

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:

FY2018 – July 2018



Issued: 27 August 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 – August 2017 to July 2018..... 9

Financial Table 2 Cash Flow and A/R Report – August 2017 to July 201810

Financial Table 3 Power Sales Report – August 2017 to July 2018..... 11

Financial Table 4 Water Sales Report – August 2017 to July 2018 12

Financial Table 5 Key Performance Indicators – August 2017 to July 2018 13

Power Table 1 Power Operation Indicators – August 2017 to July 201814

Power Table 2 Power Generation Statistics – August 2017 to July 2018 15

Power Table 3 Fuel & Lube Oil Statistics – August 2017 to July 2018.....16

Power Table 4 Distribution Feeder Statistics.....17

Power Table 5 Customer Energy Use By Category and By Feeder – July 2018 17

Power Table 6 Power Distribution Statistics – August 2017 to July 201818

Power Table 7 Power Outage Statistics – August 2017 to July 2018.....18

Water Table 1 Water Production & Sales Data Statistics – August 2017 to July 201819

Water Table 2 Water/Sewer Connection Data – August 2017 to July 2018 20

Water Table 3 Zonal Water Use Statistics – FY2018..... 21

Work Order Summary – End July 201822

Administration Table 1 H&S Statistics – July 2018 & FY 2018..... 23

Administration Table 2 Attendance Summary – July 2018 & FY 2018..... 24

CAPEX Table 1 Capex Summary Sheet – July 2018..... 25

Graph Showing Feeder Loads in kW – July 2018..... 26

Graph Showing Generation Output in kW – July 2018..... 27

EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Jul-18	2018 YTD	US\$/kWh Sold		US\$/kWh generated	
			Jul-18	YTD 2018	Jul-18	YTD 2018
Revenue	675,089	6,208,966	0.531	0.509	0.450	0.428
Variable Costs	356,906	2,864,061	0.281	0.235	0.238	0.197
Fixed Costs	220,813	1,792,205	0.174	0.147	0.147	0.123
Total Expenses	577,718	4,656,267	0.454	0.382	0.385	0.321
Operating result	97,371	1,552,699	0.077	0.127	0.065	0.107
		kWh				
Power generation	1,499,092	14,523,111				
<i>Diesel</i>	1,471,791	14,259,323				
<i>Solar</i>	27,301	263,788				
<i>Solar PV as % of Total Generation</i>	1.8%	1.8%				
<i>Avoided Cost of Fuel - US\$</i>	6,466	45,216				
<i>Tons of CO2 Avoided</i>	18.5	141.4				
			Sales			
Government Sales	219,897	2,220,756	Feeder	Conns	Jul-18	2018 YTD
Commercial Sales	662,564	6,348,478	F1	466	342,521	3,313,524
Residential Sales	307,072	2,908,463	F2	457	88,833	969,410
Intercompany Sales	82,692	695,834	F3	376	358,796	3,670,571
Sales Accrual	-581	16,475	F4	374	325,758	3,113,784
Total Sales	1,271,643	12,190,005	F5	481	127,795	982,241
Power Loss	15.2%	16.1%	Total	2,155	1,243,703	12,049,530
Operating ratio	0.86	0.84	NB - Error on Total and Feeder sales YTD is <1.0%; 13,148 kWh station use is not included			
Water Produced - Gallons	22,976,300	217,922,200				
Water Sold - Gallons	6,383,220	62,406,270				
Non Revenue Water	72.2%	71.4%				

Daily generated output in July was 48,358 kWh/day; 1.8% higher than June. Average daily sales were 41,021 kWh/day; 0.8% lower than June. Total power loss was 15.2% (power loss YTD is 16.1%).

Power loss per feeder is shown in Power Table 4. Support into the investigation into the accuracy of the 16 CT Meters will be provided in September by Electrical Specialist.

Average fuel efficiency in July was 14.9 kWh/gallon. The power assemblies on DG 2 were changed out in July and an improvement in overall fuel efficiency is anticipated in August.

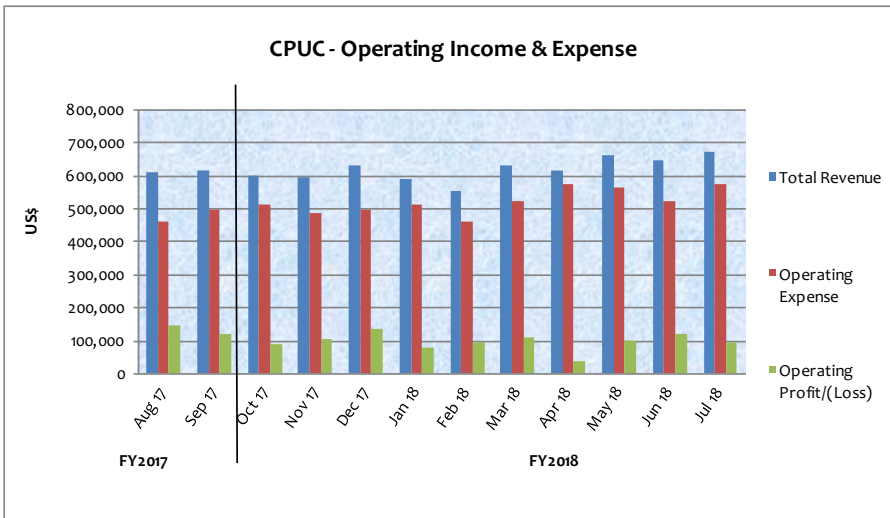
The split of power users for total sales in July was as follows:

Government – 17.3%; Commercial – 52.1%; Residential – 24.1%; Intercompany 6.5%; Accrual 0%;

Solar PV generation in July was 27,301 kWh or 1.8% of total generation. The avoided cost of fuel was US\$6,466 and the amount of Carbon Dioxide avoided was 18.5 tons.

From a commercial perspective the operating result for July was US\$97,371 with an operating ratio of 0.86 – YTD 0.84.

1 FINANCIAL PERFORMANCE GRAPHS



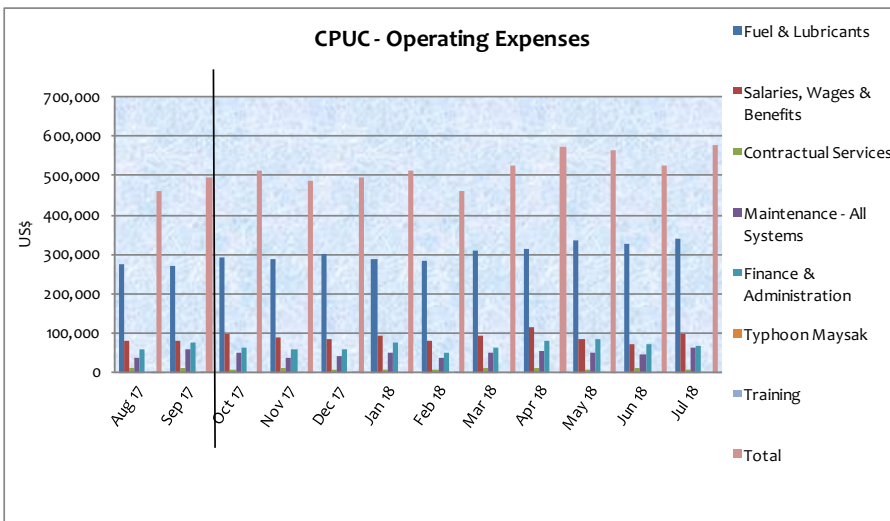
1.1 Key Points:

