

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2018 – September 2018



Issued: 16 October 2018

Table of Contents

EXECUTIVE SUMMARY	3
1 FINANCIAL PERFORMANCE GRAPHS	4
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS	6
3 WATER PERFORMANCE GRAPHS	8
Financial Table1 P & L Statement – FY2018.....	9
Financial Table 2 Cash Flow and A/R Report – FY2018	10
Financial Table 3 Power Sales Report – FY2018.....	11
Financial Table 4 Water Sales Report – FY2018	12
Financial Table 5 Key Performance Indicators – FY2018.....	13
Power Table 1 Power Operation Indicators – FY 2018.....	14
Power Table 2 Power Generation Statistics – FY 2018.....	15
Power Table 3 Fuel & Lube Oil Statistics – FY 2018	16
Power Table 4 Distribution Feeder Statistics FY2018.....	17
Power Table 5 Customer Energy Use By Category and By Feeder – September 2018.....	17
Power Table 6 Power Distribution Statistics – FY2018.....	18
Power Table 7 Power Outage Statistics – FY 2018	18
Water Table 1 Water Production & Sales Data Statistics – FY 2018.....	19
Water Table 2 Water/Sewer Connection Data – FY 2018	20
Water Table 3 Zonal Water Use Statistics – FY2018	21
Work Order Summary – End September 2018.....	22
Administration Table 1 H&S Statistics – September 2018 & FY 2018	23
Administration Table 2 Attendance Summary – September 2018 & FY 2018	24
CAPEX Table 1 Capex Summary Sheet – September 2018	25
Graph Showing Feeder Loads in kW – September 2018	26
Graph Showing Generation Output in kW – September 2018	27

EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Sep-18	FY2018	US\$/kWh Sold		US\$/kWh generated	
			Sep-18	FY2018	Sep-18	FY2018
Revenue	700,789	7,586,642	0.552	0.515	0.483	0.435
Variable Costs	344,634	3,915,743	0.271	0.266	0.237	0.225
Fixed Costs	176,754	2,393,119	0.139	0.163	0.122	0.137
Total Expenses	521,388	6,308,862	0.410	0.428	0.359	0.362
Operating result	179,401	1,277,780	0.141	0.087	0.124	0.073
		kWh				
Power generation	1,451,201	17,441,330				
Diesel	1,415,898	17,122,425				
Solar	35,303	318,905				
Solar PV as % of Total Generation	2.4%	1.8%				
Avoided Cost of Fuel - US\$	8,373	70,922				
Tons of CO2 Avoided	24.0	141.4				
					Sales	
Government Sales	203,609	2,631,309	Feeder	Conns	Sep-18	FY2018
Commercial Sales	685,459	7,697,085	F1	466	320,046	3,641,310
Residential Sales	302,665	3,523,893	F2	457	103,912	1,066,435
Intercompany Sales	62,232	835,959	F3	376	381,846	4,017,841
Sales Accrual	16,509	35,099	F4	374	316,697	3,450,134
Total Sales	1,270,474	14,723,346	F5	481	142,532	1,118,138
Power Loss	12.5%	15.6%	Total	2,155	1,265,033	13,293,858
Operating ratio	0.74	0.83	NB - Error on Total and Feeder sales YTD is <1.0%;			
			13,148 kWh station use is not included			
Water Produced - Gallons	22,441,100	263,438,700				
Water Sold - Gallons	6,354,690	75,381,540				
Non Revenue Water	71.7%	71.4%				

Daily generated output in September was 48,373 kWh/day; 2.2% higher than August. Average daily sales were 42,349 kWh/day; 4.0% higher than August. Total power loss was 12.5% (power loss for FY2018 is 15.6%).

Power loss per feeder is shown in Power Table 5. Support into the investigation into the accuracy of the 16 CT Meters will be provided in October by Electrical Specialist.

Average fuel efficiency for FY2018 was 15.1 kWh/gallon.

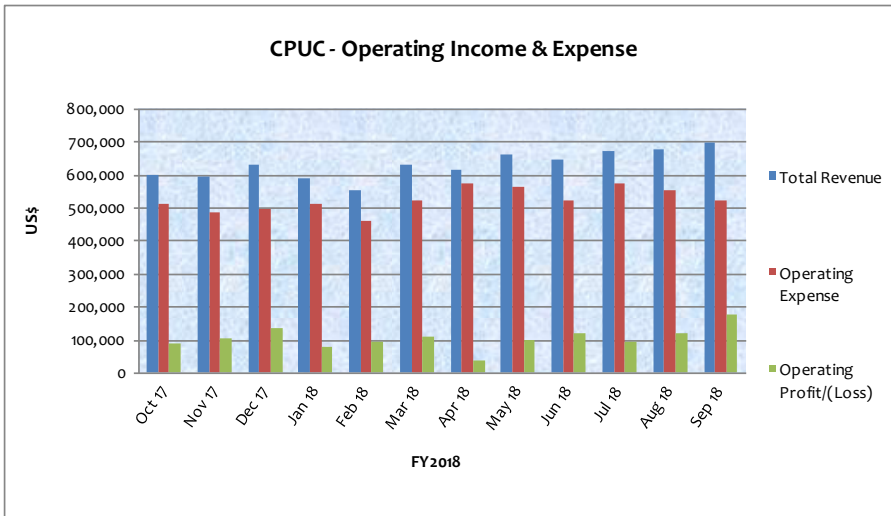
The split of power users for total sales throughput FY2018 was as follows:

Government – 16.0%; Commercial – 54.0%; Residential – 23.8%; Intercompany 4.9%; Accrual 1.3%;

Solar PV generation in FY2018 318,905 kWh or 1.8% of total generation. The avoided cost of fuel was US\$70,992 and the amount of Carbon Dioxide avoided was 141.4 tons.

From a commercial perspective the operating result for FY2018 was US\$1,277,780 with an operating ratio of 0.83.

1 FINANCIAL PERFORMANCE GRAPHS

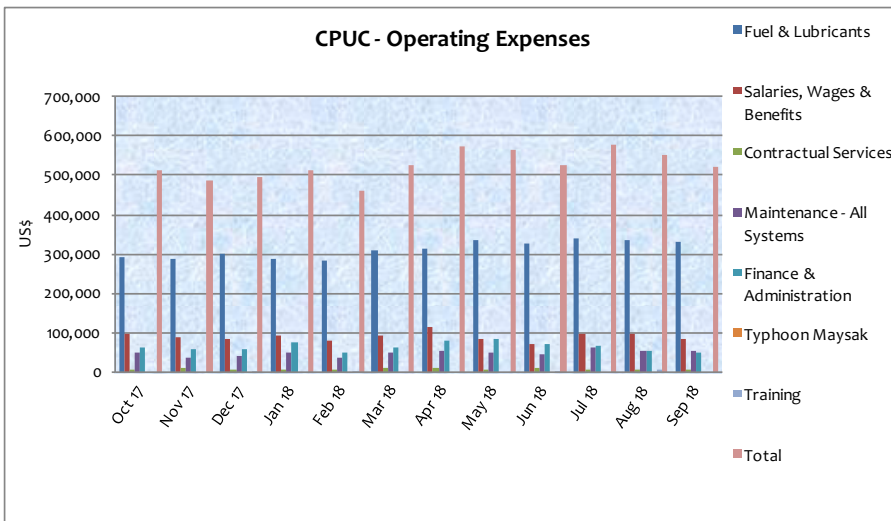


1.1 Key Points:

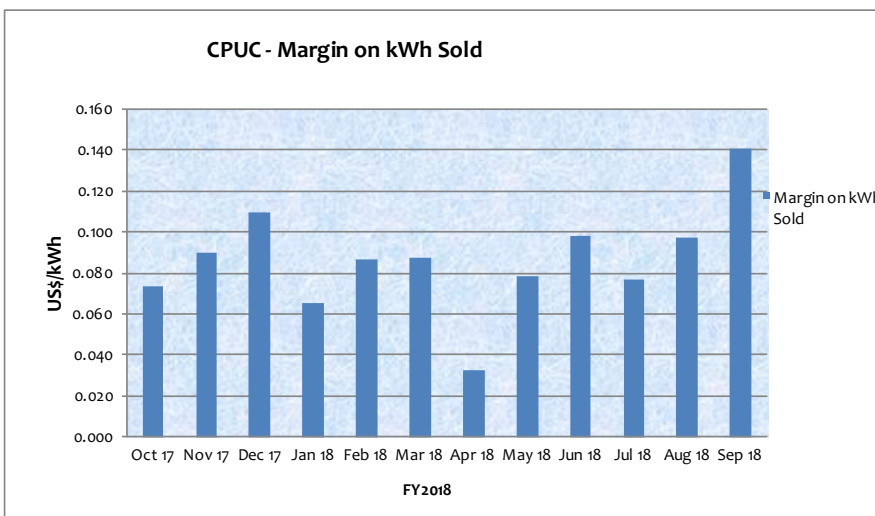
FY2018 Operating income before Depreciation & Interest :

FY2018 US\$1,277,780

Operating ratio: YTD 0.83;

