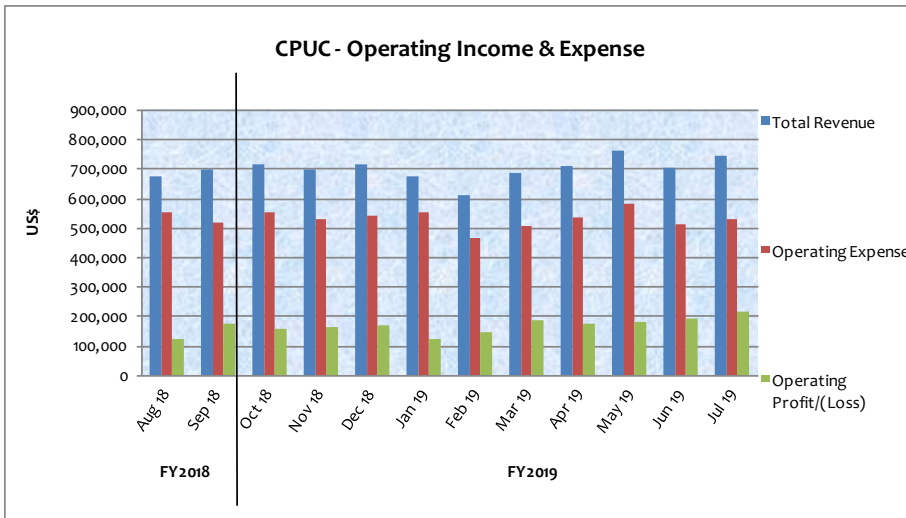
Government – 15.5%; Commercial – 52.2%; Residential – 27.1%; Intercompany 5.3%; Accrual 0.0%;

Solar PV generation in July was 25,031 kWh or 1.7% of total generation. The avoided cost of fuel was US\$5,278 and the amount of Carbon Dioxide avoided was 17.0 tons.

From a commercial perspective the operating result for July 2019 was US\$215,516 with an operating ratio of 0.71; YTD US\$ 1,724,074 and 0.76 respectively.

In relation to collections arrears continued to increase - further effort is required to reduce and maintain arrears at acceptable levels in particular government arrears.

1 FINANCIAL PERFORMANCE GRAPHS

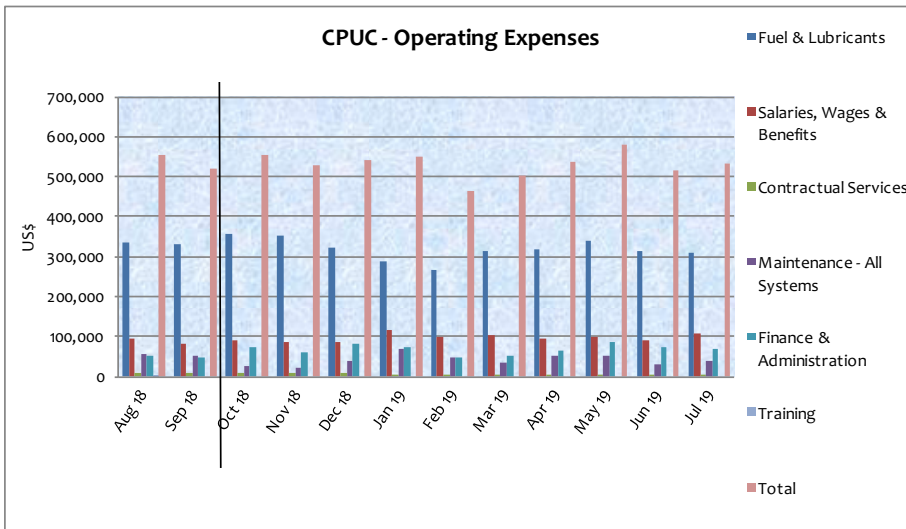


1.1 Key Points:

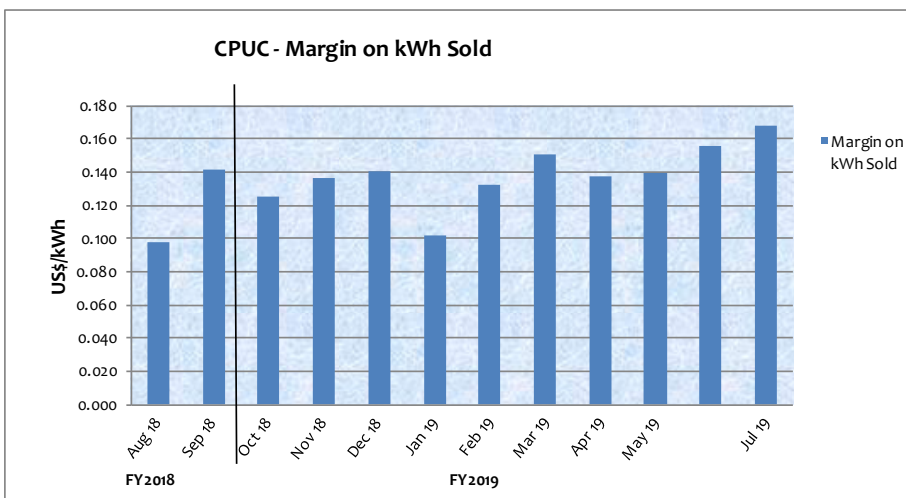
FY2018 Operating income before Depreciation & Interest :

FY2019 US\$1,724,074

Operating ratio: YTD 0.76;

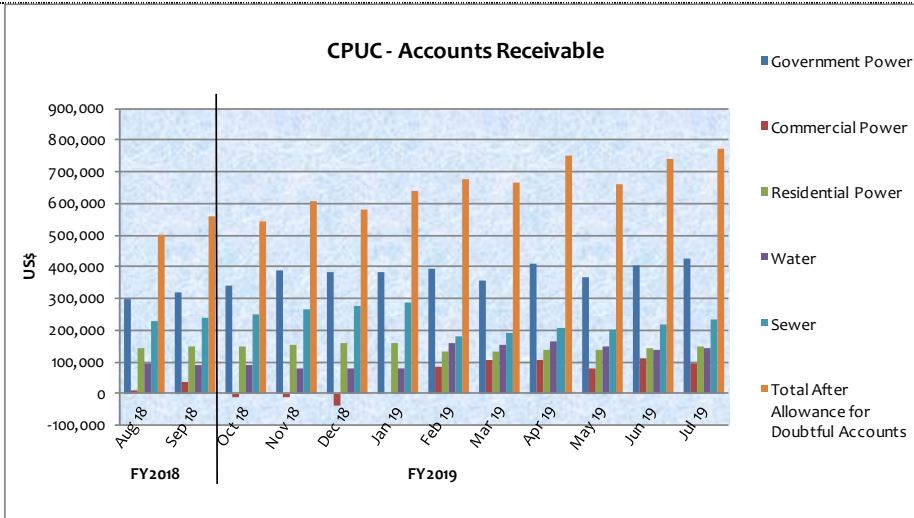


1.2 Key Points:



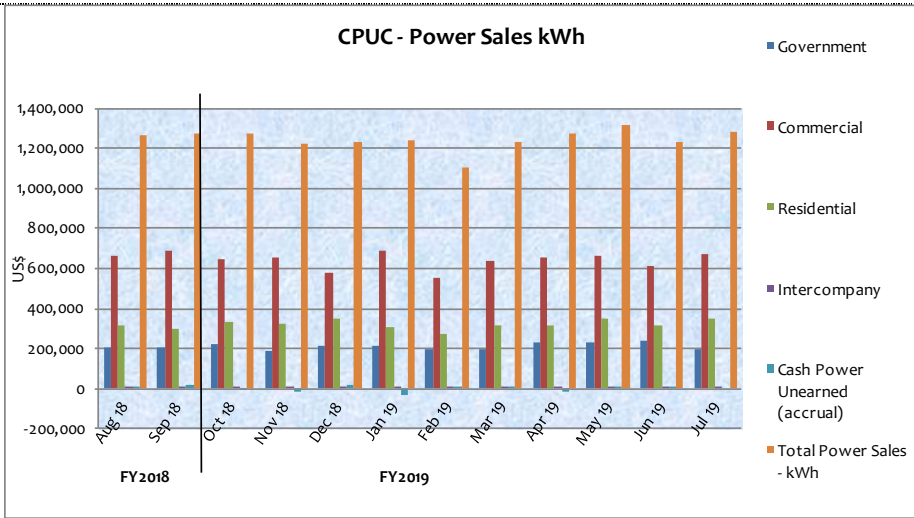
1.3 Key Points:

YTD US\$0.139 kWh sold.