FY2018 Operating income before Depreciation & Interest :

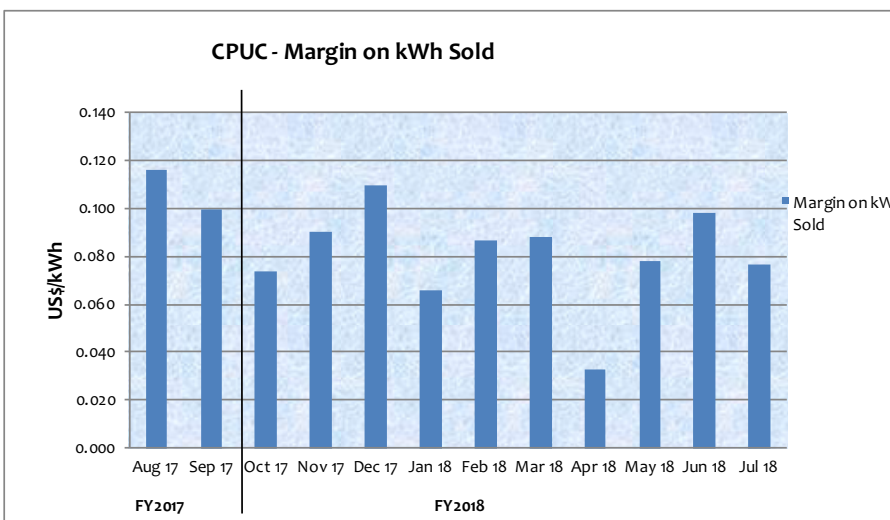
July 2018
US\$97,371

FY2018
US\$974,943

Operating ratio:
YTD 0.84;



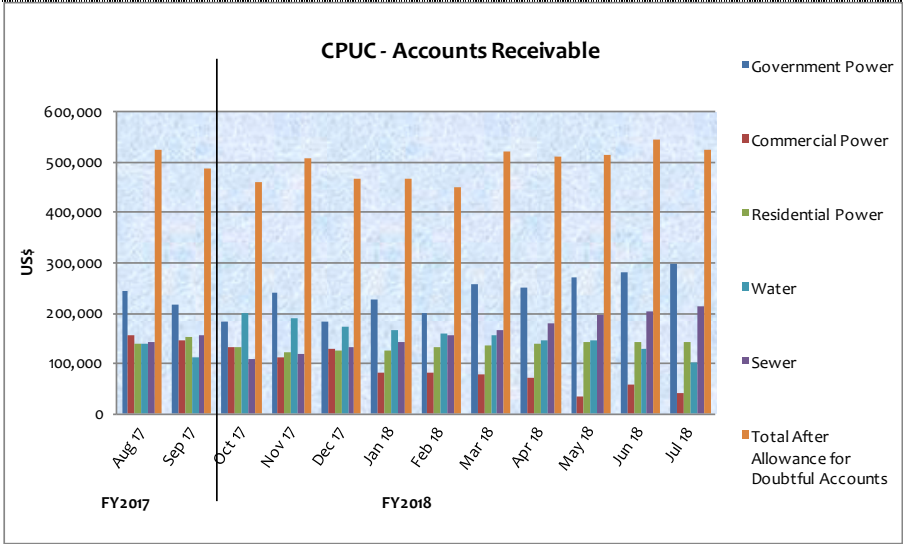
1.2 Key Points:



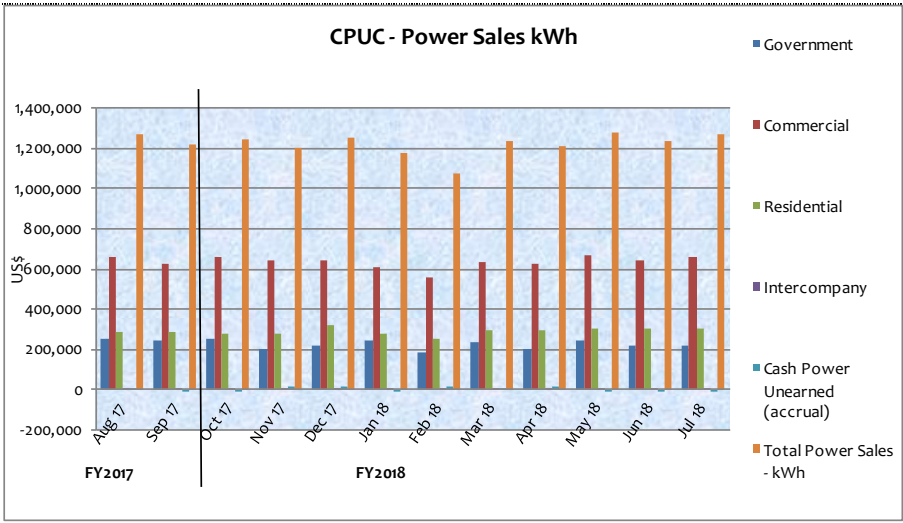
1.3 Key Points:

July 2018 US\$
0.077/kWh sold

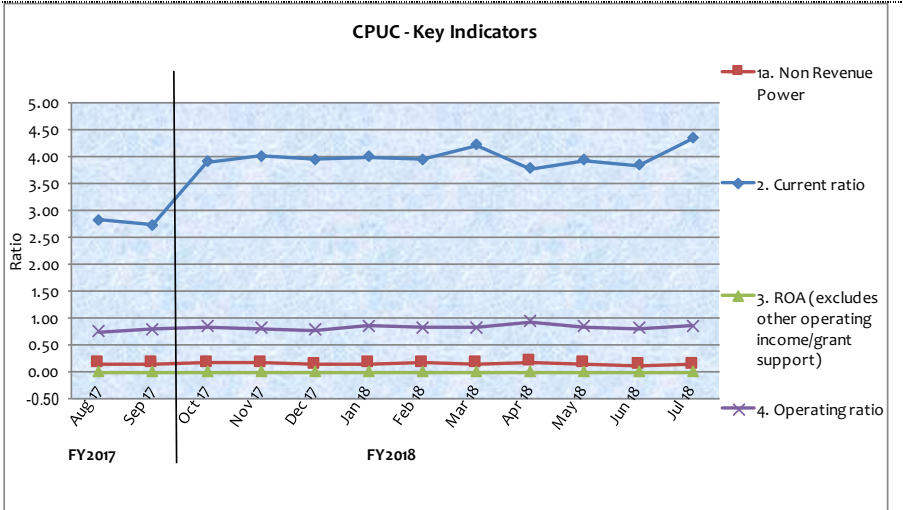
YTD US\$0.083/kWh
sold.