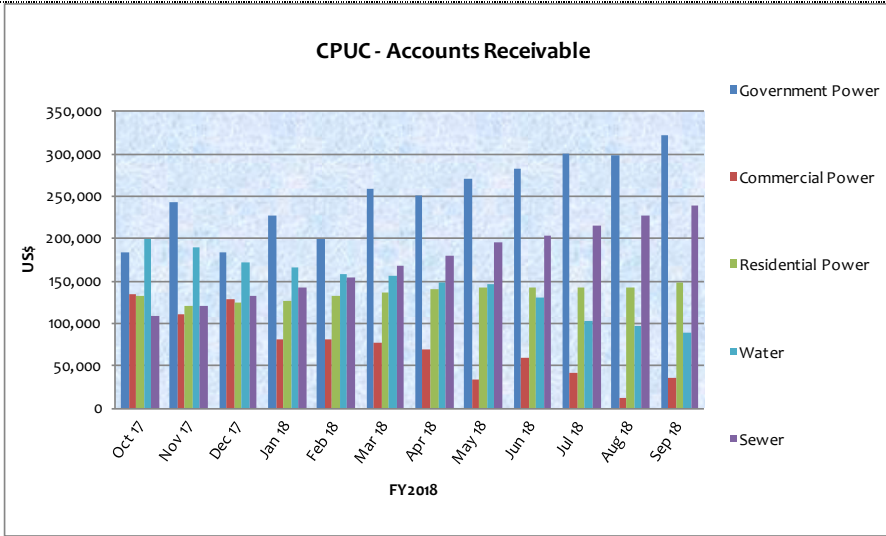


1.2 Key Points:

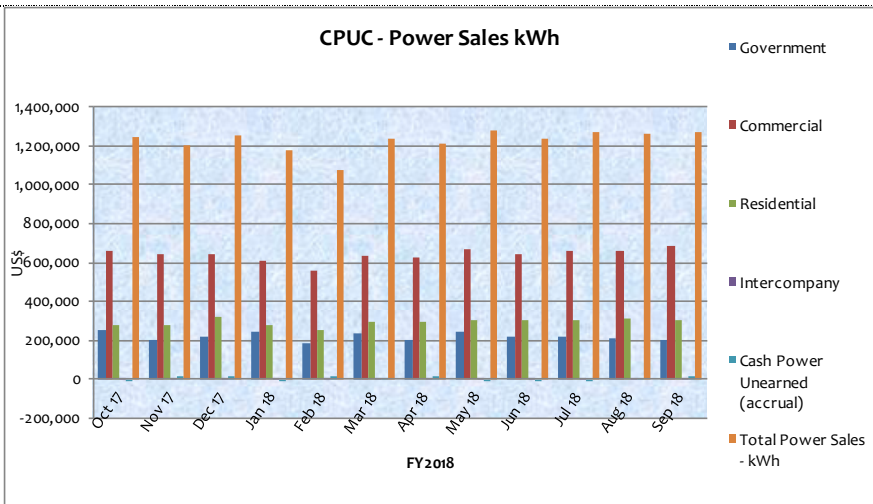


1.3 Key Points:

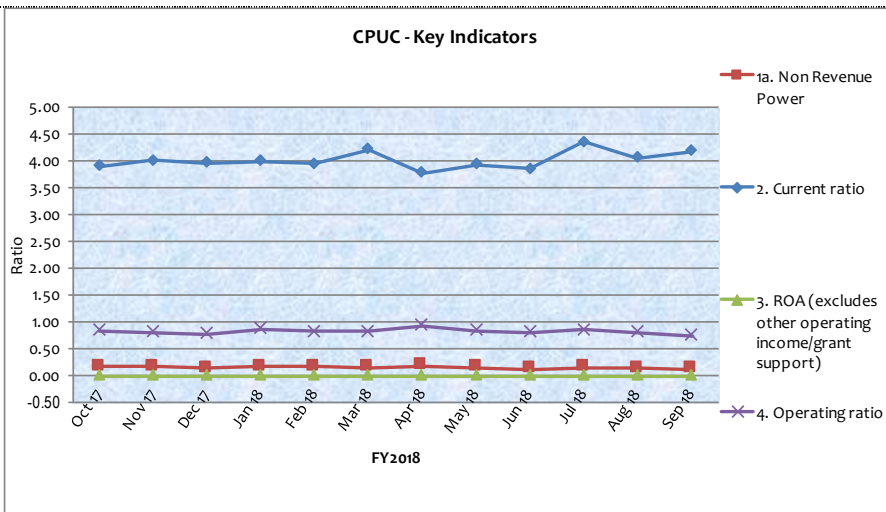
YTD US\$0.0837kWh sold.



1.4 Key Points:

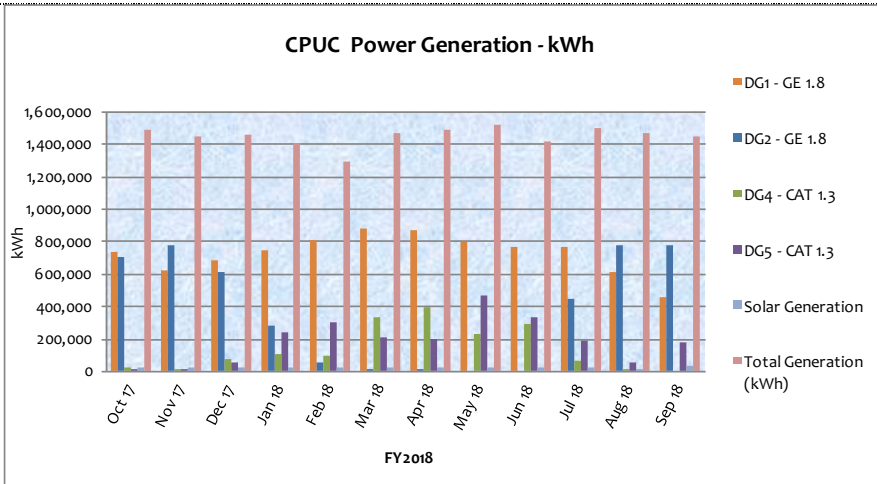


1.5 Key Points:

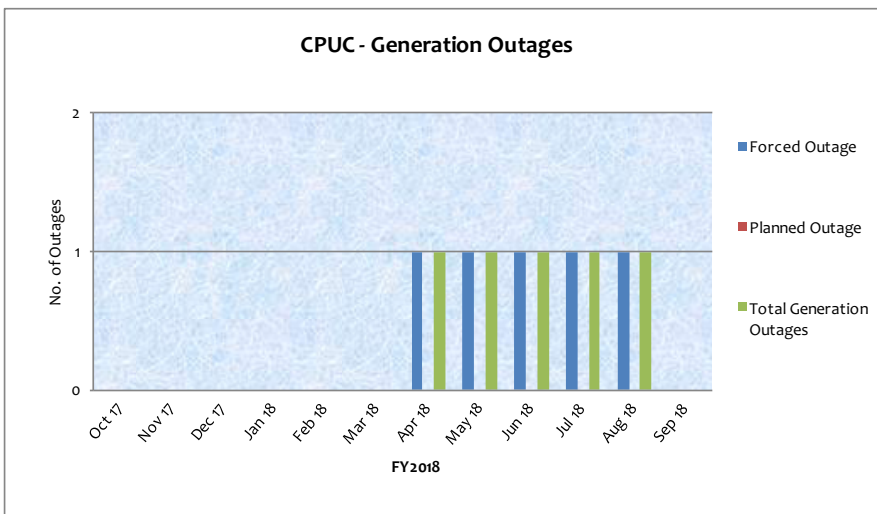


1.6 Key Points:

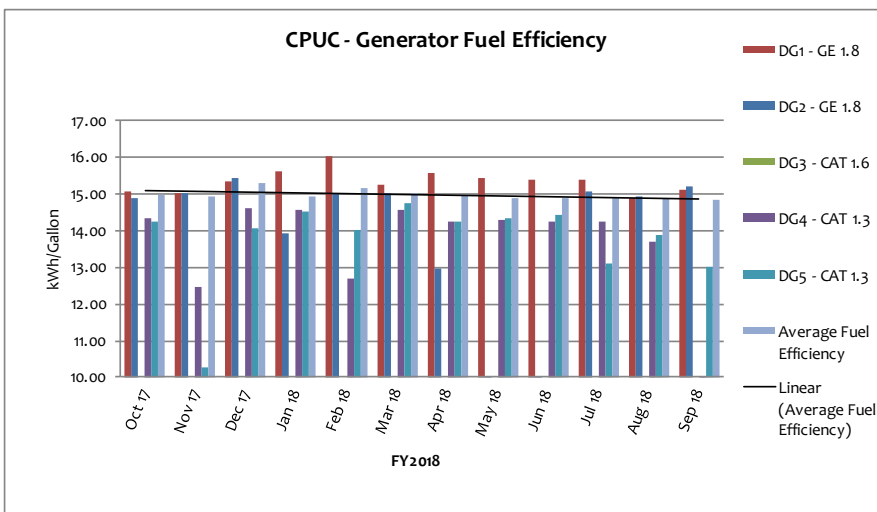
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

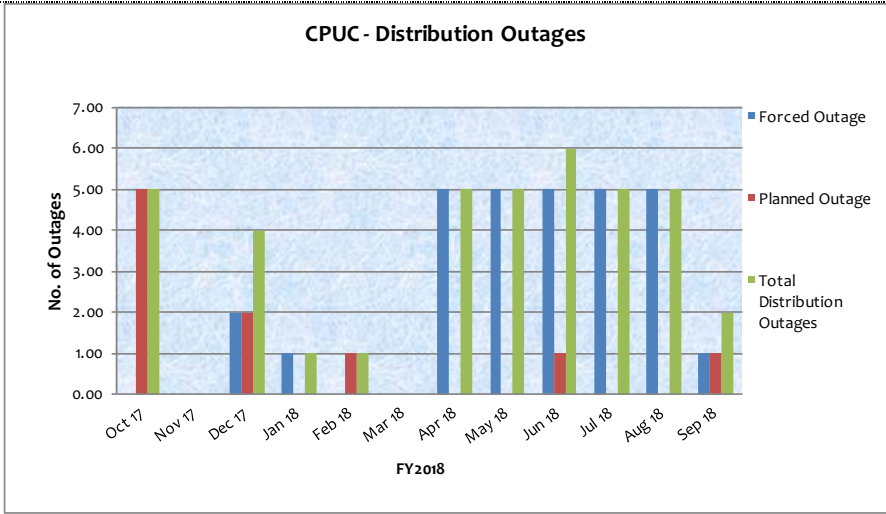


2.2 Key Points:

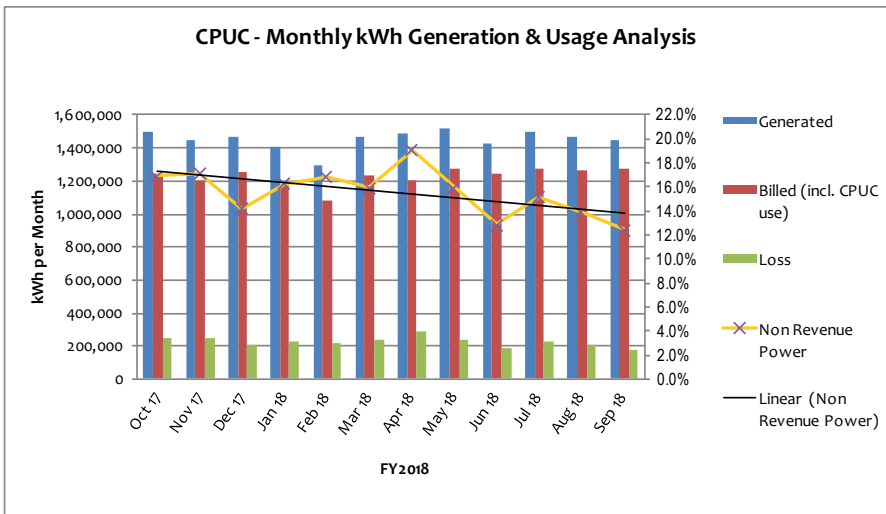


2.3 Key Points:

Avg fuel efficiency in FY2018 15.0 kWh/gall.