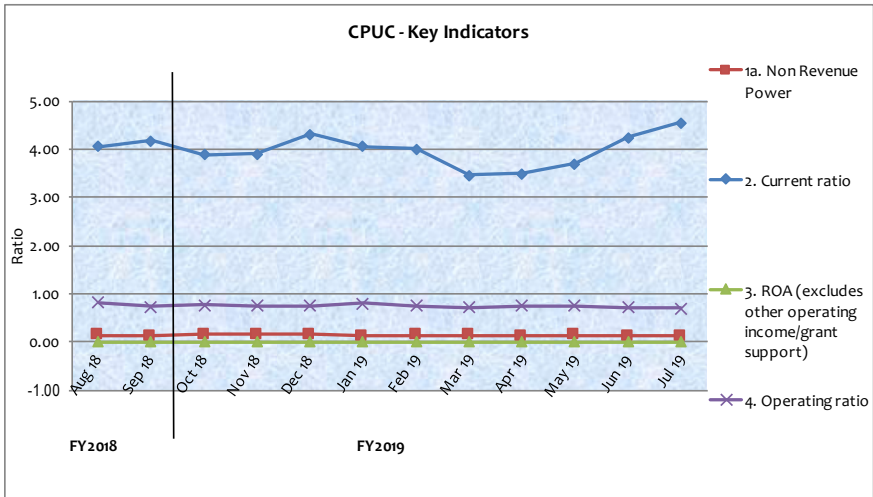


1.4 Key Points:

Government payables are increasing – a key issue is non-payment for street lighting since 2012

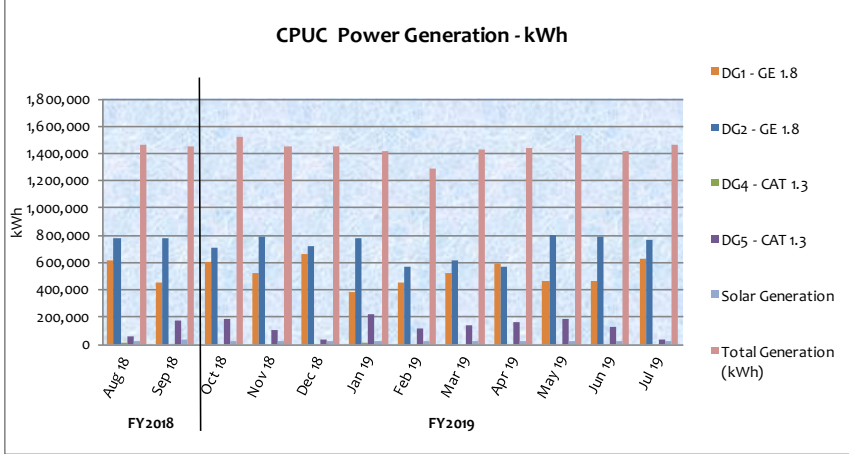


1.5 Key Points:

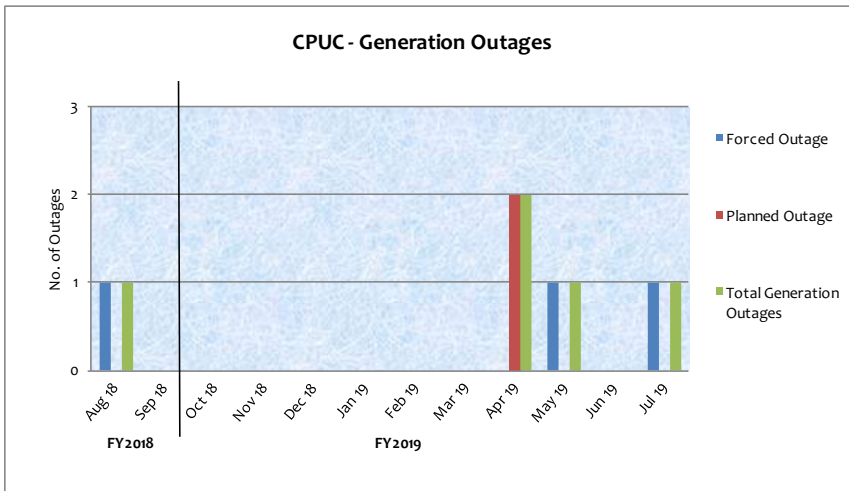


1.6 Key Points:

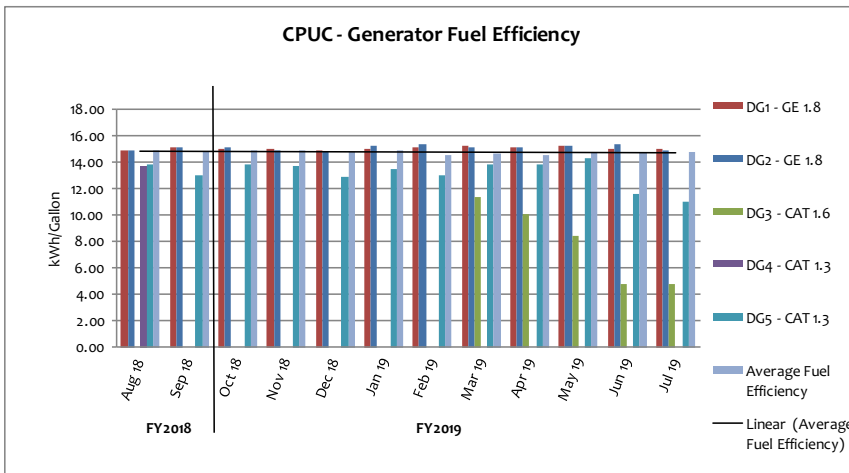
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:



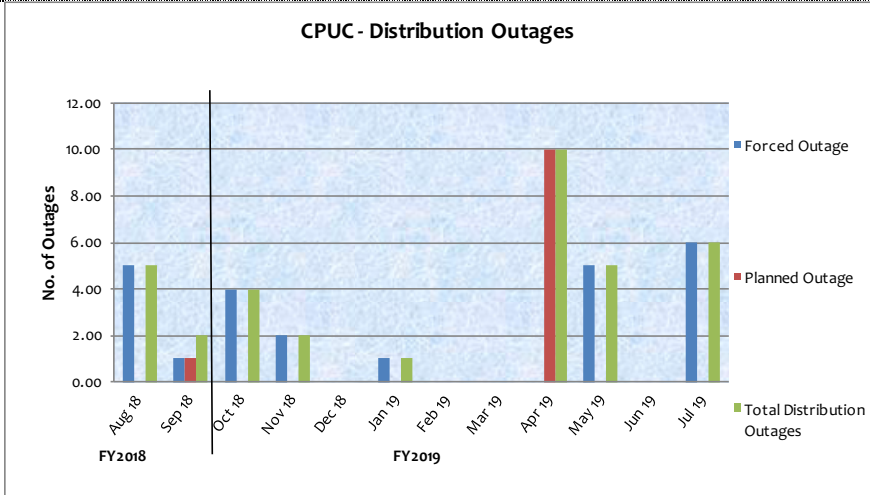
2.2 Key Points:



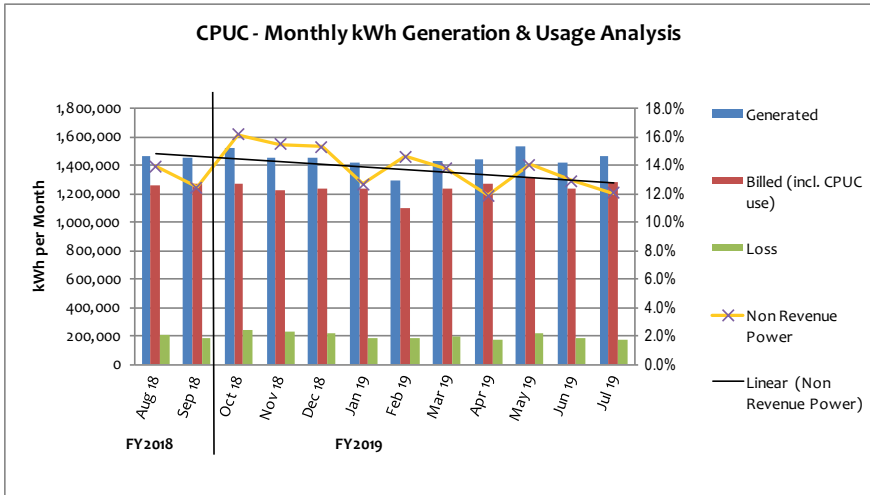
2.3 Key Points:

Avg fuel efficiency in FY2019 14.8 kWh/gall.

Reduced efficiency since April due to absence of DG4 which is on overhaul

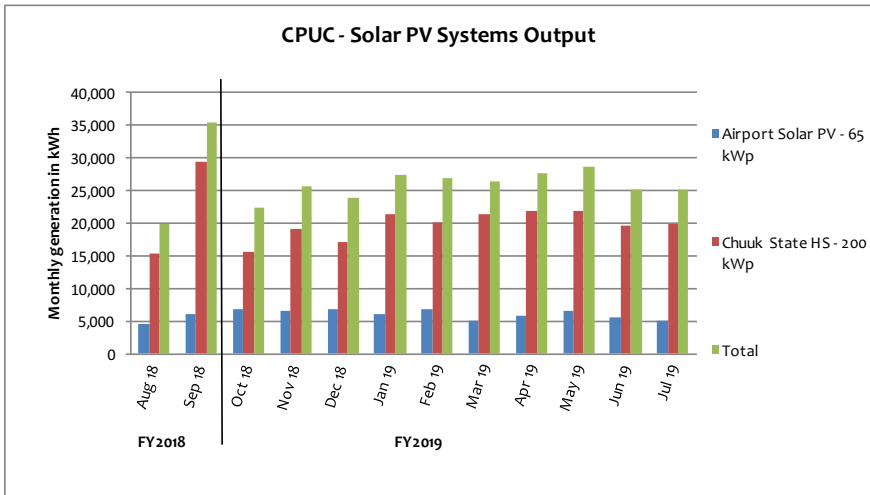


2.4 Key Points



2.5 Key Points:

Power loss for June 2019 – 12.0%;
YTD 13.9%



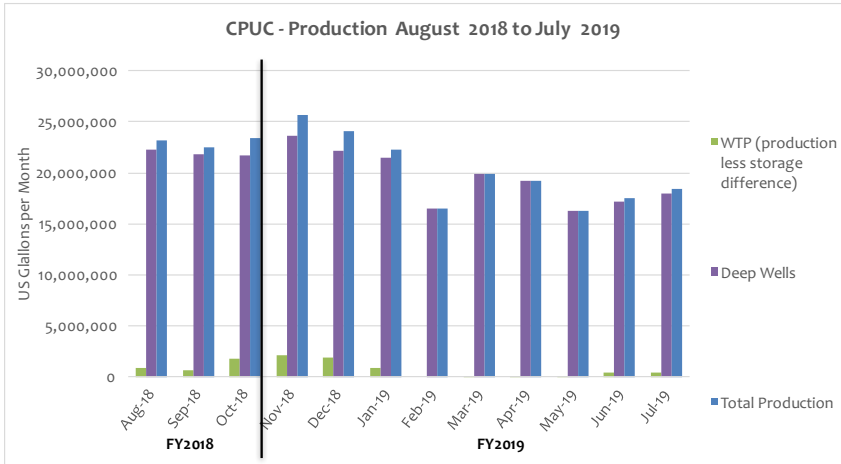
2.6 Key Points:

Solar PV accounted for 1.7% of CPUC generation in June;

The avoided cost of fuel was: US\$5,728

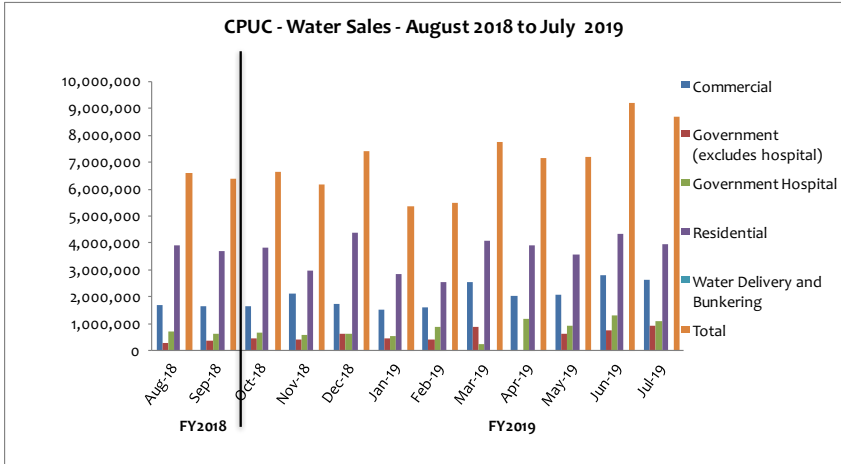
Avoided Tons of CO₂ was 17.0 Tons;

3 WATER PERFORMANCE GRAPHS

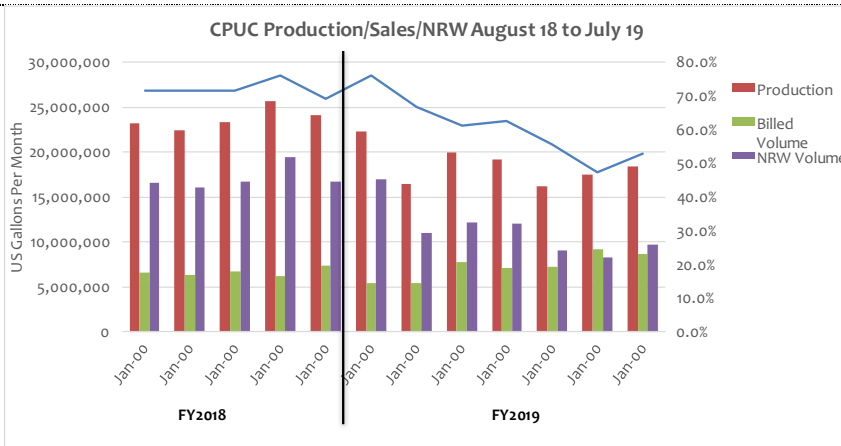


1 Key Points:

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 – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019
Revenue - US\$														
Operating revenue:														
a. Power Sales	620,986	656,139	665,920	651,371	659,579	633,141	559,058	626,175	656,054	687,303	643,400	668,892	7,058,632	6,450,895
b. Water Sales	24,483	23,833	24,496	23,247	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	273,716	270,659
c. Sewer Sales	12,366	11,836	12,204	13,274	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	145,333	141,676
d. Other operating revenue	19,052	8,980	12,939	8,920	13,651	15,090	21,352	20,829	9,348	34,898	10,349	30,511	108,961	177,888
Revenue - Total	676,887	700,789	715,559	696,813	715,049	678,311	611,492	690,612	712,106	764,956	707,824	748,397	7,586,642	7,041,119
Expenses - US\$														
Fuel & Lubricants	333,944	329,402	357,813	351,703	324,559	289,207	267,204	312,148	318,439	338,876	314,459	309,642	3,738,941	3,184,049
Salaries, Wages & Benefits	96,620	82,808	90,443	86,883	86,183	114,829	97,726	102,212	97,018	98,743	90,353	107,044	1,087,840	971,436
Contractual Services	7,494	8,596	10,274	8,120	8,934	5,039	4,723	5,762	4,996	5,316	5,077	5,298	105,293	63,538
O&M - Power Generation	21,919	11,968	2,592	2,796	9,175	44,696	32,945	5,747	10,542	21,962	14,283	18,010	205,681	162,748
O&M - Power Distribution	10,603	18,625	8,235	7,355	17,556	4,237	3,130	12,231	12,053	10,265	4,302	3,741	140,422	83,103
O&M - Water	6,097	8,152	2,591	4,668	787	3,616	220	5,726	5,154	3,710	996	1,551	59,845	29,018
O&M - Sewer	0	0	71	0	1,650	795	62	262	0	421	600	0	3,602	3,860
Finance & Administration Overheads	39,815	34,970	56,170	44,688	69,378	62,013	38,878	39,494	52,298	77,357	63,218	57,763	619,662	561,258
Vehicle & Eq. Fuel	17,424	13,600	12,698	8,928	11,732	14,678	10,798	9,244	23,045	13,952	10,860	17,865	180,871	133,801
CPUC Power Usage (incl. in O&M from Oct 15)	14,233	13,266	15,329	14,016	12,583	12,511	9,879	12,206	13,066	10,970	11,705	11,967	157,143	124,231
Training	5,340	0	0	0	0	0	0	0	0	0	0	0	9,601	0
Expense - Total	553,489	521,388	556,217	529,156	542,538	551,620	465,565	505,033	536,611	581,571	515,853	532,881	6,308,899	5,317,044
Operating Income/(Loss)	123,398	179,401	159,343	167,657	172,511	126,691	145,927	185,579	175,494	183,384	191,971	215,516	1,277,743	1,724,074
Non-Cash Expenses - US\$														
Depreciation	122,291	122,291	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	1,467,491	1,185,199
Interest Expense	5,667	5,667	5,189	5,189	5,188	5,188	5,188	5,188	5,188	5,188	5,188	5,188	68,004	51,882
Non-Cash Expense - Total - US\$	127,958	127,958	123,709	123,709	123,708	123,708	123,708	123,708	123,708	123,708	123,708	123,708	1,535,495	1,237,081
Income/(Loss) - excluding grant support - US\$	-4,560	51,443	35,634	43,949	48,803	2,983	22,219	61,871	51,786	59,676	68,263	91,808	-257,752	486,993
Non-operating Income (Grant Support) - US\$	61	64	0	23	31	28	-1,417	0	26,571	-27,657	0	14,194	416,122	11,773
Income/(Loss) - including grant support - US\$	-4,498	51,507	35,633	43,972	48,834	3,010	20,803	61,872	78,357	32,019	68,263	106,002	158,370	498,766

Financial Table 2 Cash Flow and A/R Report – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019
Cash Flow Report - US\$														
Receipts	578,614	613,681	568,122	567,676	609,554	495,964	502,977	560,338	571,094	752,602	536,996	616,328	6,998,463	5,781,651
Disbursements	497,138	490,106	400,353	598,191	522,456	685,740	482,306	815,182	469,484	520,832	525,879	716,012	7,206,976	5,736,435
Net receipts/Disbursements	81,476	123,575	167,769	-30,515	87,098	-189,776	20,671	-254,844	101,610	231,770	11,117	-99,683	-208,513	45,216
Cash balance (beginning)	923,458	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,163,085	1,183,756	928,912	1,030,522	1,262,292	1,273,409	1,287,966	1,128,509
Cash balance (end)	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,163,085	1,183,756	928,912	1,030,522	1,262,292	1,273,409	1,173,725	1,096,437	1,262,292
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)	1,003,240	1,126,815	1,294,584	1,264,069	1,351,167	1,161,391	1,182,062	927,218	1,028,828	1,260,598	1,271,715	1,172,031	1,126,815	1,260,598
Stocks	1,237,812	1,150,298	1,174,400	1,304,315	1,336,202	1,365,090	1,166,243	1,044,682	1,095,392	1,085,816	1,203,022	1,230,406	1,150,298	1,085,816
Trade Receivable	501,070	557,173	540,583	604,738	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	557,173	661,176
Prepaid Lease	296,925	294,893	292,861	290,830	288,798	286,766	284,735	282,703	280,671	278,640	276,608	274,576	294,893	278,640
Collateral with Vital Inc.	622,843	634,300	647,590	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	649,881	634,300	649,881
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	829,741	828,618	937,409	977,121	905,956	939,856	915,763	948,973	1,005,347	985,819	907,996	838,841	828,618	985,819
Loans Payable	4,101,983	4,097,884	4,093,785	4,089,687	4,085,588	3,933,976	3,936,453	3,936,453	3,927,640	3,927,640	3,940,136	3,777,534	4,097,884	3,927,640
Total Accounts Receivable (to date) - US\$														
Government Power	297,133	321,533	338,492	391,246	382,595	385,375	393,099	356,369	408,056	366,946	402,465	425,435	321,533	366,946
Commercial Power	12,240	35,477	-13,692	-10,461	-39,122	0	86,794	105,986	108,470	79,490	113,226	95,490	35,477	79,490
Residential Power	142,954	147,884	149,639	155,574	159,235	161,590	131,111	133,425	137,780	140,179	143,299	150,849	147,884	140,179
Water	97,643	89,343	91,005	79,986	77,789	77,608	160,233	151,706	163,463	150,682	139,937	141,361	89,343	150,682
Sewer	226,663	238,500	250,703	263,958	277,158	289,004	178,583	193,229	209,061	199,443	217,467	232,854	238,500	199,443
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	501,070	557,173	540,583	604,738	582,092	638,014	674,256	665,151	751,264	661,176	740,830	770,425	557,173	661,176