1.4 Key Points:

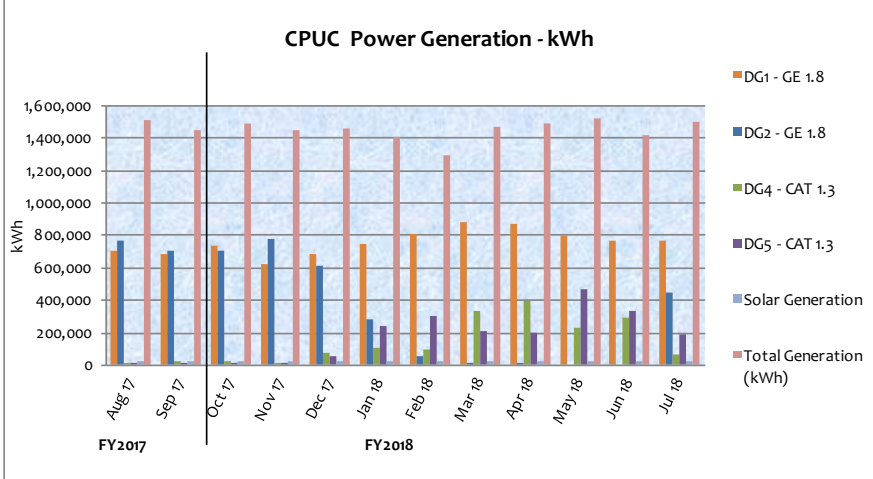


1.5 Key Points:

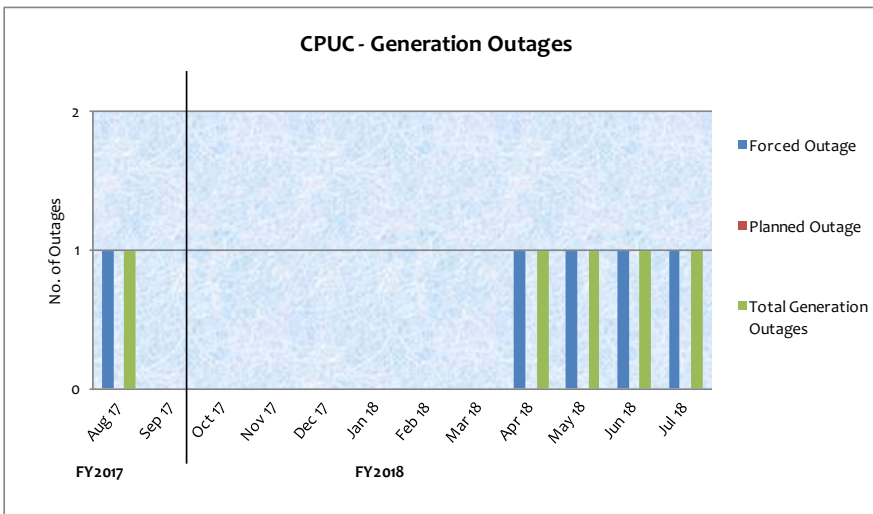


1.6 Key Points:

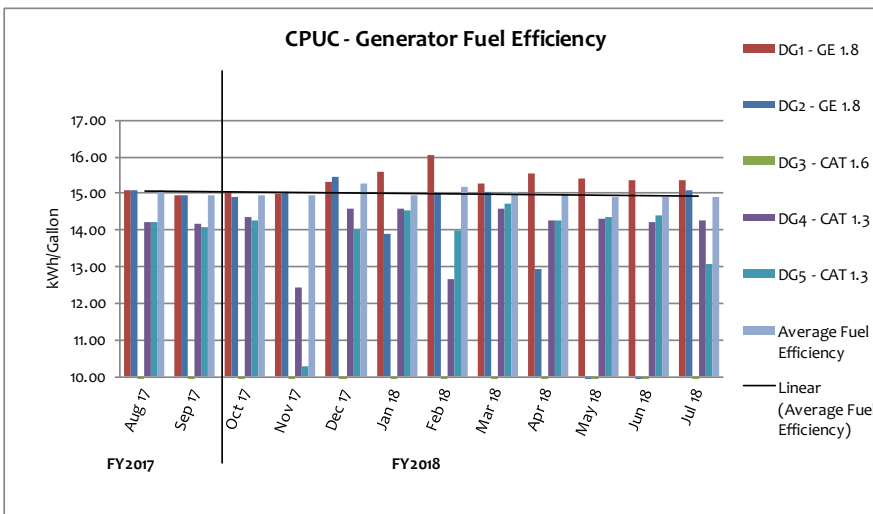
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

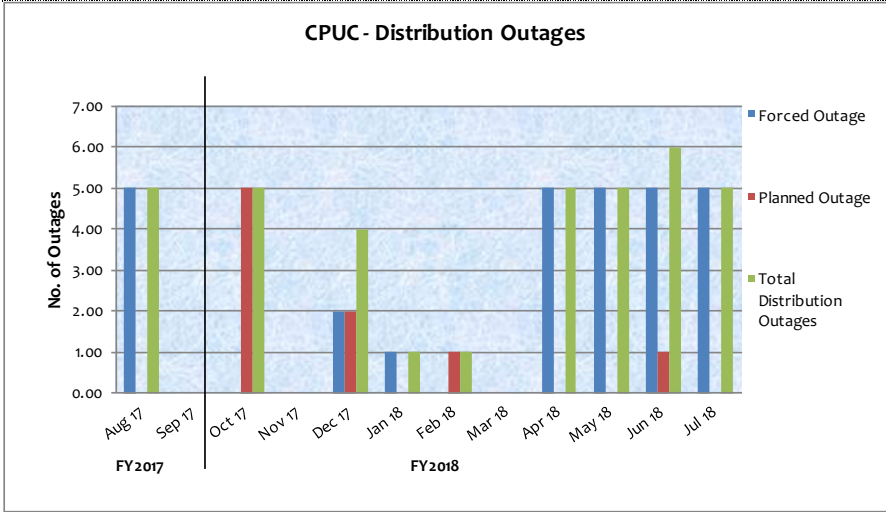


2.2 Key Points:

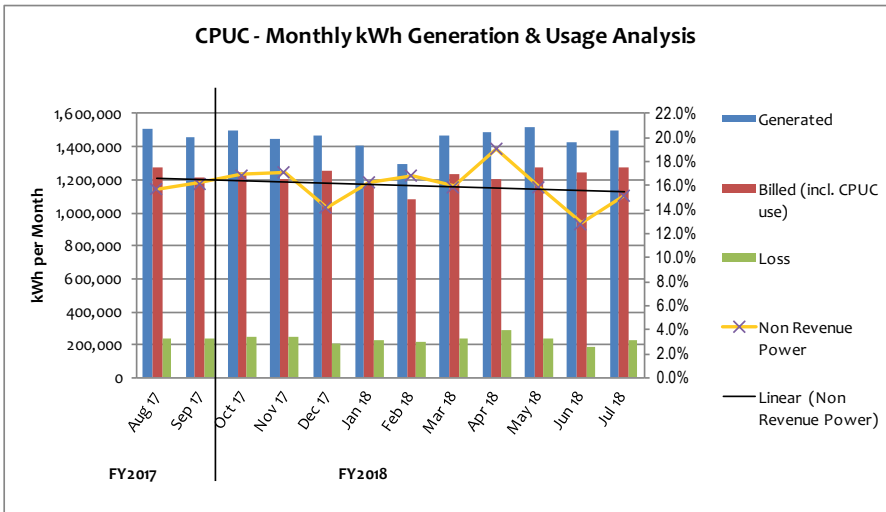


2.3 Key Points:

Avg fuel efficiency in July 2018 14.9 kWh/gall.