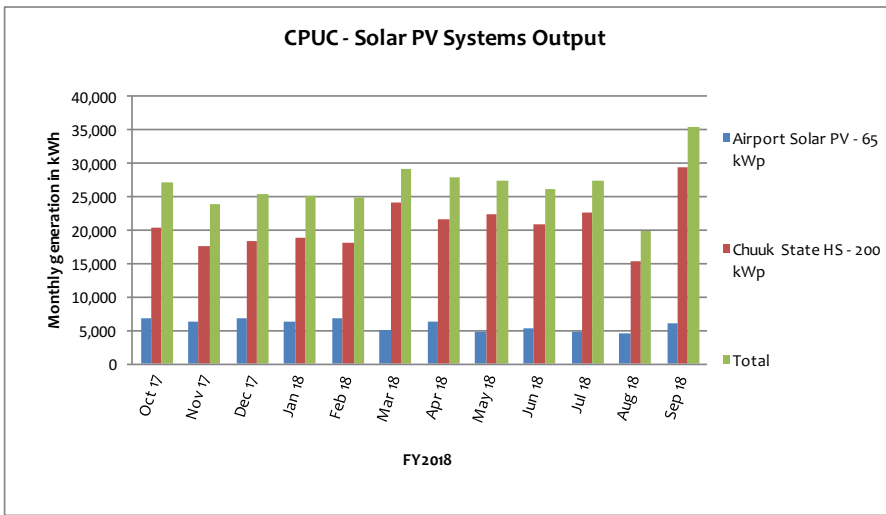


2.4 Key Points



2.5 Key Points:

Power loss for FY2018 – 15.6%;



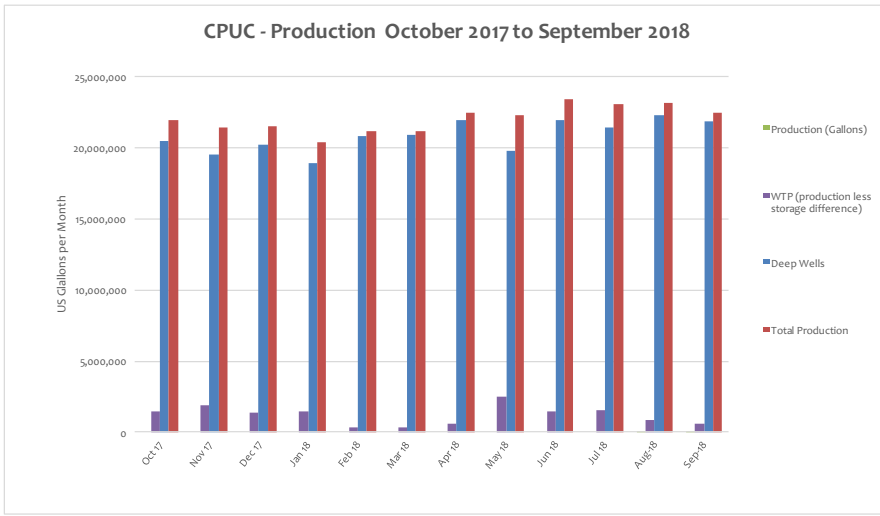
2.6 Key Points:

Solar PV accounted for 1.8% of CPUC generation in FY 2018;

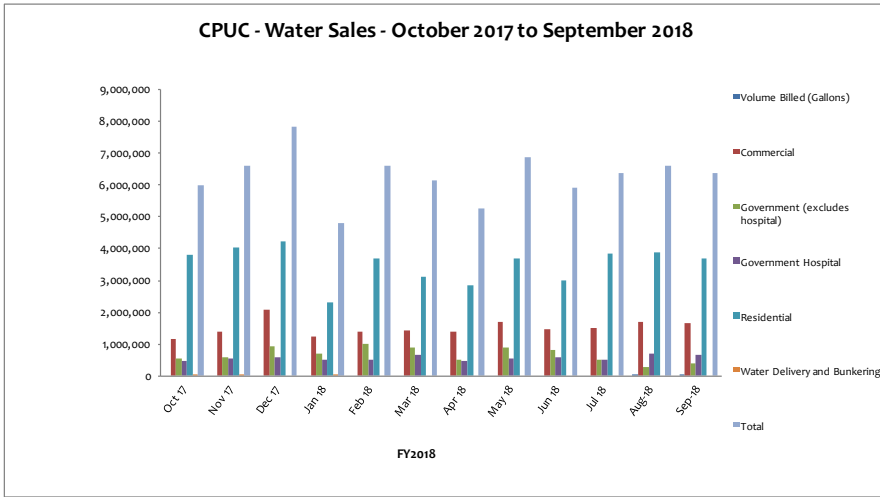
The avoided cost of fuel was: US\$70,922

Avoided Tons of CO₂ was 141.4 Tons;

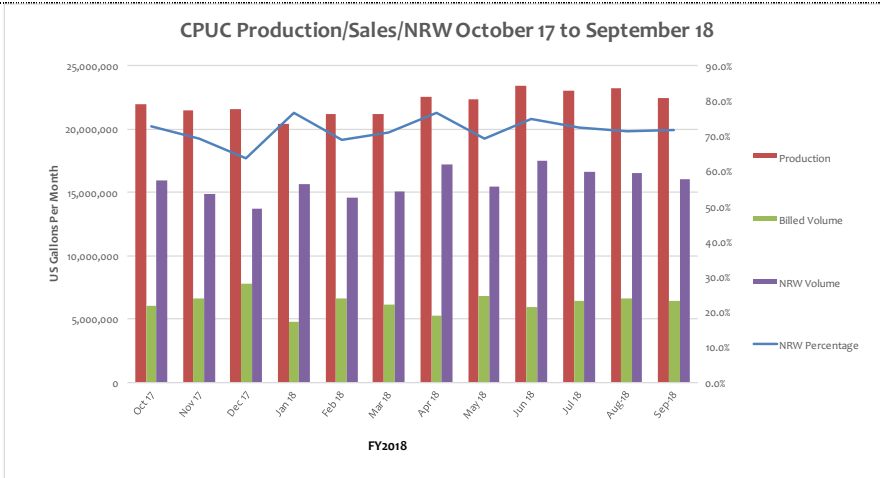
3 WATER PERFORMANCE GRAPHS



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



Key Points:



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

Financial Table1 P & L Statement – FY2018

Revenue - US\$	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	FY2018
Operating revenue:														
a. Power Sales	564,894	551,733	582,033	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	6,070,012	7,058,632
b. Water Sales	19,193	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	265,945	273,716
c. Sewer Sales	9,412	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	139,592	145,333
d. Other operating revenue	8,496	6,785	9,286	9,585	5,421	4,121	9,731	7,207	5,599	14,697	19,052	8,980	150,227	108,961
Revenue - Total	601,995	593,643	633,926	592,325	554,192	632,658	614,163	664,672	646,302	675,089	676,887	700,789	6,625,775	7,586,642
Expenses - US\$														
Fuel & Lubricants	290,043	287,127	299,209	289,899	284,789	310,514	312,850	335,161	324,799	341,204	333,944	329,402	3,054,312	3,738,941
Salaries, Wages & Benefits	99,197	89,928	84,071	93,046	78,835	92,771	114,968	85,955	71,648	97,994	96,620	82,808	997,515	1,087,840
Contractual Services	7,518	10,393	7,553	7,871	8,108	10,581	10,907	7,900	10,121	8,250	7,494	8,596	122,226	105,293
O&M - Power Generation	18,636	14,552	18,162	19,023	10,207	17,195	20,243	22,514	20,235	11,026	21,919	11,968	156,265	205,681
O&M - Power Distribution	10,374	12,181	10,071	8,129	8,437	11,671	10,618	14,031	9,940	15,741	10,603	18,625	113,700	140,422
O&M - Water	2,659	3,144	2,946	4,267	5,762	3,112	3,723	4,079	3,515	12,388	6,097	8,152	40,988	59,845
O&M - Sewer	0	0	0	0	215	367	2,901	0	0	120	0	0	5,103	3,602
Finance & Administration Overheads	49,873	47,826	45,795	62,537	38,727	49,390	69,883	70,246	58,144	52,455	39,815	34,970	632,176	619,662
Vehicle & Eq. Fuel	19,976	8,198	11,655	17,854	13,402	15,892	16,338	11,216	10,511	24,804	17,424	13,600	193,854	180,871
CPUC Power Usage (incl. in O&M from Oct 15)	12,528	12,316	13,531	12,231	11,954	12,616	12,285	13,443	15,005	13,736	14,233	13,266	144,375	157,143
Training	0	0	3,000	0	608	0	0	0	653	0	5,340	0	35,748	9,601
Expense - Total	510,804	485,666	495,993	514,857	461,045	524,109	574,716	564,544	524,571	577,718	553,489	521,388	5,496,261	6,308,899
Operating Income/(Loss)	91,192	107,977	137,934	77,468	93,147	108,550	39,447	100,128	121,731	97,371	123,398	179,401	1,129,515	1,277,743
Non-Cash Expenses - US\$														
Depreciation	122,290	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	1,177,752	1,467,491
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	73,620	68,004
Non-Cash Expense - Total - US\$	127,957	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	1,251,372	1,535,495
Income/(Loss) - excluding grant support - US\$	-36,765	-19,981	9,976	-50,490	-34,811	-19,408	-88,511	-27,830	-6,227	-30,587	-4,560	51,443	-121,857	-257,752
Non-operating Income (Grant Support) - US\$	21	324	107	98	10	115,061	89	59	89	300,139	61	64	1,714,456	416,122
Income/(Loss) - including grant support - US\$	-36,744	-19,657	10,083	-50,392	-34,801	95,653	-88,422	-27,772	-6,138	269,552	-4,498	51,507	1,592,600	158,370