Financial Table 3 Power Sales Report – August 2018 to July 2019

Power Sales Report	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	69,063	73,902	78,982	73,888	69,157	87,369	73,785	78,489	89,656	89,941	86,253	78,496	857,283	806,015
Government - Pre Paid (Cash Power)	44,399	38,838	46,381	34,127	50,728	33,519	34,643	29,986	42,001	40,141	39,592	26,309	504,164	377,427
Government Streetlights	2,594	2,546	3,083	2,940	3,083	3,083	3,083	3,083	2,940	3,038	2,941	3,038	30,496	30,315
Solar	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	46,311	39,983
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	584	0
Government Total	120,054	119,284	132,444	114,954	126,966	127,969	115,510	115,556	138,596	137,118	132,784	111,841	1,438,838	1,253,739
Commercial - Post Paid	243,928	268,635	250,934	268,716	223,874	265,051	211,671	239,394	255,743	258,844	240,595	267,872	2,751,357	2,482,696
Commercial - Pre Paid (Cashpower)	83,362	92,268	94,573	92,193	96,160	88,719	70,336	90,016	90,529	94,978	90,697	93,796	992,414	901,996
Commercial - Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	8,095	0
Commercial Total	327,290	360,904	345,507	360,909	320,034	353,770	282,008	329,410	346,272	353,822	331,292	361,668	3,751,866	3,384,691
Residential - Post Paid	4,511	8,061	4,820	8,569	7,568	6,237	6,070	7,327	7,085	5,880	4,501	3,973	69,808	62,030
Residential - Pre Paid (Cashpower)	136,455	133,278	151,808	146,347	155,168	132,124	114,831	136,588	137,594	156,856	141,797	155,624	1,453,847	1,428,736
Residential Scratch Card Sales	12,368	11,758	13,863	13,495	20,857	11,435	17,956	13,746	15,623	16,637	15,382	16,674	124,156	155,667
Residential Total	153,334	153,097	170,490	168,410	183,593	149,796	138,857	157,661	160,302	179,373	161,680	176,271	1,647,811	1,646,434
Trade Power Sales Total	600,678	633,285	648,441	644,273	630,593	631,536	536,375	602,627	645,170	670,313	625,756	649,780	6,838,516	6,284,865
Intercompany - CPUC Office	1,258	1,262	1,461	1,294	1,503	1,131	1,188	1,417	1,417	1,520	1,434	1,443	14,914	13,808
Intercompany - CPUC Power Operation	4,138	1,155	3,060	2,733	2,639	3,034	3,101	3,461	3,517	3,252	3,324	3,633	38,604	31,753
Intercompany - CPUC Water Operations	6,247	6,082	5,910	6,332	6,363	5,834	4,371	5,075	6,720	5,641	5,412	5,477	62,774	57,134
Intercompany - CPUC Sewer Operations	7,986	7,184	9,420	7,684	6,220	6,677	5,508	7,131	6,346	5,329	6,293	6,490	88,568	67,097
Cash Power Unearned	679	7,172	-2,371	-10,945	12,262	-15,070	8,515	6,464	-7,116	1,248	1,182	2,070	9,455	-3,761
Total Power Sales - US\$	620,986	656,139	665,920	651,371	659,579	633,141	559,058	626,175	656,054	687,303	643,400	668,892	7,052,831	6,450,895
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	114,393	123,341	128,300	122,835	114,867	143,735	125,383	132,491	149,022	152,036	154,814	140,930	1,531,838	1,364,413
Government - Pre Paid (Cash Power)	82,174	69,891	82,440	58,207	88,223	61,133	64,309	54,779	75,583	71,680	70,486	47,515	975,797	674,355
Government - Street Lights	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	10,377	122,514	103,770
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	1,160	0
Government Total	206,944	203,609	221,117	191,419	213,467	215,245	200,069	197,647	234,982	234,094	235,676	198,822	2,631,309	2,142,538
Commercial - Post Paid	502,928	513,220	470,232	494,277	407,901	519,204	419,500	463,469	488,861	487,611	442,981	493,900	5,684,451	4,687,937
Commercial - Pre Paid (Cashpower)	160,220	172,239	174,360	162,798	173,260	167,933	135,601	170,678	168,992	175,885	167,430	175,747	1,995,954	1,672,685
Commercial Scratchcard	0	0	0	0	0	0	0	0	0	0	0	0	16,680	0
Commercial Total	663,148	685,459	644,592	657,075	581,161	687,137	555,101	634,148	657,853	663,496	610,411	669,647	7,697,085	6,360,621
Residential - Post Paid	9,168	15,876	9,408	16,193	14,025	12,874	12,412	14,671	13,976	11,492	8,802	7,774	149,898	121,627
Residential - Pre Paid (Cashpower)	278,365	263,604	296,326	272,933	295,614	265,203	235,021	274,659	272,140	307,620	277,165	309,023	3,109,297	2,805,704
Residential Scratch Card Sales	25,233	23,185	24,966	31,292	39,434	26,220	28,717	27,348	32,598	32,434	32,142	30,657	264,699	305,808
Residential Total	312,766	302,665	330,700	320,418	349,072	304,297	276,150	316,678	318,714	351,546	318,109	347,454	3,523,893	3,233,138
Trade Power Sales Total	1,182,858	1,191,733	1,196,409	1,168,912	1,143,700	1,206,680	1,031,320	1,148,473	1,211,548	1,249,136	1,164,196	1,215,922	13,852,288	11,736,297
Intercompany - CPUC Office	4,992	4,582	5,797	5,135	5,963	4,488	4,714	5,624	5,624	6,031	5,689	5,727	58,756	54,792
Intercompany - CPUC Power Operation	16,422	5,009	12,142	10,845	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	153,619	126,003
Intercompany - CPUC Water Operations	24,789	24,134	23,451	25,126	25,250	23,152	17,345	20,139	26,666	22,385	21,476	21,733	272,124	226,723
Intercompany - CPUC Sewer Operations	31,690	28,507	37,380	30,492	24,681	26,495	21,857	28,296	25,183	21,147	24,973	25,754	351,460	266,258
Cash Power Unearned (accrual)	2,115	16,509	-1,558	-17,254	20,020	-33,182	14,290	14,106	-11,940	3,183	2,497	0	35,099	-9,838
Total Power Sales - kWh	1,262,866	1,270,474	1,273,621	1,223,256	1,230,086	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	1,232,020	1,283,551	14,723,346	12,400,235

Financial Table 4 Water Sales Report – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Mar 20	May 19	Jun 19	Jul 19	FY2018	FY2019
Water/Sewer Sales Report														
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,030	4,970	5,708	4,836	6,313	4,945	6,628	5,740	10,312	8,252	11,075	10,159	64,292	73,968
Commercial	9,911	10,118	9,379	10,650	11,402	6,239	8,195	12,287	10,538	11,067	13,812	12,413	107,226	105,984
Residential	9,542	8,745	9,409	7,761	10,902	7,050	3,634	10,933	10,022	8,799	11,163	11,034	105,891	90,707
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	-3,693	0
Total	24,483	23,833	24,496	23,247	28,617	18,234	18,457	28,961	30,872	28,118	36,051	33,606	273,716	270,659
Sewer Sales - US\$														
Government	2,405	2,380	2,739	2,295	3,015	2,341	3,193	2,621	4,903	3,888	5,212	4,737	30,340	34,944
Commercial	3,442	3,051	6,753	8,223	7,211	6,981	7,093	9,172	8,109	8,109	9,972	9,335	45,250	80,959
Commercial with No Water	3,705	3,705	0	0	0	0	0	0	0	0	0	0	44,261	0
Residential	733	620	2,712	2,756	2,975	2,523	2,340	2,853	2,820	2,638	2,840	1,316	7,167	25,772
Residential with No Water	2,080	2,080	0	0	0	0	0	0	0	0	0	0	21,372	0
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	-3,057	0
Sewer Sales	12,366	11,836	12,204	13,274	13,201	11,845	12,625	14,646	15,832	14,636	18,024	15,388	145,333	141,676
Total Water & Sewer Sales	36,849	35,669	36,700	36,522	41,818	30,079	31,082	43,607	46,703	42,754	54,075	48,994	419,049	412,335
Water Sales - Gallons														
Government	1,027,400	1,020,140	1,163,478	989,349	1,289,270	1,017,996	1,581,229	1,171,324	2,082,353	1,676,591	2,820,480	2,062,463	13,253,730	15,854,533
Commercial	2,059,220	2,059,130	1,959,674	2,220,194	2,354,520	1,741,160	1,475,740	2,527,990	2,172,440	2,290,800	2,240,915	2,541,618	22,148,259	21,525,051
Residential	3,533,960	3,275,420	3,533,710	3,227,530	4,021,600	2,627,420	2,720,160	4,090,082	3,757,416	3,337,700	4,136,772	4,067,450	39,930,226	35,519,840
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	49,325	0
Total	6,620,580	6,354,690	6,656,862	6,437,073	7,665,390	5,386,576	5,777,129	7,789,396	8,012,209	7,305,091	9,198,167	8,671,531	75,381,540	72,899,424