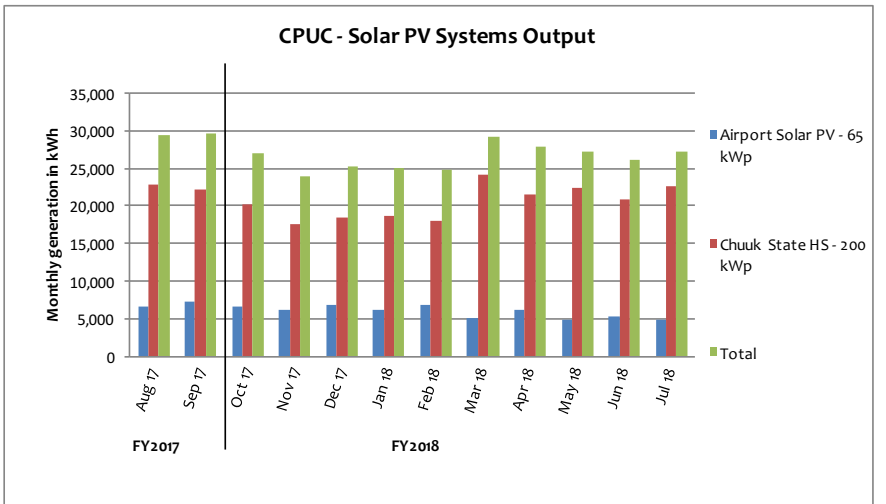


2.4 Key Points



2.5 Key Points:

Power loss for July 2018 – 15.2%;



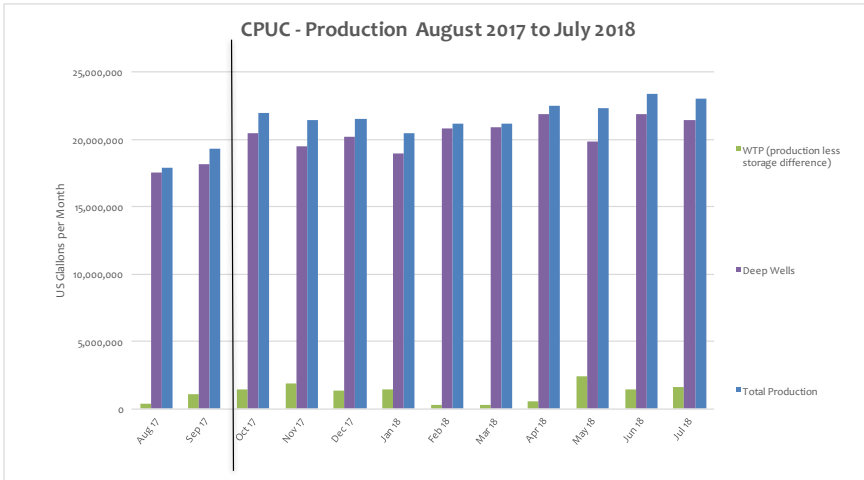
2.6 Key Points:

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

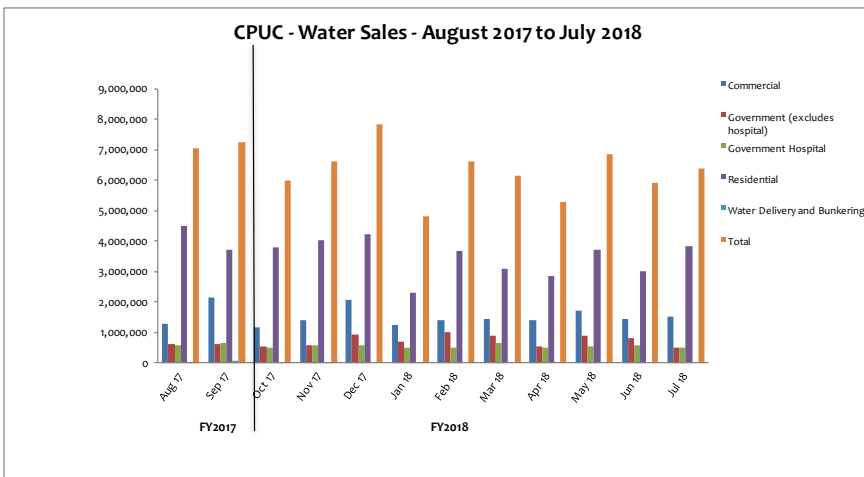
The avoided cost of fuel was: US\$6,466.

Avoided Tons of CO₂ was 18.5 Tons;