Financial Table 2 Cash Flow and A/R Report – FY2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	FY2018
Cash Flow Report - US\$														
Receipts	596,695	434,000	534,819	557,546	470,120	598,123	632,467	570,529	511,773	900,095	578,614	613,681	7,813,194	6,998,463
Disbursements	561,257	431,602	656,940	673,416	461,494	538,318	516,528	712,577	692,907	974,693	497,138	490,106	7,970,778	7,206,976
Net receipts/Disbursements	35,438	2,398	-122,121	-115,870	8,626	59,805	115,940	-142,048	-181,134	-74,598	81,476	123,575	-157,584	-208,513
Cash balance (beginning)	1,287,966	1,323,404	1,325,802	1,203,681	1,087,811	1,096,437	1,156,242	1,272,182	1,130,134	949,000	923,458	1,004,934	1,445,550	1,287,966
Cash balance (end)	1,323,404	1,325,802	1,203,681	1,087,811	1,096,437	1,156,242	1,272,182	1,130,134	949,000	874,402	1,004,934	1,128,509	1,287,966	1,096,437
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)	1,321,710	1,324,109	1,201,987	1,086,117	1,094,743	1,154,549	1,270,488	1,128,440	947,306	921,765	1,003,240	1,126,815	1,286,273	1,094,743
Stocks	886,115	926,942	970,732	1,057,100	1,098,435	1,090,969	1,025,115	1,086,804	1,189,033	1,197,970	1,237,812	1,150,298	2,006,204	1,098,435
Trade Receivable	461,351	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	486,171	450,112
Prepaid Lease	288,620	287,043	285,466	311,146	309,114	307,083	305,051	303,019	300,988	298,956	296,925	294,893	290,197	309,114
Collateral with Vital Inc.	501,857	513,772	526,146	538,061	549,060	560,517	573,349	586,180	598,096	610,469	622,843	634,300	489,039	549,060
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	811,318	815,008	798,719	786,939	806,922	788,759	893,772	842,597	850,353	748,381	829,741	828,618	1,378,127	806,922
Loans Payable	4,377,078	4,377,078	4,231,945	4,227,846	4,223,747	4,219,649	4,215,550	4,259,128	4,255,029	4,106,082	4,101,983	4,097,884	4,390,849	4,223,747
Total Accounts Receivable (to date) - US\$														
Government Power	183,764	242,066	184,272	227,579	199,339	258,831	250,820	271,125	282,790	299,318	297,133	321,533	217,607	199,339
Commercial Power	134,028	110,816	128,073	81,640	80,662	76,819	70,408	34,489	59,523	40,873	12,240	35,477	146,611	80,662
Residential Power	132,028	121,589	125,025	126,099	131,743	136,012	139,601	142,737	142,930	142,003	142,954	147,884	153,188	131,743
Water	199,985	189,328	171,831	165,595	158,783	156,843	147,447	145,723	130,542	103,493	97,643	89,343	110,983	158,783
Sewer	109,171	120,447	132,391	142,656	155,150	167,883	179,386	195,206	203,048	214,338	226,663	238,500	155,406	155,150
Allowance for Doubtful	-297,625	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-297,625	-275,564
Total	461,351	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	486,171	450,112

Financial Table 3 Power Sales Report - FY2018

Power Sales Report	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	FY2018
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	70,360	67,068	69,429	72,934	63,670	75,452	73,498	73,803	74,129	73,975	69,063	73,902	727,053	857,283
Government - Pre Paid (Cash Power)	49,338	28,412	42,359	49,664	31,072	46,772	30,113	54,471	43,422	45,305	44,399	38,838	460,032	504,164
Government Streetlights	2,594	2,510	2,510	2,594	2,343	2,594	2,510	2,594	2,510	2,594	2,594	2,546	39,678	30,496
Solar	3,442	3,442	3,442	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	43,184	46,311
Government Scratchcard	84	84	158	28	74	64	56	37	0	0	0	0	1,228	584
Government Total	125,818	101,516	117,899	129,218	101,158	128,881	110,175	134,903	124,059	125,872	120,054	119,284	1,271,175	1,438,838
Commercial - Post Paid	227,246	221,506	219,702	214,872	196,741	218,890	221,133	235,177	237,304	246,223	243,928	268,635	2,444,768	2,751,357
Commercial - Pre Paid (Cashpower)	79,751	81,054	78,182	74,905	72,373	88,704	80,849	89,572	83,873	87,521	83,362	92,268	830,477	992,414
Commercial - Scratchcard	910	1,206	1,345	873	697	799	1,096	1,168	0	0	0	0	10,577	8,095
Commercial Total	307,907	303,766	299,229	290,651	269,811	308,392	303,079	325,918	321,177	333,744	327,290	360,904	3,285,822	3,751,866
Residential - Post Paid	6,431	6,359	6,378	5,689	6,252	6,848	6,335	6,637	4,005	2,302	4,511	8,061	58,708	69,808
Residential - Pre Paid (Cashpower)	106,531	110,570	126,734	111,008	101,320	120,432	119,247	124,215	129,990	134,069	136,455	133,278	1,197,919	1,453,847
Residential Scratch Card Sales	9,110	8,519	9,786	9,245	8,558	10,075	10,336	11,216	10,945	12,240	12,368	11,758	87,027	124,156
Residential Total	122,072	125,448	142,899	125,941	116,129	137,355	135,917	142,068	144,940	148,611	153,334	153,097	1,343,653	1,647,811
Trade Power Sales Total	555,797	530,730	560,027	545,809	487,098	574,628	549,171	602,888	590,176	608,227	600,678	633,285	5,900,650	6,838,516
Intercompany - CPUC Office	1,119	1,259	1,231	1,052	1,353	1,346	1,584	968	1,246	1,258	1,258	1,262	14,914	14,914
Intercompany - CPUC Power Operation	2,207	1,807	2,200	2,274	3,662	3,548	4,223	3,313	4,221	5,856	4,138	1,155	21,437	38,604
Intercompany - CPUC Water Operations	5,645	5,117	5,274	5,341	5,630	5,284	6,191	5,947	6,017	6,247	6,082	6,737	67,377	82,774
Intercompany - CPUC Sewer Operations	6,883	7,199	7,730	6,957	6,613	6,986	7,002	7,252	9,058	7,719	7,986	7,184	76,998	88,568
Cash Power UnEarned	-6,757	5,621	5,044	-6,594	8,145	645	6,506	-5,327	-3,361	-2,319	679	7,172	-7,778	9,455
Total Power Sales - US\$	564,894	551,733	576,232	554,772	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	6,070,012	7,052,831
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	144,107	131,216	124,393	131,990	112,194	133,344	133,282	128,938	130,010	124,632	114,393	123,341	1,517,715	1,531,838
Government - Pre Paid (Cash Power)	100,875	57,397	84,787	98,305	60,593	90,820	58,860	105,216	81,990	84,888	82,174	69,891	960,628	975,797
Government - Street Lights	10,377	10,042	10,377	10,377	9,372	10,377	10,042	10,377	10,042	10,377	10,377	10,377	158,709	122,514
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	171	169	315	55	144	126	109	72	0	0	0	0	2,559	1,160
Government Total	255,530	198,824	219,871	240,726	182,303	234,667	202,293	244,603	222,042	219,897	206,944	203,609	2,639,610	2,631,309
Commercial - Post Paid	486,170	470,432	474,338	455,268	411,038	454,280	460,260	485,944	478,382	492,190	502,928	513,220	5,334,978	5,684,451
Commercial - Pre Paid (Cashpower)	170,008	170,640	163,016	154,379	146,860	179,199	164,461	179,972	164,585	170,374	160,220	172,239	1,808,404	1,995,954
Commercial Scratchcard	1,942	2,536	2,810	1,801	1,408	1,613	2,230	2,339	0	0	0	0	22,996	16,680
Commercial Total	658,120	643,609	640,164	611,449	559,306	635,092	626,952	668,256	642,968	662,564	663,148	685,459	7,166,377	7,697,085
Residential - Post Paid	14,600	14,281	14,308	12,414	13,499	14,757	13,722	14,119	8,460	4,693	9,168	15,876	136,720	149,898
Residential - Pre Paid (Cashpower)	242,666	248,529	281,944	243,919	218,975	259,049	258,389	265,644	270,981	277,232	278,365	263,604	2,791,357	3,109,297
Residential Scratch Card Sales	20,768	19,130	21,767	20,312	18,457	21,602	22,371	23,971	22,757	25,147	25,233	23,185	203,203	264,699
Residential Total	278,034	281,939	318,019	276,645	250,931	295,408	294,483	303,734	302,199	307,072	312,766	302,665	3,131,280	3,523,893
Trade Power Sales Total	1,191,684	1,124,373	1,178,054	1,128,820	992,540	1,165,166	1,123,728	1,216,593	1,167,208	1,189,532	1,182,858	1,191,733	12,937,268	13,852,288
Intercompany - CPUC Office	4,441	4,996	4,883	4,174	4,905	5,371	5,341	6,287	3,840	4,944	4,992	4,582	44,954	58,756
Intercompany - CPUC Power Operation	8,759	7,169	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	85,068	153,619
Intercompany - CPUC Water Operations	22,401	20,305	23,019	20,929	21,194	22,342	20,967	24,568	23,600	23,876	24,789	24,134	267,369	272,124
Intercompany - CPUC Sewer Operations	27,314	28,567	30,674	27,608	26,243	27,721	27,784	28,777	35,943	30,632	31,690	28,507	305,546	351,460
Cash Power Unearned (accrual)	-12,456	13,629	11,781	-12,394	18,562	1,783	12,607	-9,657	-6,799	-5,81	2,115	16,509	-13,026	35,099
Total Power Sales - kWh	1,242,143	1,199,039	1,257,143	1,178,159	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	13,627,179	14,723,346