Financial Table 5 Key Performance Indicators – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019
1a. Non Revenue Power	13.9%	12.5%	16.2%	15.5%	15.3%	12.7%	14.6%	13.8%	11.9%	14.0%	12.9%	12.0%	15.6%	13.9%
Total Power Generated - kWh	1,467,018	1,451,201	1,519,270	1,447,320	1,451,890	1,419,536	1,290,507	1,426,566	1,442,047	1,529,633	1,414,079	1,458,882	17,441,330	14,399,729
Total Power Billed - kWh	1,262,866	1,270,474	1,273,621	1,223,256	1,230,086	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	1,232,020	1,283,551	14,723,346	12,400,235
Generation Loss (actual from Jun 17)	21,414	9,591	17,939	15,980	16,435	16,527	17,019	19,359	19,579	18,937	18,878	20,142	212,248	180,795
Distribution Loss Derived - kWh	146,062	134,856	189,728	171,901	169,072	127,849	139,394	141,170	115,381	157,668	127,828	118,716	2,069,703	1,458,705
Commercial Loss (assumed 2.5%) - kWh	36,675	36,280	37,982	36,183	36,297	35,488	32,263	35,664	36,051	38,241	35,352	36,472	436,033	359,993
Total Loss - kWh	204,152	180,727	245,648	224,064	221,804	179,864	188,675	196,193	171,011	214,846	182,058	175,330	2,717,984	1,999,494
Distribution loss %	10.0%	9.3%	12.5%	11.9%	11.6%	9.0%	10.8%	9.9%	8.0%	10.3%	9.0%	8.1%	11.9%	10.1%
1b. Non Revenue Water	71.3%	71.7%	71.5%	74.9%	68.1%	76.1%	64.9%	60.6%	58.0%	55.0%	48.7%	52.9%	71.4%	64.2%
Water Produced (million gallons)	23.08	22.44	23.32	25.65	24.06	22.50	16.48	19.79	19.07	16.25	17.93	18.41	263.4	203
Water Billed (million gallons)	6.62	6.35	6.66	6.44	7.67	5.39	5.78	7.79	8.01	7.31	9.20	8.67	75	73
2. Current ratio	4.06	4.19	3.90	3.91	4.33	4.06	4.01	3.47	3.51	3.71	4.26	4.56	4.06	3.90
	3.86	3.98	3.69	3.70	4.13	3.86	3.77	3.22	3.24	3.46	3.98	4.29	3.84	3.69
	7.57	7.37	8.69	7.89	7.72	6.64	12.31	9.69	10.56	11.28	12.16	10.33	8.46	8.69
	6.82	8.15	7.90	9.40	8.25	8.42	6.85	6.73	8.14	7.89	8.56	7.98	7.46	7.90
3. ROA (excludes other operating income/grant support)	-0.02%	0.22%	0.15%	0.19%	0.21%	0.01%	0.09%	0.26%	0.22%	0.25%	0.28%	0.38%	-0.01	0.00
Power Business	0.36%	0.64%	0.52%	0.52%	0.55%	0.41%	0.34%	0.59%	0.56%	0.61%	0.56%	0.74%	0.03	0.01
Water Business	-2.08%	-1.95%	-1.18%	-1.10%	-0.85%	-2.07%	-0.30%	-0.75%	-0.98%	-0.88%	-0.24%	-0.36%	-0.25	-0.01
Sewer Business	-1.07%	-0.96%	-1.01%	-0.86%	-0.98%	-1.09%	-0.90%	-0.91%	-0.96%	-1.05%	-0.84%	-1.05%	-0.13	-0.01
4. Operating ratio	0.82	0.74	0.78	0.76	0.76	0.81	0.76	0.73	0.75	0.76	0.73	0.71	0.83	0.76
Power Business	0.75	0.69	0.73	0.72	0.72	0.74	0.73	0.69	0.71	0.72	0.70	0.67	0.76	0.73
Water Business	1.44	1.38	1.11	1.06	0.95	1.63	0.75	0.93	1.01	0.97	0.75	0.82	1.46	1.11
Sewer Business	2.79	2.45	2.66	2.06	2.44	2.93	2.17	1.98	2.08	2.38	1.66	2.32	2.81	2.66
5. Days in Accounts Receivable	22.85	24.16	23.08	26.37	24.90	28.86	34.28	29.79	32.07	27.17	31.86	32.20	22.45	23.08
Power Business	14.57	15.96	14.63	17.54	16.04	18.70	24.05	20.86	22.62	18.68	23.14	22.93	13.85	14.63
Water Business	77.19	75.25	73.82	70.91	55.35	89.17	184.88	111.12	116.22	113.47	84.88	92.95	77.10	73.82
Sewer Business	354.78	404.47	408.19	409.81	427.49	511.16	301.23	279.85	289.84	288.55	263.83	334.37	337.09	408.19

Power Table 1 Power Operation Indicators – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	1,447,204	1,415,898	1,496,930	1,421,593	1,428,107	1,392,221	1,263,683	1,400,164	1,414,321	1,501,140	1,388,955	1,433,851	17,122,425	14,140,965
Peak Generation - kW	2,808	2,851	2,906	2,943	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,941	2,936
Fuel Consumption - Gallons	97,296	95,293	100,623	95,533	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	1,143,186	957,362
Average Fuel Price (\$/Gallon)	3.50	3.52	3.62	3.63	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.33	32.62
Load Factor (%)	69%	68%	69%	65%	68%	72%	67%	69%	65%	70%	65%	69%	67%	67%
Capacity Factor (%)	50%	51%	52%	53%	51%	47%	47%	49%	52%	51%	52%	50%	40%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	600%	700%	800%	100%	100%
Reserve Plant Margin (%)	178%	174%	168%	165%	176%	197%	195%	183%	166%	171%	170%	180%	165%	168%
Solar PV Generation - kWh	19,814	35,303	22,340	25,727	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	318,905	258,764
Solar Generation %	1.4%	2.4%	1.5%	1.8%	1.6%	1.9%	2.1%	1.9%	1.9%	1.9%	1.8%	1.7%	1.8%	1.8%
Peak PV Generation -kW	155	276	175	201	186	213	210	206	217	223	196	196	153	1,490
Avoided Fuel - Gallons	1,332	2,376	1,502	1,729	1,604	1,833	1,845	1,795	1,905	1,929	1,700	1,686	21,293	17,519
Avoided Cost of Fuel - US\$	4,662	8,373	5,439	6,279	5,405	5,543	5,535	5,612	6,044	6,306	5,564	5,278	70,922	57,227
Tons of CO2 avoided	13.5	24.0	15.2	17.5	16.2	18.5	18.6	18.1	19.2	19.5	17.2	17.0	215.1	176.9
Labour Productivity (kWh/Emp/d)	1,615	1,580	1,671	1,587	1,594	1,554	1,410	1,563	1,578	1,675	1,550	1,600	1,466	1,454
SFOC (kWh/gal)	14.87	14.86	14.88	14.88	14.83	14.91	14.54	14.71	14.56	14.77	14.78	14.84	14.98	14.77
DG1 - GE 1.8	14.87	15.11	15.00	15.00	14.93	15.04	15.12	15.31	15.20	15.24	15.02	14.99	15.36	15.08
DG2 - GE 1.8	14.96	15.20	15.15	14.98	14.85	15.29	15.37	15.19	15.21	15.30	15.43	14.97	15.01	15.17
DG3 - CAT 1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	10.12	8.42	4.81	4.81	0.00	10.39
DG4 - CAT 1.3	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.24	12.45
DG5 - CAT 1.3	13.90	13.02	13.83	13.72	12.93	13.51	13.05	13.88	13.88	14.33	11.64	11.02	14.09	13.41
SLOC (kWh/gal)	2,548	2,216	5,780	1,932	4,698	5,396	2,344	2,174	1,811	5,342	4,891	1,565	3,747	2,827
DG1 - GE 1.8	1,326	2,856	4,249	1,461	4,304	3,105	4,448	1,242	2,986	3,257	3,538	1,322	3,655	2,356
DG2 - GE 1.8	0	0	5,987	2,091	4,855	6,150	1,670	4,854	0	0	0	0	3,211	3,026
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	1,183
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	42
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1,283
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outage Factor (%)	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%
Planned Outage Factor (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	26.4%	26.8%	27.4%	27.7%	26.6%	24.7%	24.9%	25.9%	27.6%	27.1%	27.2%	26.2%	27.7%	27.4%
Distribution Losses (%)	10.0%	9.3%	12.5%	11.9%	11.6%	9.0%	10.8%	9.9%	8.0%	10.3%	9.0%	8.1%	7.9%	14.5%
SAIDI (hours/consumer)	0.01	0.22	0.07	0.09	0.00	0.04	0.00	0.00	0.01	0.06	0.00	0.10	2.94	0.37
SAIFI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.024	0.017
Average Cost (\$/kWh)	0.23	0.23	0.24	0.24	0.22	0.20	0.20	0.21	0.21	0.22	0.22	0.21	0.22	0.22

Power Table 2 Power Generation Statistics – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	613,939	456,999	599,140	526,088	667,180	388,078	453,676	523,052	591,227	462,521	470,551	631,714	8,772,077	5,313,227
DG2 - GE 1.8	776,739	781,727	706,479	786,323	723,362	781,079	571,171	621,248	566,575	807,131	786,294	768,085	4,466,850	7,117,747
DG3 - CAT 1.6	663	0	3,050	0	0	0	116,914	112,399	94,643	48,041	3,059	337	663	378,443
DG4 - CAT 1.3	483	0	0	0	0	249	0	0	0	0	0	0	1,632,075	249
DG5 - CAT 1.3	55,380	177,172	188,261	109,182	37,565	222,815	121,922	143,465	161,876	183,447	129,051	33,715	2,250,760	1,331,299
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,447,204	1,415,898	1,496,930	1,421,593	1,428,107	1,392,221	1,263,683	1,400,164	1,414,321	1,501,140	1,388,955	1,433,851	17,122,425	14,140,965
Airport Solar Panel	4,605	5,975	6,816	6,629	6,749	6,087	6,823	5,033	5,875	6,543	5,626	5,179	69,699	61,359
High School Solar Grid Connect	15,209	29,328	15,524	19,098	17,034	21,228	20,001	21,369	21,851	21,950	19,498	19,852	249,206	197,405
Solar PV Generation Total (kWh)	19,814	35,303	22,340	25,727	23,783	27,315	26,824	26,402	27,726	28,493	25,124	25,031	318,905	258,764
Total Generation (kWh)	1,467,018	1,451,201	1,519,270	1,447,320	1,451,890	1,419,536	1,290,507	1,426,566	1,442,047	1,529,633	1,414,079	1,458,882	17,441,330	14,399,729
Maximum Demand (kW)	2,808	2,851	2,906	2,943	2,829	2,622	2,644	2,752	2,936	2,882	2,893	2,789	2,941	2,943
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)	16,422	5,009	12,142	10,845	10,472	12,039	12,305	13,735	13,955	12,906	13,189	14,415	153,619	126,003
Running Hours														
DG1 - GE 1.8	611	482	545	499	652	391	417	563	408	415	459	620	7,588	4,969
DG2 - GE 1.8	711	705	622	705	680	654	476	512	489	701	710	706	4,073	6,255
DG3 - CAT 1.6	2	0	7	0	0	0	188	179	263	44	3	3	2	687
DG4 - CAT 1.3	3	0	0	0	0	0	0	0	0	0	0	0	2,064	0
DG5 - CAT 1.3	87	302	253	182	56	330	190	229	257	302	219	63	2,960	2,081
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,414	1,489	1,427	1,386	1,388	1,375	1,271	1,483	1,417	1,462	1,391	1,392	16,687	13,992