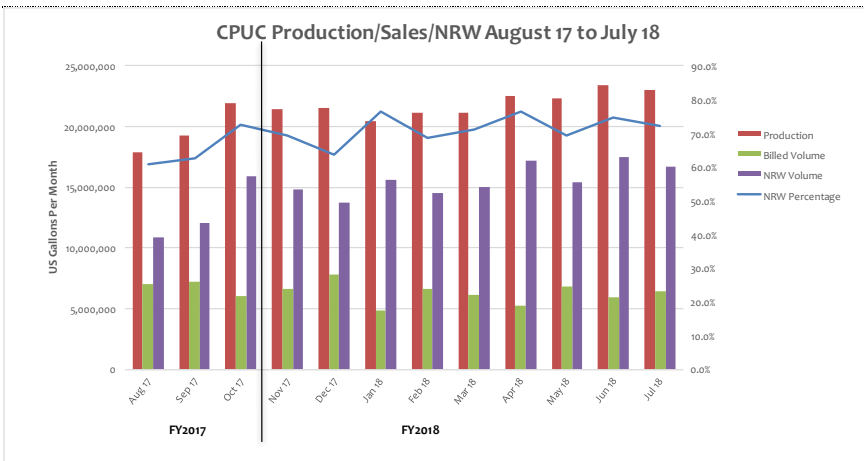
3 WATER PERFORMANCE GRAPHS



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 – August 2017 to July 2018

Revenue - US\$	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY2017	FY2018 YTD
Operating revenue:														
a. Power Sales	563,082	544,644	564,894	551,733	582,033	554,772	512,095	592,791	573,531	615,902	607,009	626,747	6,070,012	5,781,507
b. Water Sales	22,612	26,209	19,193	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	265,945	225,400
c. Sewer Sales	9,897	11,086	9,412	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	139,592	121,131
d. Other operating revenue	14,675	35,282	8,496	6,785	9,286	9,585	5,421	4,121	9,731	7,207	5,599	14,697	150,227	80,928
Revenue - Total	610,267	617,220	601,995	593,643	633,926	592,325	554,192	632,658	614,163	664,672	646,302	675,089	6,625,775	6,208,966
Expenses - US\$														
Fuel & Lubricants	275,449	271,311	290,043	287,127	299,209	289,899	284,789	310,514	312,850	335,161	324,799	341,204	3,054,312	3,075,595
Salaries, Wages & Benefits	78,866	78,922	99,197	89,928	84,071	93,046	78,835	92,771	114,968	85,955	71,648	97,994	997,515	908,412
Contractual Services	9,954	9,716	7,518	10,393	7,553	7,871	8,108	10,581	10,907	7,900	10,121	8,250	122,226	89,203
O&M - Power Generation	9,844	18,256	18,636	14,552	18,162	19,023	10,207	17,195	20,243	22,514	20,235	11,026	156,265	171,793
O&M - Power Distribution	11,215	19,359	10,374	12,181	10,071	8,129	8,437	11,671	10,618	14,031	9,940	15,741	113,700	111,193
O&M - Water	2,577	1,374	2,659	3,144	2,946	4,267	5,762	3,112	3,723	4,079	3,515	12,388	40,988	45,596
O&M - Sewer	0	291	0	0	0	0	215	367	2,901	0	0	120	5,103	3,602
Finance & Administration Overheads	44,579	61,816	49,873	47,826	45,795	62,537	38,727	49,390	69,883	70,246	58,144	52,455	632,176	544,876
Vehicle & Eq. Fuel	13,290	19,754	19,976	8,198	11,655	17,854	13,402	15,892	16,338	11,216	24,804	10,511	193,854	149,846
CPUC Power Usage (incl. in O&M from Oct 15)	14,103	12,786	12,528	12,316	13,531	12,231	11,954	12,616	12,285	13,443	15,005	13,736	144,375	129,645
Training	2,583	2,321	0	0	3,000	0	608	0	0	0	653	0	35,748	4,261
Expense - Total	462,460	495,907	510,804	485,666	495,993	514,857	461,045	524,109	574,716	564,544	524,571	577,718	5,496,261	5,234,022
Operating Income/(Loss)	147,807	121,313	91,192	107,977	137,934	77,468	93,147	108,550	39,447	100,128	121,731	97,371	1,129,515	974,943
Non-Cash Expenses - US\$														
Depreciation	98,146	98,146	122,290	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	1,177,752	1,222,909
Interest Expense	6,135	6,135	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	73,620	56,670
Non-Cash Expense - Total - US\$	104,281	104,281	127,957	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	1,251,372	1,279,579
Net Income/(Loss) - excluding grant support - US\$	43,526	17,032	-36,765	-19,981	9,976	-50,490	-34,811	-19,408	-88,511	-27,830	-6,227	-30,587	-121,857	-304,635
Non-operating Income (Grant Support) - US\$	80	15,682	21	324	107	98	10	115,061	89	59	89	300,139	1,714,456	415,997
Net Income/(Loss) - including grant support - US\$	43,606	32,714	-36,744	-19,657	10,083	-50,392	-34,801	95,653	-88,422	-27,772	-6,138	269,552	1,592,600	111,361

Financial Table 2 Cash Flow and A/R Report – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY2017	FY2018 YTD
Cash Flow Report - US\$														
Receipts	513,172	651,726	596,695	434,000	534,819	557,546	470,120	598,123	632,467	570,529	511,773	900,095	7,813,194	5,806,168
Disbursements	428,197	492,831	561,257	431,602	656,940	673,416	461,494	538,318	516,528	712,577	692,907	974,693	7,970,778	6,219,732
Net receipts/Disbursements	84,975	158,895	35,438	2,398	-122,121	-115,870	8,626	59,805	115,940	-142,048	-181,134	-74,598	-157,584	-413,564
Cash balance (beginning)	1,044,096	1,129,071	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	1,445,550	1,287,966
Cash balance (end)	1,129,071	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	874,402	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)	1,127,377	1,286,273	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	1,286,273	1,094,743
Stocks	1,520,376	2,006,204	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	2,006,204	1,098,435
Trade Receivable	524,949	486,171	461,351	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	486,171	450,112
Prepaid Lease	291,775	290,197	288,620	287,043	285,466	311,146	309,114	307,083	305,051	303,019	300,988	298,956	290,197	309,114
Collateral with Vital Inc.	477,124	489,039	501,857	513,772	526,146	538,061	549,060	560,517	573,349	586,180	598,096	610,469	489,039	549,060
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	1,288,699	1,378,127	811,318	815,008	798,719	786,939	806,922	788,759	893,772	842,597	850,353	748,381	1,378,127	806,922
Loans Payable	4,407,245	4,390,849	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	4,390,849	4,223,747
Total Accounts Receivable (to date) - US\$														
Government Power	243,787	217,607	183,764	242,066	184,272	227,579	199,339	258,831	250,820	271,125	282,790	299,318	217,607	199,339
Commercial Power	155,409	146,611	134,028	110,816	128,073	81,640	80,662	76,819	70,408	34,489	59,523	40,873	146,611	80,662
Residential Power	140,967	153,188	132,028	121,589	125,025	126,099	131,743	136,012	139,601	142,737	142,930	142,003	153,188	131,743
Water	138,090	110,983	199,985	189,328	171,831	165,595	158,783	156,843	147,447	145,723	130,542	103,493	110,983	158,783
Sewer	144,320	155,406	109,171	120,447	132,391	142,656	155,150	167,883	179,386	195,206	203,048	214,338	155,406	155,150
Allowance for Doubtful	-297,625	-297,625	-297,625	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-297,625	-275,564
Total	524,949	486,171	461,351	508,682	466,026	468,005	450,112	520,824	512,097	513,715	543,269	524,461	486,171	450,112

Financial Table 4 Water Sales Report – August 2017 to July 2018

Water/Sewer Sales Report	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY2017	FY2018 YTD
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,793	6,427	5,064	5,721	5,929	4,524	5,175	6,509	4,473	6,285	6,073	4,539	91,234	54,292
Commercial	11,161	10,087	7,117	8,234	12,666	6,453	9,615	8,427	7,950	9,549	7,748	9,437	89,298	87,197
Residential	9,223	9,993	9,327	9,953	10,720	6,703	9,391	8,077	7,195	9,756	8,102	8,380	97,053	87,604
Provision for Billing Errors	-3,565	-298	-2,315	0	-864	-515	0	0	0	0	0	0	-11,640	-3,693
Total	22,612	26,209	19,193	23,907	28,451	17,166	24,181	23,014	19,618	25,590	21,923	22,356	265,945	225,400
Sewer Sales - US\$														
Government	2,728	2,993	2,326	2,584	2,792	2,155	2,455	3,112	2,159	2,976	2,937	2,057	43,177	25,555
Commercial	3,661	4,004	2,833	3,503	4,966	2,959	4,407	3,731	3,283	6,978	2,994	3,103	35,608	38,757
Commercial with No Water	3,537	3,742	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	42,862	36,851
Residential	675	778	529	623	839	373	590	533	465	643	494	725	7,445	5,813
Residential with No Water	1,790	1,830	1,680	1,890	1,920	1,650	1,640	1,672	1,690	1,690	1,660	1,720	20,362	17,212
Provision for Billing Errors	-2,493	-2,261	-1,641	-1,067	-45	-20	-284	0	0	0	0	0	-9,862	-3,057
Sewer Sales	9,897	11,086	9,412	11,219	14,156	10,802	12,495	12,733	11,282	15,973	11,771	11,289	139,592	121,131
Total Water & Sewer Sales	32,509	37,294	28,605	35,126	42,608	27,968	36,676	35,747	30,900	41,563	33,693	33,645	405,536	346,531
Water Sales - Gallons														
Government	1,185,780	1,312,240	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	19,037,350	11,206,190
Commercial	2,359,147	2,166,803	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	19,104,959	18,029,909
Residential	3,456,080	3,692,089	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	36,087,147	33,120,846
Water Delivery & Bunkering	30,900	0	24,325	0	0	25,000	0	0	0	0	0	0	300,023	49,325
Total	7,031,907	7,171,132	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	74,529,479	62,406,270