Financial Table 4 Water Sales Report – FY2018

Water/Sewer Sales Report	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	FY2018 YTD
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,064	5,721	5,929	4,524	5,175	6,509	4,473	6,285	6,073	4,539	5,030	4,970	91,234	64,292
Commercial	7,117	8,234	12,666	6,453	9,615	8,427	7,950	9,549	7,748	9,437	9,911	10,118	89,298	107,226
Residential	9,327	9,953	10,720	6,703	9,391	8,077	7,195	9,756	8,102	8,380	9,542	8,745	97,053	105,891
Provision for Billing Errors	-2,315	0	-864	-515	0	0	0	0	0	0	0	0	-11,640	-3,693
Total	19,193	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	265,945	273,716
Sewer Sales - US\$														
Government	2,326	2,584	2,792	2,155	2,455	3,112	2,159	2,976	2,937	2,057	2,405	2,380	43,177	30,340
Commercial	2,833	3,503	4,966	2,959	4,407	3,731	3,283	6,978	2,994	3,103	3,442	3,051	35,608	45,250
Commercial with No Water	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,705	3,705	42,862	44,261
Residential	529	623	839	373	590	533	465	643	494	725	733	620	7,445	7,167
Residential with No Water	1,680	1,890	1,920	1,650	1,640	1,672	1,690	1,690	1,660	1,720	2,080	2,080	20,362	21,372
Provision for Billing Errors	-1,641	-1,067	-45	-20	-284	0	0	0	0	0	0	0	-9,862	-3,057
Sewer Sales	9,412	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	139,592	145,333
Total Water & Sewer Sales	28,605	35,126	42,608	27,968	36,676	35,747	30,900	41,563	33,693	33,645	36,849	35,669	405,536	419,049
Water Sales - Gallons														
Government	1,040,450	1,166,540	1,213,390	926,840	1,060,550	1,325,570	1,024,000	1,284,200	1,235,380	929,270	1,027,400	1,020,140	19,037,350	13,253,730
Commercial	1,525,215	1,757,601	2,653,620	1,356,500	2,021,732	1,755,524	1,412,626	1,959,536	1,600,245	1,987,310	2,059,220	2,059,130	19,104,959	22,148,259
Residential	3,415,505	3,673,740	3,959,580	2,496,370	3,531,293	3,060,852	2,844,630	3,612,323	3,059,913	3,466,640	3,533,960	3,275,420	36,087,147	39,930,226
Water Delivery & Bunkering	24,325	0	0	25,000	0	0	0	0	0	0	0	0	300,023	49,325
Total	6,005,495	6,597,881	7,826,590	4,804,710	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,620,580	6,354,690	74,529,479	75,381,540

Financial Table 5 Key Performance Indicators – FY2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	FY2018
1a. Non Revenue Power	17.0%	17.2%	14.2%	16.3%	16.9%	16.0%	19.1%	16.0%	12.9%	15.2%	13.9%	12.5%	17.0%	15.6%
Total Power Generated - kWh	1,495,892	1,447,714	1,465,704	1,407,441	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	16,425,830	17,441,330
Total Power Billed - kWh	1,242,143	1,199,039	1,257,143	1,178,159	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	13,627,179	14,723,346
Generation Loss (actual from Jun 17)	13,200	12,165	13,575	13,196	19,438	19,451	22,097	19,348	20,589	28,184	21,414	9,591	682,475	212,248
Distribution Loss Derived - kWh	203,152	200,318	158,343	180,899	167,208	178,969	224,987	186,037	127,084	161,788	146,062	134,856	1,705,531	2,069,703
Commercial Loss (assumed 2.5%) - kWh	37,397	36,193	36,643	35,186	32,426	36,792	37,289	38,080	35,595	37,477	36,675	36,280	410,646	436,033
Total Loss - kWh	253,749	248,676	208,561	229,281	219,072	235,212	284,372	243,465	183,268	227,449	204,152	180,727	2,798,651	2,717,984
Distribution loss %	13.6%	13.8%	10.8%	12.9%	12.9%	12.2%	15.1%	12.2%	8.9%	10.8%	10.0%	9.3%	10.4%	11.9%
1b. Non Revenue Water	71.9%	69.7%	63.5%	76.5%	68.2%	70.5%	76.4%	69.0%	75.3%	72.2%	71.3%	71.7%	65.2%	71.4%
Water Produced (million gallons)	21.37	21.75	21.45	20.45	20.81	20.83	22.34	22.13	23.82	22.98	23.08	22.44	213.9	263.4
Water Billed (million gallons)	6.01	6.60	7.83	4.80	6.61	6.14	5.28	6.86	5.90	6.38	6.62	6.35	74.5	75
2. Current ratio	3.91	4.02	3.97	4.00	3.96	4.22	3.78	3.94	3.86	4.35	4.06	4.19	1.83	4.06
	3.71	3.79	3.72	3.77	3.74	3.95	3.59	3.69	3.63	4.12	3.86	3.98		3.84
	10.58	12.45	12.95	11.53	10.55	12.88	9.42	10.49	9.70	8.44	7.57	7.37		8.46
	3.56	4.04	4.78	4.87	5.30	6.51	4.95	6.75	6.40	8.11	6.82	8.15		7.46
3. ROA (excludes other operating income/grant support)	-0.16%	-0.09%	0.04%	-0.22%	-0.15%	-0.09%	-0.39%	-0.12%	-0.03%	-0.13%	-0.02%	0.22%	-2.7%	-0.01
Power Business	0.25%	0.26%	0.38%	0.17%	0.15%	0.27%	-0.03%	0.21%	0.33%	0.27%	0.36%	0.64%		0.03
Water Business	-6.53%	-4.54%	-3.33%	-5.84%	-3.90%	-4.51%	-5.29%	-2.10%	-1.96%	-2.59%	-2.08%	-1.95%		-0.25
Sewer Business	-1.06%	-0.98%	-0.90%	-1.07%	-0.89%	-0.98%	-1.22%	-0.99%	-1.03%	-1.14%	-1.07%	-0.96%		-0.13
4. Operating ratio	0.85	0.82	0.78	0.87	0.83	0.83	0.94	0.85	0.81	0.86	0.82	0.74	0.83	0.83
Power Business	0.76	0.75	0.73	0.78	0.77	0.77	0.85	0.79	0.75	0.78	0.75	0.69		0.76
Water Business	1.87	1.35	1.09	1.90	1.26	1.41	1.57	1.38	1.40	1.66	1.44	1.38		1.46
Sewer Business	3.67	2.92	2.27	3.29	2.38	2.66	3.78	2.21	2.75	3.22	2.79	2.45		2.81
5. Days in Accounts Receivable	24.10	26.00	23.13	24.90	22.97	25.69	25.42	24.22	25.44	24.62	22.85	24.16		22.45
Power Business	15.01	16.73	14.64	15.31	13.96	16.13	15.67	14.69	15.91	15.64	14.57	15.96		13.85
Water Business	196.34	159.24	117.65	188.22	126.26	138.17	151.48	114.90	118.52	91.04	77.19	75.25		77.10
Sewer Business	218.57	215.88	182.19	257.67	238.76	267.30	320.45	246.58	343.35	373.40	354.78	404.47		337.09

Power Table 1 Power Operation Indicators – FY 2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY2017	YTD 2018
Generation Statistics														
Diesel Generation - kWh	1,468,884	1,423,854	1,440,435	1,382,447	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	16,090,838	17,122,425
Peak Generation - kW	2,941	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,850	2,941
Fuel Consumption - Gallons	98,145	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	1,079,209	1,143,186
Average Fuel Price (\$/Gallon)	3.04	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	2.88	3.33
Load Factor (%)	68%	70%	74%	73%	66%	73%	68%	71%	67%	71%	69%	68%	63%	67%
Capacity Factor (%)	53%	49%	47%	46%	46%	48%	52%	51%	50%	49%	50%	51%	39%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	200%	300%	400%	500%	600%	700%	100%	100%
Reserve Plant Margin (%)	165%	185%	195%	205%	202%	191%	169%	173%	176%	182%	178%	174%	125%	165%
Solar PV Generation - kWh														
Solar PV Generation - kWh	27,008	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	334,993	318,905
Solar Generation %	1.8%	1.6%	1.7%	1.8%	1.9%	2.0%	1.9%	1.8%	1.8%	1.8%	1.4%	2.4%	2.0%	1.8%
Peak PV Generation -kW	211	186	197	195	195	228	217	213	204	213	155	276	161	153
Avoided Fuel - Gallons	1,805	1,596	1,654	1,671	1,643	1,943	1,853	1,830	1,758	1,832	1,332	2,376	22,455	21,293
Avoided Cost of Fuel - US\$	5,486	4,924	5,211	5,374	5,489	6,413	6,096	6,224	6,205	6,466	4,662	8,373	64,767	70,922
Tons of CO2 avoided	18.2	16.1	16.7	16.9	16.6	19.6	18.7	18.5	17.8	18.5	13.5	24.0	227.7	141.4
Labour Productivity (kWh/Emp/d)														
Labour Productivity (kWh/Emp/d)	1,639	1,589	1,608	1,543	1,420	1,610	1,634	1,670	1,560	1,643	1,615	1,580	1,378	1,466
SFOC (kWh/gal)														
SFOC (kWh/gal)	14.97	14.95	15.28	14.95	15.16	15.03	15.00	14.90	14.89	14.90	14.87	14.86	14.91	14.98
DG1 - GE 1.8	15.05	15.00	15.33	15.60	16.03	15.28	15.56	15.42	15.39	15.38	14.87	15.11	15.19	15.36
DG2 - GE 1.8	14.91	15.03	15.44	13.91	15.02	15.04	12.96	0.00	0.00	15.09	14.96	15.20	15.21	15.01
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	13.43	0.00
DG4 - CAT 1.3	14.36	12.45	14.61	14.58	12.69	14.58	14.27	14.32	14.23	14.26	13.70	0.00	14.76	14.24
DG5 - CAT 1.3	14.26	10.28	14.04	14.53	14.01	14.73	14.26	14.35	14.42	13.09	13.90	13.02	14.83	14.09
SLOC (kWh/gal)														
SLOC (kWh/gal)	3,079	3,423	3,373	7,900	3,270	5,657	7,071	3,649	6,353	3,803	2,548	2,216	5,102	3,747
DG1 - GE 1.8	2,121	6,026	7,339	7,981	2,301	5,535	8,436	3,340	6,954	4,471	1,326	2,856	6,038	3,655
DG2 - GE 1.8	5,432	2,497	1,941	3,494	1,624	0	0	0	0	0	0	0	5,375	3,211
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	3,603	0
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	4,865	0
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	4,721	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%	0.05%	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%	0.20%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	27.7%	25.8%	24.9%	24.1%	24.3%	25.2%	27.3%	26.9%	26.6%	26.0%	26.4%	26.8%	30.0%	27.7%
Distribution Losses (%)	8.5%	8.7%	5.7%	7.8%	8.4%	7.5%	10.6%	7.5%	4.4%	6.7%	5.4%	4.0%	8.6%	85.0%
SAIDI (hours/consumer)	1.02	0.00	1.10	0.20	0.18	0.00	0.01	0.05	0.10	0.04	0.01	0.22	4.55	2.94
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	0.09	0.024
Average Cost (\$/kWh)	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.19	0.22