Power Table 3 Fuel & Lube Oil Statistics – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	41,289	30,252	39,939	35,076	44,685	25,803	30,014	34,166	38,892	30,358	31,330	42,152	571,208	352,415
DG2 - GE 1.8	51,936	51,437	46,617	52,498	48,718	51,088	37,158	40,895	37,254	52,747	50,955	51,311	297,646	469,241
DG3 - CAT 1.6	51	0	450	0	0	0	10,400	9,813	9,352	5,705	636	70	51	36,426
DG4 - CAT 1.3	35	0	0	0	0	20	0	0	0	0	0	0	114,582	20
DG5 - CAT 1.3	3,985	13,604	13,616	7,960	2,905	16,493	9,341	10,339	11,661	12,800	11,086	3,059	159,700	99,260
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	97,296	95,293	100,623	95,533	96,308	93,404	86,913	95,213	97,160	101,610	94,006	96,592	1,143,186	957,362
Average Fuel Price (\$/Gallon)	3.50	3.52	3.62	3.63	3.37	3.03	3.00	3.13	3.17	3.27	3.27	3.13	3.33	3.27
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	198	0	0	265	0	0	0	265	0	0	0	265	1,258	795
DG2 - GE 1.8	105	265	0	265	0	0	265	0	265	0	0	265	823	1,060
DG3 - CAT 1.6	0	0	0	0	0	0	0	95	95	0	0	0	0	190
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	25	0
DG5 - CAT 1.3	0	95	0	0	0	0	95	0	95	0	0	0	109	190
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	303	360	0	530	0	0	360	360	455	0	0	530	2,215	2,235
Oil Change Log(75 Gal/Change)														
DG1 - GE 1.8	265	160	141	95	155	125	102	156	198	142	133	213	1,142	1,460
DG2 - GE 1.8	0	119	118	111	149	127	77	128	128	130	151	173	568	1,292
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	9	0	0	0	9
DG4 - CAT 1.3	0	0	0	0	0	6	0	0	0	0	0	0	190	6
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	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)	265	279	259	206	304	258	179	284	326	281	284	386	2,355	2,767

Power Table 4 Distribution Feeder Statistics - August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	2018 YTD	2019 YTD
Feeder 1 Load	388,731	387,602	393,189	378,169	368,423	363,908	332,213	362,910	370,578	392,382	372,240	369,423	4,606,622	3,703,435
Feeder 2 Load	115,156	122,494	128,796	123,570	125,549	119,343	108,647	120,877	121,341	131,055	115,761	121,066	1,455,155	1,216,005
Feeder 3 Load	430,116	422,751	454,583	435,762	439,710	425,879	378,375	369,016	371,308	451,818	425,513	444,707	5,114,975	4,196,671
Feeder 4 Load	348,312	345,868	363,327	332,911	343,791	333,549	298,559	332,632	333,833	362,263	335,313	328,664	4,464,146	3,364,841
Feeder 5 Load	163,289	162,895	161,436	160,928	157,982	160,330	155,694	221,772	225,408	173,178	146,374	174,880	1,588,184	1,737,982
Total Feeder Load (kWh)	1,445,604	1,441,610	1,501,331	1,431,340	1,435,455	1,403,009	1,273,488	1,407,207	1,422,468	1,510,696	1,395,201	1,438,740	17,229,082	14,218,934
													0	0
Feeder 1 Sales	327,785	320,046	346,801	316,668	343,035	310,536	286,347	309,811	329,490	339,789	324,497	316,825	3,961,355	3,223,799
Feeder 2 Sales	97,025	103,912	95,219	103,615	109,677	92,743	90,199	108,059	102,802	103,369	100,886	95,926	1,170,347	1,002,495
Feeder 3 Sales	347,271	381,846	371,324	362,552	341,229	377,205	333,026	349,196	371,166	383,050	351,041	378,385	4,399,688	3,618,174
Feeder 4 Sales	336,350	316,697	322,152	300,896	299,126	309,193	276,496	301,636	312,730	333,010	312,561	309,279	3,766,831	3,077,079
Feeder 5 Sales	135,897	142,532	129,824	138,109	120,489	141,257	117,478	126,995	139,094	138,207	132,854	165,865	1,260,670	1,350,172
Total Feeder Sales (kWh)	1,244,328	1,265,033	1,265,320	1,221,840	1,213,555	1,230,934	1,103,546	1,195,698	1,255,282	1,297,424	1,221,840	1,266,279	14,558,891	12,271,719
Feeder 1 Loss - kWh	60,946	67,556	46,388	61,501	25,388	53,372	45,866	53,099	41,088	52,593	47,743	52,598	645,267	479,636
Feeder 2 Loss - kWh	18,131	18,582	33,577	19,955	15,872	26,600	18,448	12,818	18,539	27,686	14,875	25,140	284,808	213,510
Feeder 3 Loss - kWh	82,845	40,905	83,259	73,210	98,481	48,674	45,349	19,820	142	68,768	74,472	66,322	715,287	578,497
Feeder 4 Loss - kWh	11,962	29,171	41,174	32,015	44,665	24,356	22,063	30,995	21,103	29,254	22,751	19,385	697,315	287,762
Feeder 5 Loss - kWh	27,392	20,363	31,612	22,819	37,493	19,073	38,216	94,777	86,314	34,971	13,520	9,015	327,514	387,810
Total Feeder Loss - kWh	201,276	176,577	236,010	209,500	221,900	172,075	169,941	211,508	167,186	213,272	173,360	172,461	2,670,191	1,947,215
Feeder 1 Loss - %	15.7%	17.4%	11.8%	16.3%	6.9%	14.7%	13.8%	14.6%	11.1%	13.4%	12.8%	14.2%	14.0%	13.0%
Feeder 2 Loss - %	15.7%	15.2%	26.1%	16.1%	12.6%	22.3%	17.0%	10.6%	15.3%	21.1%	12.8%	20.8%	19.6%	17.6%
Feeder 3 Loss - %	19.3%	9.7%	18.3%	16.8%	22.4%	11.4%	12.0%	5.4%	0.0%	15.2%	17.5%	14.9%	14.0%	13.8%
Feeder 4 Loss - %	3.4%	8.4%	11.3%	9.6%	13.0%	7.3%	7.4%	9.3%	6.3%	8.1%	6.8%	5.9%	15.6%	8.6%
Feeder 5 Loss - %	16.8%	12.5%	19.6%	14.2%	23.7%	11.9%	24.5%	42.7%	38.3%	20.2%	9.2%	5.2%	20.6%	22.3%
Total Feeder Loss - %	13.9%	12.2%	15.7%	14.6%	15.5%	12.3%	13.3%	15.0%	11.8%	14.1%	12.4%	12.0%	15.5%	13.7%

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

FEEDER	kWh/Connection		
	Residential	Commercial	Government
F01	282	1,528	5,943
F02	182	2,468	137
F03	242	2,125	2,517
F04	212	3,579	2,149
F05	166	4,809	1,547
Total	217	2,902	2,459

Power Table 6 Power Distribution Statistics – July 2018 to June 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019 YTD
Number of Outages (Frequency)														
Forced - Generation	1	0	0	0	0	0	0	0	0	1	0	1	5	2
Planned - Generation	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Number of Outages (Gen)	1	0	0	0	0	0	0	0	2	1	0	1	5	4
Forced - Distribution	5	1	4	2	0	1	0	0	0	5	0	6	29	18
Feeder 1	1	0	0	0	0	0	0	0	0	1	0	1	5	2
Feeder 2	1	0	0	0	0	1	0	0	0	1	0	2	6	4
Feeder 3	1	0	0	0	0	0	0	0	0	1	0	1	5	2
Feeder 4	1	1	1	1	0	0	0	0	0	1	0	1	6	4
Feeder 5	1	0	3	1	0	0	0	0	0	1	0	1	7	6
Planned - Distribution	0	1	0	0	0	0	0	0	10	0	0	0	10	10
Feeder 1	0	0	0	0	0	0	0	0	2	0	0	0	2	2
Feeder 2	0	1	0	0	0	0	0	0	2	0	0	0	6	2
Feeder 3	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Feeder 4	0	0	0	0	0	0	0	0	2	0	0	0	2	2
Feeder 5	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Total Number of Outages (Dist)	5	2	4	2	0	1	0	0	10	5	0	6	39	28