Financial Table 5 Key Performance Indicators – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY2017	FY2018 YTD
1a. Non Revenue Power	15.7%	16.3%	17.0%	17.2%	14.2%	16.3%	16.9%	16.0%	19.1%	16.0%	12.9%	15.2%	17.0%	16.1%
Total Power Generated - kWh	1,511,967	1,453,444	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	16,425,830	14,523,111
Total Power Billed - kWh	1,274,336	1,217,037	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	13,627,179	12,190,005
Generation Loss (actual from Jun 17)	10,857	11,194	13,200	12,165	13,575	13,196	19,438	19,451	22,097	19,348	20,589	28,184	682,475	181,243
Distribution Loss Derived - kWh	188,975	188,877	203,152	200,318	158,343	180,899	167,208	178,969	224,987	186,037	127,084	161,788	1,705,531	1,788,785
Commercial Loss (assumed 2.5%) - kWh	37,799	36,336	37,397	36,193	36,643	35,186	32,426	36,792	37,289	38,080	35,595	37,477	410,646	363,078
Total Loss - kWh	237,631	236,407	253,749	248,676	208,561	229,281	219,072	235,212	284,372	243,465	183,268	227,449	2,798,651	2,333,106
Distribution loss %	12.5%	13.0%	13.6%	13.8%	10.8%	12.9%	12.9%	12.2%	15.1%	12.2%	8.9%	10.8%	10.4%	12.3%
1b. Non Revenue Water	61.7%	62.4%	71.9%	69.7%	63.5%	76.5%	68.2%	70.5%	76.4%	69.0%	75.3%	72.2%	65.2%	71.4%
Water Produced (million gallons)	18.34	19.07	21.37	21.75	21.45	20.45	20.81	20.83	22.34	22.13	23.82	22.98	213.9	217.9
Water Billed (million gallons)	7.03	7.17	6.01	6.60	7.83	4.80	6.61	6.14	5.28	6.86	5.90	6.38	74.5	62
2. Current ratio	2.83	2.74	3.91	4.02	3.97	4.00	3.96	4.22	3.78	3.94	3.86	4.35	1.83	4.25
			3.71	3.79	3.72	3.77	3.74	3.95	3.59	3.69	3.63	4.12		4.00
			10.58	12.45	12.95	11.53	10.55	12.88	9.42	10.49	9.70	8.44		11.02
			3.56	4.04	4.78	4.87	5.30	6.51	4.95	6.75	6.40	8.11		6.91
3. ROA (excludes other operating income/grant support)	0.06%	0.02%	-0.16%	-0.09%	0.04%	-0.22%	-0.15%	-0.09%	-0.39%	-0.12%	-0.03%	-0.13%	-2.2%	-0.01
Power Business			0.25%	0.26%	0.38%	0.17%	0.15%	0.27%	-0.03%	0.21%	0.33%	0.27%		0.02
Water Business			-6.53%	-4.54%	-3.33%	-5.84%	-3.90%	-4.51%	-5.29%	-2.10%	-1.96%	-2.59%		-0.19
Sewer Business			-1.06%	-0.98%	-0.90%	-1.07%	-0.89%	-0.98%	-1.22%	-0.99%	-1.03%	-1.14%		-0.10
4. Operating ratio	0.76	0.80	0.85	0.82	0.78	0.87	0.83	0.83	0.94	0.85	0.81	0.86	0.83	0.84
Power Business			0.76	0.75	0.73	0.78	0.77	0.77	0.85	0.79	0.75	0.78		0.77
Water Business			1.87	1.35	1.09	1.90	1.26	1.41	1.57	1.38	1.40	1.66		1.44
Sewer Business			3.67	2.92	2.27	3.29	2.38	2.66	3.78	2.21	2.75	3.22		2.81
5. Days in Accounts Receivable			24.10	26.87	23.13	24.90	25.43	25.69	26.26	24.22	25.44	23.82		19.92
Power Business			15.01	17.29	14.64	15.31	15.46	16.13	16.19	14.69	15.91	15.13		12.00
Water Business			196.34	159.24	117.65	188.22	126.26	138.17	151.48	114.90	118.52	91.04		99.03
Sewer Business			218.57	215.88	182.19	257.67	238.76	267.30	320.45	246.58	343.35	373.40		245.22

Power Table 1 Power Operation Indicators – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY2017	YTD 2018
Generation Statistics														
Diesel Generation - kWh	1,482,530	1,423,860	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	16,090,838	14,259,323
Peak Generation - kW	2,850	2,806	2,941	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	2,850	2,941
Fuel Consumption - Gallons	98,218	95,297	98,145	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	1,079,209	950,598
Average Fuel Price (\$/Gallon)	2.86	2.91	3.04	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	2.88	32.88
Load Factor (%)	71%	69%	68%	70%	74%	73%	66%	73%	68%	71%	67%	71%	63%	67%
Capacity Factor (%)	51%	50%	53%	49%	47%	46%	46%	48%	52%	51%	50%	49%	39%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	200%	300%	400%	500%	100%	100%
Reserve Plant Margin (%)	174%	178%	165%	185%	195%	205%	202%	191%	169%	173%	176%	182%	125%	165%
Solar PV Generation - kWh	29,437	29,584	27,008	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	334,993	263,788
Solar Generation %	1.9%	2.0%	1.8%	1.6%	1.7%	1.8%	1.9%	2.0%	1.9%	1.8%	1.8%	1.8%	2.0%	1.8%
Peak PV Generation -kW	230	231	211	186	197	195	195	228	217	213	204	213	161	152
Avoided Fuel - Gallons	1,950	1,980	1,805	1,596	1,654	1,671	1,643	1,943	1,853	1,830	1,758	1,832	22,455	13,996
Avoided Cost of Fuel - US\$	5,578	5,762	5,486	4,924	5,211	5,374	5,489	6,413	6,096	6,224	6,205	6,466	64,767	45,216
Tons of CO2 avoided	19.7	20.0	18.2	16.1	16.7	16.9	16.6	19.6	18.7	18.5	17.8	18.5	227.7	141.4
Labour Productivity (kWh/Emp/d)	1,655	1,589	1,639	1,589	1,608	1,543	1,420	1,610	1,634	1,670	1,560	1,643	1,378	1,466
SFOC (kWh/gal)	15.09	14.94	14.97	14.95	15.28	14.95	15.16	15.03	15.00	14.90	14.89	14.90	14.91	15.00
DG1 - GE 1.8	15.10	14.96	15.05	15.00	15.33	15.60	16.03	15.28	15.56	15.42	15.39	15.38	15.19	15.41
DG2 - GE 1.8	15.10	14.95	14.91	15.03	15.44	13.91	15.02	15.04	12.96	0.00	0.00	15.09	15.21	14.97
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	14.22	14.18	14.36	12.45	14.61	14.58	12.69	14.58	14.27	14.32	14.23	14.26	14.76	14.24
DG5 - CAT 1.3	14.24	14.08	14.26	10.28	14.04	14.53	14.01	14.73	14.26	14.35	14.42	13.09	14.83	14.20
SLOC (kWh/gal)	7,128	3,423	3,079	3,423	3,373	7,900	3,270	5,657	7,071	3,649	6,353	3,803	5,102	4,240
DG1 - GE 1.8	6,988	7,629	2,121	6,026	7,339	7,981	2,301	5,535	8,436	3,340	6,954	4,471	6,038	4,334
DG2 - GE 1.8	7,179	2,173	5,432	2,497	1,941	3,494	1,624	0	0	0	0	0	5,375	3,224
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 (%)	26.8%	26.4%	27.7%	25.8%	24.9%	24.1%	24.3%	25.2%	27.3%	26.9%	26.6%	26.0%	30.0%	27.7%
Distribution Losses (%)	7.2%	7.8%	8.5%	8.7%	5.7%	7.8%	8.4%	7.5%	10.6%	7.5%	4.4%	6.7%	8.6%	75.6%
SAIDI (hours/consumer)	0.02	0.00	1.02	0.00	1.10	0.20	0.18	0.00	0.01	0.05	0.10	0.04	4.55	2.71
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	0.020
Average Cost (\$/kWh)	0.19	0.19	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.19	0.22