Power Table 2 Power Generation Statistics – FY 2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY 2017	FY2018 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	735,982	620,670	689,840	750,222	814,476	885,536	868,903	801,572	764,918	769,020	613,939	456,999	3,507,947	8,772,077
DG2 - GE 1.8	706,124	781,572	617,206	283,005	56,835	9,924	5,797	0	0	447,921	776,739	781,727	4,073,945	4,466,850
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	663	0	684,621	663
DG4 - CAT 1.3	21,235	13,694	77,797	109,864	97,070	333,831	392,170	226,753	294,660	64,518	483	0	4,159,398	1,632,075
DG5 - CAT 1.3	5,543	7,918	55,592	239,356	303,752	213,185	196,890	467,581	338,059	190,332	55,380	177,172	3,635,306	2,250,760
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	29,620	0
Diesel Generation Total (kWh)	1,468,884	1,423,854	1,440,435	1,382,447	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	16,090,838	17,122,425
Airport Solar Panel	6,720	6,263	6,858	6,249	6,857	5,060	6,227	4,803	5,322	4,761	4,605	5,975	82,277	69,699
High School Solar Grid Connect	20,288	17,597	18,411	18,745	18,059	24,139	21,568	22,472	20,850	22,540	15,209	29,328	252,716	249,206
Solar PV Generation Total (kWh)	27,008	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	334,993	318,905
Total Generation (kWh)	1,495,892	1,447,714	1,465,704	1,407,441	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	16,425,830	17,441,330
Maximum Demand (kW)	2,941	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,850	2,941
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)	8,759	7,169	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	85,068	153,619
Running Hours														
DG1 - GE 1.8	660	589	624	599	638	689	681	665	639	711	611	482	3,308	7,588
DG2 - GE 1.8	642	686	574	256	50	10	7	0	0	432	711	705	3,655	4,073
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	2	0	798	2
DG4 - CAT 1.3	31	18	115	127	180	353	459	278	385	115	3	0	4,714	2,064
DG5 - CAT 1.3	10	11	87	316	395	256	237	553	437	269	87	302	4,208	2,960
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	41	0
Total Hours	1,343	1,304	1,400	1,298	1,263	1,308	1,384	1,496	1,461	1,527	1,414	1,489	16,722	16,687

Power Table 3 Fuel & Lube Oil Statistics – FY 2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY 2017	FY2018 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	48,906	41,366	45,002	48,096	50,796	57,966	55,846	51,967	49,717	50,005	41,289	30,252	230,968	571,208
DG2 - GE 1.8	47,371	52,005	39,979	20,343	3,785	660	447	0	0	29,682	51,936	51,437	267,890	297,646
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	51	0	50,977	51
DG4 - CAT 1.3	1,479	1,100	5,325	7,537	7,649	22,899	27,483	15,839	20,709	4,525	35	0	281,895	114,582
DG5 - CAT 1.3	389	770	3,958	16,475	21,674	14,474	13,805	32,588	23,437	14,542	3,985	13,604	245,093	159,700
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	2,385	0
Total Fuel Consumption (Gals)	98,145	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	1,079,209	1,143,186
Average Fuel Price (\$/Gallon)	3.04	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	2.88	3.33
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	135	103	94	94	89	160	103	0	110	172	198	0	396	1,258
DG2 - GE 1.8	130	101	81	81	35	0	0	0	0	25	105	265	396	823
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	0	0	15	0	0	0	0	0	10	0	0	0	0	25
DG5 - CAT 1.3	0	0	0	0	0	0	9	0	5	0	0	95	10	109
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	265	204	190	175	124	160	112	0	125	197	303	360	802	2,215
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	212	0	0	0	265	0	0	240	0	0	265	160	185	1,142
DG2 - GE 1.8	0	212	237	0	0	0	0	0	0	0	0	119	362	568
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	190	0
DG4 - CAT 1.3	0	0	0	0	0	0	0	95	0	95	0	0	855	190
DG5 - CAT 1.3	0	0	0	0	0	95	95	75	95	95	0	0	760	455
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	212	212	237	0	265	95	95	410	95	190	265	279	2,352	2,355

Power Table 4 Distribution Feeder Statistics FY2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	2017 YTD	2018 YTD
Feeder 1 Load	384,364	378,113	379,445	373,740	337,024	390,261	392,615	408,635	388,111	397,981	388,731	387,602	2,955,807	4,606,622
Feeder 2 Load	122,589	124,585	126,251	123,941	111,784	126,393	127,629	124,573	112,270	117,490	115,156	122,494	1,496,026	1,455,155
Feeder 3 Load	467,146	444,911	440,356	414,923	383,908	429,225	412,167	418,084	412,284	439,104	430,116	422,751	5,060,817	5,114,975
Feeder 4 Load	404,303	386,163	399,296	376,959	349,067	390,147	378,916	386,126	341,765	357,225	348,312	345,868	5,301,320	4,464,146
Feeder 5 Load	104,290	101,777	106,781	104,682	95,828	116,198	158,131	166,415	148,790	159,108	163,289	162,895	980,892	1,588,184
Total Feeder Load (kWh)	1,482,692	1,435,549	1,452,129	1,394,245	1,277,611	1,452,224	1,469,458	1,503,833	1,403,220	1,470,908	1,445,604	1,441,610	15,794,862	17,229,082
														0
Feeder 1 Sales	337,341	317,849	342,476	333,252	284,561	348,192	319,342	352,439	335,551	342,521	327,785	320,046	0	3,961,355
Feeder 2 Sales	92,329	99,957	110,603	99,911	83,640	107,841	92,865	103,815	89,614	88,833	97,025	103,912	0	1,170,347
Feeder 3 Sales	413,110	383,048	388,891	359,044	337,654	363,674	339,801	358,328	368,224	358,796	347,271	381,846	0	4,399,688
Feeder 4 Sales	319,956	315,063	335,496	302,898	280,154	313,757	305,017	309,036	306,649	325,758	336,350	316,697	0	3,766,831
Feeder 5 Sales	71,501	74,282	85,398	74,360	73,870	82,994	130,183	137,661	124,197	127,795	135,897	142,532	0	1,260,670
Total Feeder Sales (kWh)	1,234,237	1,190,199	1,262,864	1,169,466	1,059,880	1,216,458	1,187,208	1,261,279	1,224,236	1,243,703	1,244,328	1,265,033	0	14,558,891
Feeder 1 Loss - kWh	47,023	60,264	36,969	40,488	52,463	42,069	73,273	56,196	52,560	55,460	60,946	67,556	0	645,267
Feeder 2 Loss - kWh	30,260	24,628	15,648	24,030	28,144	18,552	34,764	20,758	22,656	28,657	18,131	18,582	0	284,808
Feeder 3 Loss - kWh	54,036	61,863	51,465	55,879	46,254	65,551	72,366	59,756	44,060	80,308	82,845	40,905	0	715,287
Feeder 4 Loss - kWh	84,346	71,101	63,799	74,061	68,913	76,390	73,899	77,090	35,116	31,467	11,962	29,171	0	697,315
Feeder 5 Loss - kWh	32,789	27,495	21,383	30,322	21,958	33,204	27,948	28,754	24,593	31,313	27,392	20,363	0	327,514
Total Feeder Loss - kWh	248,455	245,350	189,264	224,779	217,731	235,766	282,250	242,553	178,984	227,205	201,276	176,577	0	2,670,191
Feeder 1 Loss - %	12.2%	15.9%	9.7%	10.8%	15.6%	10.8%	18.7%	13.8%	13.5%	13.9%	15.7%	17.4%	0.0%	14.0%
Feeder 2 Loss - %	24.7%	19.8%	12.4%	19.4%	25.2%	14.7%	27.2%	16.7%	20.2%	24.4%	15.7%	15.2%	0.0%	19.6%
Feeder 3 Loss - %	11.6%	13.9%	11.7%	13.5%	12.0%	15.3%	17.6%	14.3%	10.7%	18.3%	19.3%	9.7%	0.0%	14.0%
Feeder 4 Loss - %	20.9%	18.4%	16.0%	19.6%	19.7%	19.6%	19.5%	20.0%	10.3%	8.8%	3.4%	8.4%	0.0%	15.6%
Feeder 5 Loss - %	31.4%	27.0%	20.0%	29.0%	22.9%	28.6%	17.7%	17.3%	16.5%	19.7%	16.8%	12.5%	0.0%	20.6%
Total Feeder Loss - %	16.8%	17.1%	13.0%	16.1%	17.0%	16.2%	19.2%	16.1%	12.8%	15.4%	13.9%	12.2%	0.0%	15.5%

NB – Feeder load data became available with the new power plant control and reporting system in June 2017; Incorporated in monthly reporting from start of FY2018;

Power Table 5 Customer Energy Use By Category and By Feeder – September 2018

Feeder	kWh/Conn/Month		
	Residential	Commercial	Government
F01	283	1,732	5,182
F02	204	2,975	1,841
F03	228	3,862	385
F04	200	3,344	3,975
F05	151	3,749	3,087
Total	213	3,132	2,894