Power Table 7 Power Outage Statistics – August 2018 to July 2019

	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	FY2018	FY2019 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.3	0.4
Planned - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Total Duration Gen Outage (Hrs)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.3	0.4
Forced - Distribution	0.3	1.1	2.0	2.5	0.0	1.1	0.0	0.0	0.0	1.6	0.0	2.7	40.3	9.8
Feeder 1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.5	0.4
Feeder 2	0.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.3	0.0	2.4	7.9	3.8
Feeder 3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	1.0	0.4
Feeder 4	0.1	1.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	1.6	0.8
Feeder 5	0.1	0.0	1.9	2.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	29.3	4.5
Planned - Distribution	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	39.8	0.3
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	9.1	0.1
Feeder 2	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	27.4	0.1
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Feeder 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	3.3	0.1
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Total Duration Dist Outage (Hrs)	0.3	6.1	2.0	2.5	0.0	1.1	0.0	0.0	0.3	1.6	0.0	2.7	80.1	10.1

Water Table 1 Water Production & Sales Data Statistics – August 2018 to July 2019

COMPANY WIDE DATA	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	FY2019
Water Production (Gallons)													
WTP Production	833,100	580,100	1,727,500	2,053,700	1,900,500	824,300	0	13,300	800	8,500	365,400	422,700	7,316,700
Pink Apartment Volume start of Month	450,300	518,700	518,700	581,400	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	5,756,100
Pink Apartment Volume end of Month	518,700	518,700	581,400	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	582,000	5,819,400
Pink Apartment Vol in to Supply/(Storage)	-68,400	0	-62,700	-600	0	0	0	0	0	0	0	0	-63,300
Tankered volume for billing	12,000	12,000	0	0				113,300	113,400				226,700
Well Production (into supply)	22,322,700	21,873,000	21,656,400	23,599,000	22,162,684	21,498,700	16,480,600	19,887,600	19,183,200	16,238,900	17,152,000	17,991,200	195,850,284
Volume into network	23,075,400	22,441,100	23,321,200	25,652,100	24,063,184	22,323,000	16,480,600	19,787,600	19,070,600	16,247,400	17,517,400	18,413,900	202,876,984
Water Volume (Billed)													
Commercial	1,702,780	1,651,810	1,667,764	2,141,584	1,759,840	1,535,470	1,619,430	2,538,480	2,025,220	2,081,700	2,796,980	2,648,668	20,815,137
Government (excludes hospital)	293,630	385,370	471,488	431,839	626,300	446,046	435,389	874,404	0	620,021	756,715	950,953	5,613,155
Government Hospital	715,600	650,600	679,500	598,200	643,300	546,400	896,100	242,900	1,197,200	917,200	1,315,500	1,102,200	8,138,500
Residential	3,898,610	3,696,910	3,838,110	2,986,070	4,364,060	2,846,350	2,531,840	4,100,542	3,932,696	3,565,580	4,328,972	3,969,710	36,463,930
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	6,610,620	6,384,690	6,656,862	6,157,693	7,393,500	5,374,266	5,482,759	7,756,326	7,155,116	7,184,501	9,198,167	8,671,531	71,030,722
NRW													
Volume	16,464,780	16,056,410	16,664,338	19,494,407	16,669,684	16,948,734	10,997,841	12,031,274	11,915,484	9,062,899	8,319,233	9,742,369	131,846,262
Percentage	71.4%	71.5%	71.5%	76.0%	69.3%	75.9%	66.7%	60.8%	62.5%	55.8%	47.5%	52.9%	65.0%
Invoiced Water Value													
Water Delivery and Bunkering													0
Commercial	\$9,958	\$10,159	\$9,438	\$10,685	\$11,474	\$8,378	\$8,223	\$12,287	\$10,538	\$11,088	\$13,812	\$12,413	108,337
Government (includes hospital)	\$4,419	\$4,452	\$5,708	\$4,836	\$6,314	\$4,945	\$6,628	\$5,740	\$10,312	\$8,252	\$11,075	\$10,159	73,968
Residential	\$9,538	\$8,745	\$9,409	\$8,480	\$11,186	\$7,051	\$7,096	\$10,963	\$10,022	\$8,799	\$11,163	\$11,034	\$95,201
Total	\$23,915	\$23,356	\$24,554	\$24,000	\$28,974	\$20,374	\$21,947	\$28,990	\$30,871	\$28,139	\$36,051	\$33,606	\$277,507
Sewer Charges													
Commercial	\$3,442	\$3,342	\$3,068	\$4,538	\$3,526	\$3,296	\$3,407	\$5,719	\$4,629	\$4,900	\$6,551	\$5,885	\$45,519
Commercial - w/o water	\$3,705	\$3,705	\$3,685	\$3,685	\$3,685	\$3,685	\$2,652	\$2,447	\$2,447	\$2,447	\$2,447	\$2,447	\$29,627
Government	\$2,405	\$2,380	\$2,739	\$2,295	\$3,015	\$2,341	\$3,193	\$2,621	\$4,903	\$3,888	\$5,212	\$4,737	\$34,944
Residential	\$733	\$630	\$642	\$693	\$1,005	\$533	\$532	\$917	\$864	\$698	\$929	\$891	\$7,704
Residential w/o water	\$2,089	\$2,076	\$2,070	\$2,060	\$1,990	\$1,990	\$2,040	\$2,064	\$2,036	\$1,940	\$1,940	\$1,920	\$20,050
Total	\$12,375	\$12,133	\$12,204	\$13,271	\$13,221	\$11,845	\$11,823	\$13,769	\$14,878	\$13,873	\$17,080	\$15,879	\$137,844

Water Table 2 Water/Sewer Connection Data – August 2018 to July 2019

COMPANY WIDE DATA	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	FY2019
Water Connection Data (No. of Connections)	470	473	481	481	478	479	479	444	447	468	479	485	485
Commercial - Billed	78	79	76	77	76	76	77	72	73	78	83	81	81
Commercial - Disconnected	5	5	8	8	8	8	0	0	0	0	0	0	0
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	21,831	20,909	21,944	27,813	23,156	20,204	21,032	35,257	27,743	26,688	33,699	32,700	256,977
Government - Billed	16	15	18	18	14	18	16	18	19	19	19	21	21
Government - Disconnected	8	8	7	7	7	7	1	1	1	1	1	1	1
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	18,352	25,691	26,194	23,991	44,736	24,780	27,212	48,578	0	32,633	39,827	45,283	267,293
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	715,600	650,600	679,500	598,200	643,300	546,400	896,100	242,900	1,197,200	917,200	1,315,500	1,102,200	8,138,500
Residential - Billed	375	378	386	385	387	384	385	353	354	370	376	382	382
Residential - Disconnected	96	96	104	104	104	104	5	4	4	3	3	3	3
Residential - Meter Pulled	93	93	93	93	93	93	4	2	2	2	3	0	0
Residential Avge Consumption - Gall/conn/mth	10,396	9,780	9,943	7,756	11,277	7,412	6,576	11,616	11,109	9,637	11,513	10,392	95,455
Sewer Connection Data (No. of Connections)	505	490	505	508	483	518	501	480	462	491	489	490	490
Commercial Billed	43	40	42	47	39	44	42	40	42	47	46	46	46
Commercial Billed w/o water	54	54	54	54	54	54	54	43	41	43	43	43	43
Government Billed	15	14	17	16	13	17	15	17	18	19	18	20	20
Residential Billed	190	181	193	189	180	206	194	182	181	189	189	190	190
Residential Billed w/o water	203	201	199	202	197	197	196	198	180	193	193	191	191
STP Inflow (MG/month)	13.0	22.1	24.8	14.4	12.1	13.0	12.0	12.5	13.0	12.5	13.0	13.0	140
SEWER OVERFLOW W/O's													
North Zone	2	1	1	2	1	1	1	1	2	1	1	1	12
South Zone	1	1	1	1	1	1	2	1	1	1	1	2	12

Water Table 3 Zonal Water Use Statistics – FY2019

ZONAL NRW - July 2019					ZONAL NRW - FY2019 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	48,000	20,508	27,492	57%	1	5,075,500	560,601	4,514,899	89%
2	14,953,300	6,075,828	8,877,472	59%	2	157,396,700	50,159,037	107,237,663	68%
3	0	0	0	#DIV/0!	3	5,078,884	189,540	4,889,344	96%
4	759,400	251,210	508,190	67%	4	8,566,500	2,016,560	6,549,940	76%
5	0	0	0	#DIV/0!	5	120,000	0	120,000	100%
6	1,928,500	1,890,490	38,010	2%	6	21,555,400	14,521,920	7,033,480	33%
7	100,000	13,960	86,040	86%	7	632,000	1,430,500	-798,500	-126%
8	624,700	419,543	205,157	33%	8	5,340,600	2,872,848	2,467,752	46%
Total	18,413,900	8,671,539	9,742,361	52.9%	Total	203,765,584	71,751,006	132,014,578	64.8%
ZONAL WATER CONSUMPTION - July 2019					ZONAL WATER CONSUMPTION - FY2019 YTD				
Zone	Average Use - Gallons/Connection/Month				Zone	Average Use - Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	0	0	-	2,563	1	0	0	-	67,775
2	35,013	40,203	-	9,409	2	273,090	286,709	-	83,984
3	0	0	-	0	3	39,000	0	-	0
4	0	0	-	17,944	4	0	0	-	144,040
5	0	0	-	0	5	0	0	-	0
6	9,215	0	1,102,200	485	6	89,852	0	8,138,500	146,108
7	0	0	-	1,994	7	0	0	-	204,357
8	0	61,543	-	10,942	8	0	349,202	-	109,976
Total	44,228	101,745	1,102,200	43,337	Total	256,977	267,293	8,138,500	95,455