Power Table 2 Power Generation Statistics – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY 2017	FY2018 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	705,810	686,651	735,982	620,670	689,840	750,222	814,476	885,536	868,903	801,572	764,918	769,020	3,507,947	7,701,139
DG2 - GE 1.8	768,154	708,459	706,124	781,572	617,206	283,005	56,835	9,924	5,797	0	0	447,921	4,073,945	2,908,384
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	684,621	0
DG4 - CAT 1.3	5,646	20,416	21,235	13,694	77,797	109,864	97,070	333,831	392,170	226,753	294,660	64,518	4,159,398	1,631,592
DG5 - CAT 1.3	2,920	8,334	5,543	7,918	55,592	239,356	303,752	213,185	196,890	467,581	338,059	190,332	3,635,306	2,018,208
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	29,620	0
Diesel Generation Total (kWh)	1,482,530	1,423,860	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	16,090,838	14,259,323
Airport Solar Panel	6,585	7,356	6,720	6,263	6,858	6,249	6,857	5,060	6,227	4,803	5,322	4,761	82,277	59,119
High School Solar Grid Connect	22,852	22,228	20,288	17,597	18,411	18,745	18,059	24,139	21,568	22,472	20,850	22,540	252,716	204,669
Solar PV Generation Total (kWh)	29,437	29,584	27,008	23,860	25,269	24,994	24,916	29,199	27,795	27,275	26,172	27,301	334,993	263,788
Total Generation (kWh)	1,511,967	1,453,444	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	16,425,830	14,523,111
Maximum Demand (kW)	2,850	2,806	2,941	2,739	2,645	2,556	2,584	2,679	2,895	2,857	2,825	2,767	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)	6,337	6,627	8,759	7,169	8,732	9,022	14,533	14,080	16,756	13,148	16,749	23,240	85,068	132,188
Running Hours														
DG1 - GE 1.8	637	612	660	589	624	599	638	689	681	665	639	711	3,308	6,495
DG2 - GE 1.8	677	623	642	686	574	256	50	10	7	0	0	432	3,655	2,657
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	798	0
DG4 - CAT 1.3	11	30	31	18	115	127	180	353	459	278	385	115	4,714	2,061
DG5 - CAT 1.3	5	14	10	11	87	316	395	256	237	553	437	269	4,208	2,571
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	41	0
Total Hours	1,330	1,279	1,343	1,304	1,400	1,298	1,263	1,308	1,384	1,496	1,461	1,527	16,722	13,784

Power Table 3 Fuel & Lube Oil Statistics – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY 2017	FY2018 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	46,731	45,886	48,906	41,366	45,002	48,096	50,796	57,966	55,846	51,967	49,717	50,005	230,968	499,667
DG2 - GE 1.8	50,885	47,379	47,371	52,005	39,979	20,343	3,785	660	447	0	0	29,682	267,890	194,273
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	50,977	0
DG4 - CAT 1.3	397	1,440	1,479	1,100	5,325	7,537	7,649	22,899	27,483	15,839	20,709	4,525	281,895	114,546
DG5 - CAT 1.3	205	592	389	770	3,958	16,475	21,674	14,474	13,805	32,588	23,437	14,542	245,093	142,111
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	2,385	0
Total Fuel Consumption (Gals)	98,218	95,297	98,145	95,242	94,265	92,451	83,904	95,999	97,581	100,394	93,863	98,754	1,079,209	950,598
Average Fuel Price (\$/Gallon)	2.86	2.91	3.04	3.09	3.15	3.22	3.34	3.30	3.29	3.40	3.53	3.53	2.88	3.29
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	101	90	135	103	94	94	89	160	103	0	110	172	396	1,060
DG2 - GE 1.8	107	114	130	101	81	81	35	0	0	0	0	25	396	453
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	0	0	0	0	15	0	0	0	0	0	10	0	0	25
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	9	0	5	0	10	14
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	208	204	265	204	190	175	124	160	112	0	125	197	802	1,552
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	0	0	212	0	0	0	265	0	0	240	0	0	185	717
DG2 - GE 1.8	0	212	0	212	237	0	0	0	0	0	0	0	362	449
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	0	0	95	0	95	855	190
DG5 - CAT 1.3	0	0	0	0	0	0	0	95	95	75	95	95	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)	0	212	212	212	237	0	265	95	95	410	95	190	2,352	1,811

Power Table 4 Distribution Feeder Statistics

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	2017 YTD	2018 YTD
Feeder 1 Load	386,593	371,488	384,364	378,113	379,445	373,740	337,024	390,261	392,615	408,635	388,111	397,981	2,955,807	3,830,289
Feeder 2 Load	117,152	120,065	122,589	124,585	126,251	123,941	111,784	126,393	127,629	124,573	112,270	117,490	1,496,026	1,217,505
Feeder 3 Load	486,946	459,278	467,146	444,911	440,356	414,923	383,908	429,225	412,167	418,084	412,284	439,104	5,060,817	4,262,108
Feeder 4 Load	403,132	387,677	404,303	386,163	399,296	376,959	349,067	390,147	378,916	386,126	341,765	357,225	5,301,320	3,769,966
Feeder 5 Load	107,287	103,742	104,290	101,777	106,781	104,682	95,828	116,198	158,131	166,415	148,790	159,108	980,892	1,262,000
Total Feeder Load (kWh)	1,501,110	1,442,250	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	15,794,862	14,341,868
														0
Feeder 1 Sales			337,341	317,849	342,476	333,252	284,561	348,192	319,342	352,439	335,551	342,521		3,313,524
Feeder 2 Sales			92,329	99,957	110,603	99,911	83,640	107,841	92,865	103,815	89,614	88,833		969,410
Feeder 3 Sales			413,110	383,048	388,891	359,044	337,654	363,674	339,801	358,328	368,224	358,796		3,670,571
Feeder 4 Sales			319,956	315,063	335,496	302,898	280,154	313,757	305,017	309,036	306,649	325,758		3,113,784
Feeder 5 Sales			71,501	74,282	85,398	74,360	73,870	82,994	130,183	137,661	124,197	127,795		982,241
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		12,049,530
Feeder 1 Loss - kWh			47,023	60,264	36,969	40,488	52,463	42,069	73,273	56,196	52,560	55,460		516,765
Feeder 2 Loss - kWh			30,260	24,628	15,648	24,030	28,144	18,552	34,764	20,758	22,656	28,657		248,095
Feeder 3 Loss - kWh			54,036	61,863	51,465	55,879	46,254	65,551	72,366	59,756	44,060	80,308		591,537
Feeder 4 Loss - kWh			84,346	71,101	63,799	74,061	68,913	76,390	73,899	77,090	35,116	31,467		656,182
Feeder 5 Loss - kWh			32,789	27,495	21,383	30,322	21,958	33,204	27,948	28,754	24,593	31,313		279,759
Total Feeder Loss - kWh			248,455	245,350	189,264	224,779	217,731	235,766	282,250	242,553	178,984	227,205		2,292,338
Feeder 1 Loss - %			12.2%	15.9%	9.7%	10.8%	15.6%	10.8%	18.7%	13.8%	13.5%	13.9%		13.5%
Feeder 2 Loss - %			24.7%	19.8%	12.4%	19.4%	25.2%	14.7%	27.2%	16.7%	20.2%	24.4%		20.4%
Feeder 3 Loss - %			11.6%	13.9%	11.7%	13.5%	12.0%	15.3%	17.6%	14.3%	10.7%	18.3%		13.9%
Feeder 4 Loss - %			20.9%	18.4%	16.0%	19.6%	19.7%	19.6%	19.5%	20.0%	10.3%	8.8%		17.4%
Feeder 5 Loss - %			31.4%	27.0%	20.0%	29.0%	22.9%	28.6%	17.7%	17.3%	16.5%	19.7%		22.2%
Total Feeder Loss - %			16.8%	17.1%	13.0%	16.1%	17.0%	16.2%	19.2%	16.1%	12.8%	15.4%		16.0%