Power Table 6 Power Distribution Statistics – FY2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY 2017	FY2018 YTD
Number of Outages (Frequency)														
Forced - Generation	0	0	0	0	0	0	1	1	1	1	1	0	18	5
Planned - Generation	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Total Number of Outages (Gen)	0	0	0	0	0	0	1	1	1	1	1	0	24	5
Forced - Distribution	0	0	2	1	0	0	5	5	5	5	5	1	107	29
Feeder 1	0	0	0	0	0	0	1	1	1	1	1	0	21	5
Feeder 2	0	0	0	1	0	0	1	1	1	1	1	0	28	6
Feeder 3	0	0	0	0	0	0	1	1	1	1	1	0	19	5
Feeder 4	0	0	0	0	0	0	1	1	1	1	1	1	18	6
Feeder 5	0	0	2	0	0	0	1	1	1	1	1	0	21	7
Planned - Distribution	5	0	2	0	1	0	0	0	1	0	0	1	40	10
Feeder 1	1	0	0	0	1	0	0	0	0	0	0	0	8	2
Feeder 2	4	0	1	0	0	0	0	0	0	0	0	1	9	6
Feeder 3	0	0	0	0	0	0	0	0	0	0	0	0	7	0
Feeder 4	0	0	1	0	0	0	0	0	1	0	0	0	9	2
Feeder 5	0	0	0	0	0	0	0	0	0	0	0	0	7	0
Total Number of Outages (Dist)	5	0	4	1	1	0	5	5	6	5	5	2	147	39

Power Table 7 Power Outage Statistics – FY 2018

	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	FY 2017	FY2018 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	3.8	0.3
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	17.5	0.0
Total Duration Gen Outage (Hrs)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	21.3	0.3
Forced - Distribution	1.9	0.0	28.4	5.5	0.0	0.0	0.3	1.4	0.5	1.0	0.3	1.1	30.4	40.3
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	5.8	0.5
Feeder 2	1.9	0.0	0.0	5.5	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	9.7	7.9
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.2	0.1	0.0	4.8	1.0
Feeder 4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	1.1	5.0	1.6
Feeder 5	0.0	0.0	28.4	0.0	0.0	0.0	0.1	0.5	0.1	0.2	0.1	0.0	5.2	29.3
Planned - Distribution	25.9	0.0	1.6	0.0	5.0	0.0	0.0	0.0	2.3	0.0	0.0	5.0	93.5	39.8
Feeder 1	4.1	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	9.1
Feeder 2	21.8	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	19.4	27.4
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	17.9	0.0
Feeder 4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	19.3	3.3
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	17.9	0.0
Total Duration Dist Outage (Hrs)	27.8	0.0	30.0	5.5	5.0	0.0	0.3	1.4	2.8	1.0	0.3	6.1	123.8	80.1

Water Table 1 Water Production & Sales Data Statistics – FY 2018

COMPANY WIDE DATA	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	FY2018
Water Production (Gallons)													
WTP Production	1,451,200	1,928,900	1,375,100	1,487,200	349,600	300,800	583,300	2,468,300	1,481,700	1,594,000	833,100	580,100	14,433,300
Pink Apartment Volume start of Month	490,000	1,008,900	706,800	798,000	763,800	763,800	530,000	425,000	558,600	404,700	450,300	518,700	7,418,600
Pink Apartment Volume end of Month	1,008,900	706,800	798,000	763,800	1,105,400	1,105,400	425,000	558,600	404,700	450,300	518,700	518,700	8,364,300
Pink Apartment Vol in to Supply/(Storage)	-518,900	302,100	-91,200	34,200	-341,600	-341,600	105,000	-133,600	153,900	-45,600	-68,400	0	-945,700
Tankered volume for billing	37,000	7,000	7,000	8,000	8,000	8,000	58,000	26,500	26,500	12,000	12,000	12,000	222,000
Well Production (into supply)	20,473,500	19,526,200	20,173,000	18,933,800	20,814,200	20,877,200	21,912,700	19,821,000	21,912,700	21,439,900	22,322,700	21,873,000	250,080,000
Volume into network	21,368,800	21,750,200	21,449,900	20,447,200	20,814,200	20,828,400	22,543,000	22,129,300	23,521,800	22,976,300	23,075,400	22,441,100	263,345,600
Water Volume (Billed)													
Commercial	1,165,105	1,406,141	2,081,310	1,257,940	1,401,826	1,449,674	1,412,626	1,711,186	1,458,732	1,508,790	1,702,780	1,651,810	18,207,920
Government (excludes hospital)	534,510	588,950	921,630	705,700	1,017,940	906,780	529,200	884,820	829,540	526,220	293,630	385,370	8,124,290
Government Hospital	490,200	571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	6,849,100
Residential	3,791,355	4,031,290	4,233,650	2,317,770	3,684,909	3,107,592	2,844,630	3,711,453	3,017,666	3,835,110	3,898,610	3,696,910	42,170,945
Water Delivery and Bunkering	24,325	13,000	0	25,000	0	0	0	0	0	0	0	0	62,325
Water Adjustment													0
Total	6,005,495	6,610,881	7,826,590	4,804,710	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,610,620	6,384,690	75,414,580
NRW													
Volume	15,363,305	15,139,319	13,623,310	15,642,490	14,200,625	14,686,454	17,261,744	15,273,241	17,626,262	16,593,080	16,464,780	16,056,410	187,931,020
Percentage	71.9%	69.6%	63.5%	76.5%	68.2%	70.5%	76.6%	69.0%	74.9%	72.2%	71.4%	71.5%	71.4%
Invoiced Water Value													
Water Delivery and Bunkering													0
Commercial	\$7,304	\$8,428	\$12,902	\$6,556	\$9,812	\$8,474	\$8,010	\$9,550	\$7,748	\$9,578	\$9,958	\$10,159	108,479
Government (includes hospital)	\$4,864	\$5,721	\$5,929	\$4,524	\$5,175	\$6,509	\$4,473	\$6,285	\$6,073	\$4,539	\$4,419	\$4,452	62,963
Residential	\$9,182	\$9,953	\$10,720	\$6,703	\$9,391	\$8,077	\$7,195	\$9,756	\$8,294	\$9,281	\$9,538	\$8,745	106,834
Total	\$21,350	\$24,101	\$29,550	\$17,784	\$24,378	\$23,060	\$19,678	\$25,591	\$22,115	\$23,398	\$23,915	\$23,356	\$278,275
Sewer Charges													
Commercial	\$2,833	\$3,503	\$4,965	\$2,959	\$4,408	\$3,731	\$3,283	\$3,293	\$2,994	\$3,204	\$3,442	\$3,342	41,956
Commercial - w/o water	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,705	\$3,705	44,261
Government	\$2,326	\$2,584	\$2,792	\$2,155	\$2,455	\$3,112	\$2,159	\$2,976	\$2,937	\$2,057	\$2,405	\$2,380	30,340
Residential	\$529	\$623	\$819	\$373	\$590	\$579	\$465	\$643	\$588	\$740	\$733	\$630	7,312
Residential w/o water	\$1,670	\$1,890	\$1,920	\$1,650	\$1,640	\$1,675	\$1,690	\$1,690	\$1,660	\$1,720	\$2,089	\$2,076	21,369
Total	\$11,042	\$12,286	\$14,181	\$10,822	\$12,779	\$12,782	\$11,282	\$12,287	\$11,864	\$11,405	\$12,375	\$12,133	\$145,238

Water Table 2 Water/Sewer Connection Data – FY 2018

COMPANY WIDE DATA	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	FY2018
Water Connection Data (No. of Connections)											470	473	473
Commercial - Billed	79	79	78	79	83	83	82	82	82	79	78	79	79
Commercial - Disconnected	2	2	2	2	0	0	1	1	1	4	5	5	5
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	14,748	17,799	26,683	15,923	16,889	17,466	17,227	20,868	17,789	19,099	21,831	20,909	230,480
Government - Billed	18	18	17	17	18	18	17	16	15	14	16	15	15
Government - Disconnected	5	5	6	6	5	5	6	7	7	7	8	8	8
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	29,695	32,719	54,214	41,512	56,552	50,377	31,129	55,301	55,303	37,587	18,352	25,691	541,619
Hospital - Billed	1	1	1	1	1	1	1	1	1	1	1	1	1
Hospital - Disconnected	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital Avge Consumption - Gall/conn/mth		571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	6,849,100
Residential - Billed	369	374	374	376	382	390	392	395	394	367	375	378	378
Residential - Disconnected	102	102	102	102	98	92	91	91	92	99	96	96	96
Residential - Meter Pulled	93	93	93	93	93	93	93	93	93	93	93	93	93
Residential Avge Consumption - Gall/conn/mth	10,275	10,779	11,320	6,164	9,646	7,968	7,257	9,396	7,659	10,450	10,396	9,780	111,563
Sewer Connection Data (No. of Connections)	460	474	477	440	459	459	460	459	452	476	505	490	490
Commercial Billed	47	45	41	39	45	45	44	43	41	45	43	40	40
Commercial Billed w/o water	53	53	53	53	53	53	53	53	54	54	54	54	54
Government Billed	17	17	16	16	17	17	16	15	15	13	15	14	14
Residential Billed	181	170	175	172	180	180	178	179	180	189	190	181	181
Residential Billed w/o water	162	189	192	160	164	164	169	169	162	175	203	201	201
STP Inflow (MG/month)	17.8	13.5	24.2	14.3	24.0	17.8	18.7	18.1	24.9	16.3	13.0	22.1	225
SEWER OVERFLOW W/O's													
North Zone	2	3	1	1	1	3	0	2	3	4	2	1	23
South Zone	3	2	0	3	1	0	6	3	1	1	1	1	22

Water Table 3 Zonal Water Use Statistics - FY2018

ZONAL NRW - September 2018					ZONAL NRW - FY2018 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	429,200	38,200	391,000	91%	1	6,445,800	1,066,630	5,379,170	83%
2	17,730,300	4,548,980	13,181,320	74%	2	190,638,900	54,106,755	136,532,145	72%
3	871,400	96,890	774,510	89%	3	12,815,000	537,837	12,277,163	96%
4	914,200	171,190	743,010	81%	4	10,618,500	2,200,750	8,417,750	79%
5	20,000	0	20,000	100%	5	230,000	20,000	210,000	91%
6	1,994,800	1,170,260	824,540	41%	6	26,042,200	12,998,230	13,043,970	50%
7	204,000	155,310	48,690	24%	7	588,500	1,301,770	-713,270	-121%
8	277,200	203,860	73,340	26%	8	6,223,800	3,182,608	3,041,192	49%
Total	22,441,100	6,384,690	16,056,410	71.5%	Total	253,602,700	75,414,580	178,188,120	70.3%
ZONAL WATER CONSUMPTION - September 2018					ZONAL WATER CONSUMPTION - FY2018 YTD				
Zone	awge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	110	0	-	2,721	1	8,140	0	-	75,606
2	0	21,838	-	9,066	2	246,798	460,952	-	102,653
3	0	0	-	13,841	3	0	0	-	76,834
4	0	0	-	17,119	4	0	0	-	220,075
5	0	0	-	0	5	0	0	-	20,000
6	9,220	0	650,600	473	6	61,258	0	6,849,100	170,046
7	0	0	-	31,062	7	0	0	-	260,354
8	0	50,735	-	8,044	8	0	1,065,960	-	82,324
Total	20,909	25,691	650,600	9,780	Total	230,480	541,619	6,849,100	111,563