Work Order Summary – End July 2019

Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	5	0	0	0	1	4
INTERNAL POWER	0	0	0	0	0	0
INTERNAL SEWER	0	0	0	0	0	0
INTERNAL WATER	0	0	0	0	0	0
POWER	13	7	7	0	0	20
REVENUE	31	12	12	0	13	30
SEWER	17	13	20	0	12	18
WATER	228	159	164	0	116	271
TOTAL ALL WORK ORDERS	294	191	203		142	343
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and	WO Outstanding At End		
INTERNAL MAINTENANCE	1.7%	0.0%	-	1.2%		
INTERNAL POWER	0.0%	0.0%	-	0.0%		
INTERNAL SEWER	0.0%	0.0%	-	0.0%		
INTERNAL WATER	0.0%	0.0%	-	0.0%		
POWER	4.4%	3.7%	0.0%	5.8%		
REVENUE	10.5%	6.3%	30.2%	8.7%		
SEWER	5.8%	6.8%	40.0%	5.2%		
WATER	77.6%	83.2%	30.0%	79.0%		
TOTAL ALL WORK ORDERS			29.3%			

Administration Table 1 H&S Statistics – July 2019



HEALTH & SAFETY REPORT: FY2019 - July 2019

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	July 2019						YEAR TO DATE - FY2019					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	20	3,806	0	0	0	0	0	27,445	0	0	0	0	0
Maintenance	5	948	0	0	0	0	0	9,164	0	0	0	0	0
Power Distribution - Line	23	3,850	0	0	0	0	0	33,217	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	7,118	0	0	0	0	0
Water & Sewer	27	5,093	0	0	0	0	0	36,539	0	0	0	0	0
Water & Sewer Contractors	0	0	0	0	0	0	0	5,353	0	0	0	0	0
Fin, Admin, Cust Care	19	2,744	0	0	0	0	0	25,979	0	0	0	0	0
Tonoas Contractors	7	1,140	0	0	0	0	0	1,140	0	0	0	0	0
TOTAL	101	17,581	0	0	0	0	0	145,954	0	0	0	0	0

FA - Number of First Aid cases

Total Hours Without Incident: - Whole Company

820,290

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	July 2019		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	20	77	0	77
Maintenance	5	9	0	9
Power Distribution - Line	23	167	0	167
Power Distribution - Contractors	0	0	0	0
Water & Sewer	27	113	0	113
Water & Sewer Contractors	0	0	0	0
Fin, Admin, Cust Care	19	182	0	182
Tonoas Contractors	7	0	0	0
TOTAL	94	547	0	547

Year To Date FY2019		
Total Hours Sick	Accident Related	Poor Health
921	0	921
196	0	196
1,178	0	1,178
16	0	16
1,071	0	1,071
64	0	64
1,787	0	1,787
0	0	0
5,234	0	5,234

Sick Hours as Percentage of Total Hours Worked	3.1%	0.0%	3.1%
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3.6%	0.0%	3.6%
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DEPARTMENT	Number of Staff	July 2019		
		Sick Hours as Percentage of Total Hours Worked	Accident Related	Poor Health
Power Generation	20	2.0%	0.0%	2.0%
Maintenance	5	0.9%	0.0%	0.9%
Power Distribution - Line	23	4.3%	0.0%	4.3%
Power Distribution - Contractors	0	-	-	-
Water & Sewer	27	0.0%	0.0%	0.0%
Water & Sewer Contractors	0	-	-	-
Fin, Admin, Cust Care	19	6.6%	0.0%	6.6%
Tonoas Contractors	7	0.0%	0.0%	0.0%
TOTAL	94	3.1%	0.0%	3.1%

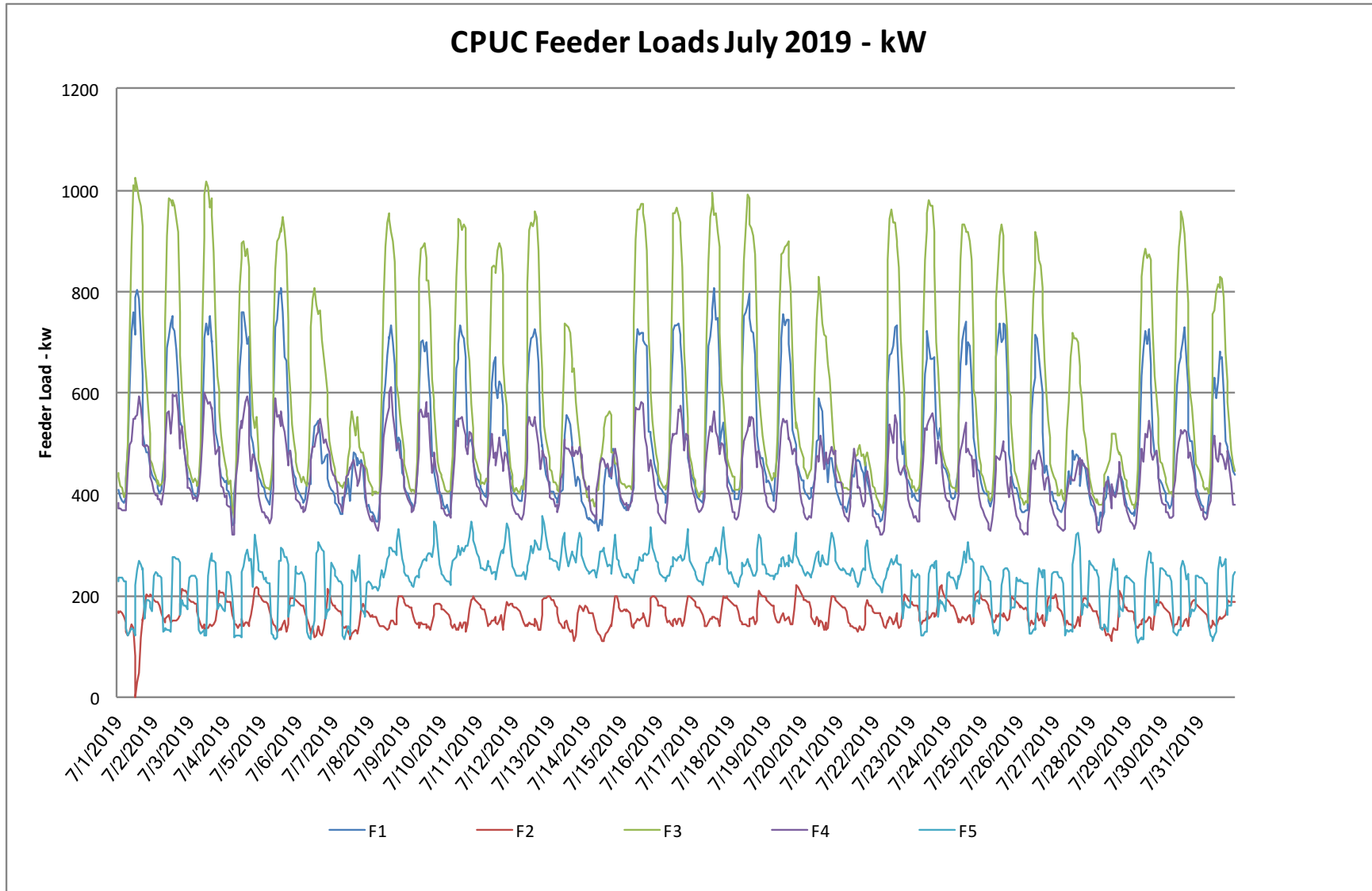
Administration Table 2 Attendance Summary - July 2019 & FY 2019

DEPARTMENT	July 2019								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 claimed
		Regular	Overtime						Regular	Overtime						
Power Generation	20	3,479	327	0	77	281	4,164	69	25,428	2,017	324	921	1,216	29,906	538	3.1%
Maintenance	5	884	64	0	9	6	963	0	8,634	530	269	196	352	9,981	19	2.0%
Power Distribution - Line	23	3,619	231	0	167	248	4,264	24	31,081	2,136	1,174	1,178	2,271	37,840	260	3.1%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	7,113	5	0	16	8	7,142	0	0.2%
Water & Sewer	27	4,587	507	0	113	145	5,351	7	32,506	4,032	773	1,071	1,368	39,751	423	2.7%
Water & Sewer Contractors	0	0	0	0	0	0	0	0	5,353	0	165	64	0	5,582	0	1.1%
Fin, Admin, Cust Care	19	2,546	198	0	182	210	3,136	30	24,359	1,620	854	1,787	2,685	31,307	121	5.7%
Tonoas Contractors	7	1,140	0	0	0	0	1,140	17	1,140	0	0	0	0	1,140	17	0.0%
TOTAL EMPLOYEES	101	16,255	1,326	0	547	890	19,018	147	135,614	10,340	3,559	5,234	7,901	161,508	1,361	3.2%
REGULAR STAFF	94	15,116	1,326	0	547	890	17,878	129	122,009	10,335	3,394	5,154	7,893	148,784	1,361	
Hours as % of Total Hours Claimed		84.5%	7.4%	0.0%	3.1%	5.0%		0.7%	82.0%	6.9%	2.3%	3.5%	5.3%		0.9%	
CONTRACT STAFF	0	0	0	0	0	0	0	0	12,466	5	165	80	8	12,724	0	
Hours as % of Total Hours Claimed		-	-	-	-	-	-	-	98.0%	0.0%	1.3%	0.6%	0.1%		0.0%	

CAPEX Table 1 Capex Summary Sheet - July 2019

Chuuk Public Utility Corporation Capex Summary Sheet as of July 31, 2019								
	A	B	C	D (B-C)	E (A-B)	F	(A+A1-F)	G (F-C)
	Total Value	Commitment	Expended	Commitment Balance	Uncommitted	Cash Drawdown	OIA Balance	Cash Balance
FY 2018 Professional management - D18AF00029	266,298	266,298	266,298	0	0	266,298	0	0
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	364,067	366,709	-2,642	385,933	415,000	335,000	48,291
FY 2019 Professional management - D19AF0008	204,400	204,400	92,989	111,411	0	0	204,400	-92,989
Total	1,016,298	834,765	725,996	108,769	385,933	681,298	539,400	-44,698

Graph Showing Feeder Loads in kW - July 2019



Graph Showing Generation Output in kW - July 2019