Work Order Summary – End September 2018

Work Order Performance September 2018						
Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENAN	6	4	4	0	3	7
INTERNAL POWER	0	0	0	0	0	0
INTERNAL SEWER	1	3	3	0	2	2
INTERNAL WATER	1	7	7	0	3	5
POWER	77	80	83	1	42	115
REVENUE	86	110	159	0	111	85
SEWER	1	4	4	0	3	2
WATER	9	20	23	0	22	7
TOTAL ALL WORK ORD	181	228	283	1	186	223
Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and New	WO Outstanding At End		
INTERNAL MAINTENAN	3.3%	1.8%	30.0%	3.1%		
INTERNAL POWER	0.0%	0.0%	-	0.0%		
INTERNAL SEWER	0.6%	1.3%	-	0.9%		
INTERNAL WATER	0.6%	3.1%	0.0%	2.2%		
POWER	42.5%	35.1%	26.8%	51.6%		
REVENUE	47.5%	48.2%	56.6%	38.1%		
SEWER	0.6%	1.8%	60.0%	0.9%		
WATER	5.0%	8.8%	75.9%	3.1%		
TOTAL ALL WORK ORDERS			45.5%			

Administration Table 1 H&S Statistics – September 2018 & FY 2018



HEALTH & SAFETY REPORT: FY2018 - September 2018

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	September 2018						YEAR TO DATE - FY2018					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	10	1,571	0	0	0	0	0	20,557	0	0	0	0	0
Maintenance	5	871	0	0	0	0	0	9,866	0	0	0	0	0
Power Distribution - Line	17	2,621	0	0	0	0	0	30,741	0	0	0	0	0
Power Distribution - Contractors	11	1,780	0	0	0	0	0	20,016	0	0	0	0	0
Water & Sewer	12	1,794	0	0	0	0	0	15,497	0	0	0	0	0
Water & Sewer Contractors	12	2,232	0	0	0	0	0	26,236	0	0	0	0	0
Fin, Admin, Cust Care	17	2,686	0	0	0	0	0	30,587	0	0	0	0	0
TOTAL	84	13,555	0	0	0	0	0	153,500	0	0	0	0	0

FA - Number of First Aid cases Total Hours Without Incident: - Whole Company 665,738

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	September 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	81	0	81
Maintenance	5	25	0	25
Power Distribution - Line	17	163	0	163
Power Distribution - Customer	11	0	0	0
WSS _ Treatment/Prod	12	54	0	54
WSS Networks	12	0	0	0
Finance, Admin Cust Coord	17	78	0	78
TOTAL	84	401	0	401

Year To Date FY2018				
Total Hours Sick	Accident Related		Poor Health	
1,246	0	0	1,246	0
460	0	0	460	0
1,878	0	0	1,878	0
0	0	0	0	0
809	0	0	809	0
0	0	0	0	0
2,212	0	0	2,212	0
6605	0	0	6605	0

Sick Hours as Percentage of Total Hours Worked		3.0%	0.0%	3.0%
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4.3%	0.0%	4.3%
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DEPARTMENT	Number of Staff	September 2018		
		Total Hours Sick	Accident Related	Poor Health
Sick Hours as Percentage of Total Hours Worked				
Power Generation	10	5.1%	0.0%	5.1%
Maintenance	5	2.9%	0.0%	2.9%
Power Distribution - Line	17	6.2%	0.0%	6.2%
Power Distribution - Customer	11	0.0%	0.0%	0.0%
WSS _ Treatment/Prod	12	0.0%	0.0%	0.0%
WSS Networks	12	0.0%	0.0%	0.0%
Finance, Admin Cust Coord	17	2.9%	0.0%	2.9%
TOTAL	84	3.0%	0.0%	3.0%

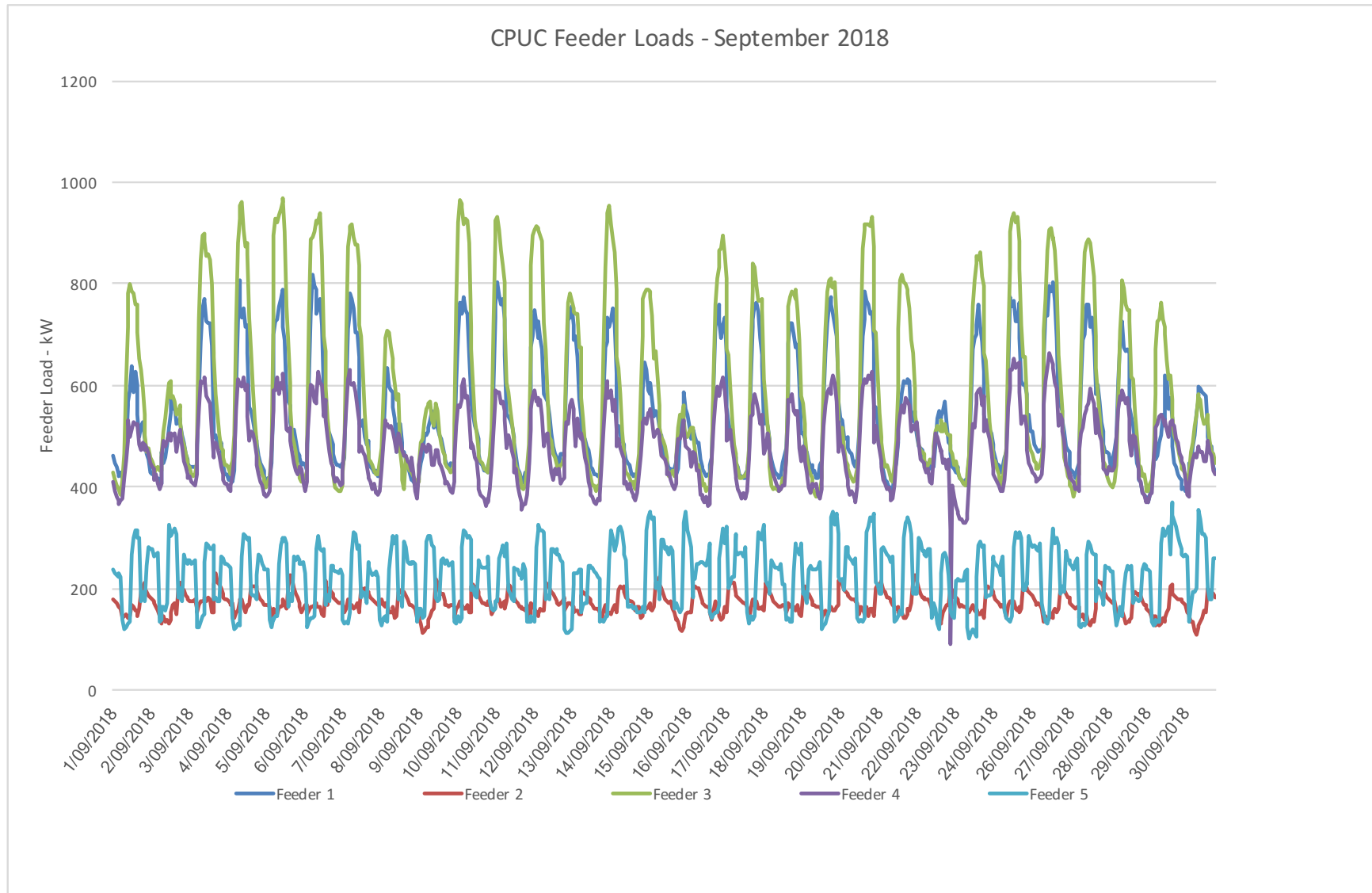
Administration Table 2 Attendance Summary – September 2018 & FY 2018

DEPARTMENT	September 2018								YEAR TO DATE - FY2018							
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	1,433	138	0	81	97	1,749	38	17,276	3,282	351	1,246	1,335	23,488	54	5.3%
Maintenance	5	761	110	0	25	50	946	0	8,476	2,321	157	460	541	11,954	3	3.8%
Power Distribution - Line	17	2,501	120	0	163	136	2,920	8	30,722	3,057	668	1,878	2,048	38,373	24	4.9%
Power Distribution - Contractors	11	1,780	0	0	0	0	1,780	0	21,872	48	35	0	26	21,981	0	0.0%
Water & Sewer	12	1,741	53	0	54	62	1,910	22	15,432	1,403	336	809	1,235	19,214	27	4.2%
Water & Sewer Contractors	12	2,232	0	0	0	0	2,232	0	28,648	67	19	0	0	28,735	0	0.0%
Fin, Admin, Cust Care	17	2,508	179	8	78	145	2,917	0	30,182	3,230	844	2,212	2,826	39,295	4	5.6%
TOTAL EMPLOYEES	84	12,956	599	8	401	491	14,455	68	152,607	13,407	2,411	6,605	8,010	183,040	112	3.6%
REGULAR STAFF	61	8,944	599	8	401	491	10,442	68	102,088	13,292	2,356	6,605	7,984	132,324	112	
Hours as % of Total Hours Claimed		85.7%	5.7%	0.1%	3.8%	4.7%		0.7%	77.1%	10.0%	1.8%	5.0%	6.0%		0.1%	
CONTRACT STAFF	23	4,012	0	0	0	0	4,012	0	50,520	115	54	0	26	50,716	0	
Hours as % of Total Hours Claimed		100.0%	0.0%	0.0%	0.0%	0.0%		0.0%	99.6%	0.2%	0.1%	0.0%	0.1%		0.0%	

CAPEX Table 1 Capex Summary Sheet – September 2018

Chuuk Public Utility Corporation Capex Summary Sheet as of September 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	193,255	73,043	0	212,149	54,149	18,894
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	342,746	344,062	-1,316	407,254	415,000	335,000	70,938
Total	1,016,298	609,044	537,317	71,727	407,254	627,149	389,149	89,832

Graph Showing Feeder Loads in kW – September 2018



Graph Showing Generation Output in kW - September 2018