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 – July 2018

Feeder	Residential	Commercial	Government
F01	293	1,789	6,068
F02	181	2,359	1,333
F03	218	3,800	161
F04	214	3,453	4,316
F05	156	3,133	1,717
Total	212	2,907	2,719

Power Table 6 Power Distribution Statistics – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY 2017	FY2018 YTD
Number of Outages (Frequency)														
Forced - Generation	1	0	0	0	0	0	0	0	1	1	1	1	18	4
Planned - Generation	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Total Number of Outages (Gen)	1	0	0	0	0	0	0	0	1	1	1	1	24	4
Forced - Distribution	5	0	0	0	2	1	0	0	5	5	5	5	107	23
Feeder 1	1	0	0	0	0	0	0	0	1	1	1	1	21	4
Feeder 2	1	0	0	0	0	1	0	0	1	1	1	1	28	5
Feeder 3	1	0	0	0	0	0	0	0	1	1	1	1	19	4
Feeder 4	1	0	0	0	0	0	0	0	1	1	1	1	18	4
Feeder 5	1	0	0	0	2	0	0	0	1	1	1	1	21	6
Planned - Distribution	0	0	5	0	2	0	1	0	0	0	1	0	40	9
Feeder 1	0	0	1	0	0	0	1	0	0	0	0	0	8	2
Feeder 2	0	0	4	0	1	0	0	0	0	0	0	0	9	5
Feeder 3	0	0	0	0	0	0	0	0	0	0	0	0	7	0
Feeder 4	0	0	0	0	1	0	0	0	0	0	1	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	5	0	4	1	1	0	5	5	6	5	147	32

Power Table 7 Power Outage Statistics – August 2017 to July 2018

	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	FY 2017	FY2018 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	21.3	0.3
Forced - Distribution	0.6	0.0	1.9	0.0	28.4	5.5	0.0	0.0	0.3	1.4	0.5	1.0	30.4	39.0
Feeder 1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	5.8	0.5
Feeder 2	0.1	0.0	1.9	0.0	0.0	5.5	0.0	0.0	0.1	0.1	0.1	0.2	9.7	7.8
Feeder 3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.2	4.8	0.9
Feeder 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	5.0	0.5
Feeder 5	0.1	0.0	0.0	0.0	28.4	0.0	0.0	0.0	0.1	0.5	0.1	0.2	5.2	29.3
Planned - Distribution	0.0	0.0	25.9	0.0	1.6	0.0	5.0	0.0	0.0	0.0	2.3	0.0	93.5	34.8
Feeder 1	0.0	0.0	4.1	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	19.1	9.1
Feeder 2	0.0	0.0	21.8	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	22.4
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	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.3	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)	0.6	0.0	27.8	0.0	30.0	5.5	5.0	0.0	0.3	1.4	2.8	1.0	123.8	73.7

Water Table 1 Water Production & Sales Data Statistics – August 2017 to July 2018

COMPANY WIDE DATA	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	FY2018
Water Production (Millions)													
WTP Production	386,600	1,099,400	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	13,020,100
Pink Apartment Volume start of Month	856,000	273,000	490,000	1,008,900	706,800	798,000	763,800	763,800	530,000	425,000	558,600	404,700	6,449,600
Pink Apartment Volume end of Month	585,000	490,000	1,008,900	706,800	798,000	763,800	1,105,400	1,105,400	425,000	558,600	404,700	450,300	7,326,900
Pink Apartment Vol in to Supply/(Storage)	485,000	-217,000	-518,900	302,100	-91,200	34,200	-341,600	-341,600	105,000	-133,600	153,900	-45,600	-877,300
Tankered volume for billing	23,000	8,000	37,000	7,000	7,000	8,000	8,000	8,000	58,000	26,500	26,500	12,000	198,000
Well Production (into supply)	17,518,300	18,203,000	20,473,500	19,526,200	20,173,000	18,933,800	20,814,200	20,877,200	21,912,700	19,821,100	21,912,700	21,439,900	205,884,300
Volume into network	18,366,900	19,077,400	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	217,829,100
Water Volume Bill (Millions)													
Commercial	1,280,507	2,170,822	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	14,853,330
Government (excludes hospital)	632,870	625,920	534,510	588,950	921,630	705,700	1,017,940	906,780	529,200	884,820	829,540	526,220	7,445,290
Government Hospital	590,900	652,200	490,200	571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	5,482,900
Residential	4,496,730	3,722,190	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	34,575,425
Water Delivery and Bunkering	30,900	76,250	24,325	13,000	0	25,000	0	0	0	0	0	0	62,325
Water Adjustment													0
Total	7,031,907	7,247,382	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	62,419,270
NRW													
Volume	11,334,993	11,830,018	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	155,409,830
Percentage	61.7%	62.0%	71.9%	69.6%	63.5%	76.5%	68.2%	70.5%	76.6%	69.0%	74.9%	72.2%	71.3%
Invoiced Water Value (\$USD)													
Water Delivery and Bunkering													0
Commercial	\$11,410	\$10,493	\$7,304	\$8,428	\$12,902	\$6,556	\$9,812	\$8,474	\$8,010	\$9,550	\$7,748	\$9,578	88,362
Government (includes hospital)	\$5,793	\$6,427	\$4,864	\$5,721	\$5,929	\$4,524	\$5,175	\$6,509	\$4,473	\$6,285	\$6,073	\$4,539	54,092
Residential	\$9,223	\$9,993	\$9,182	\$9,953	\$10,720	\$6,703	\$9,391	\$8,077	\$7,195	\$9,756	\$8,294	\$9,281	88,551
Total	\$26,426	\$26,912	\$21,350	\$24,101	\$29,550	\$17,784	\$24,378	\$23,060	\$19,678	\$25,591	\$22,115	\$23,398	\$231,004
Sewer Charge (\$USD)													
Commercial	\$3,661	\$4,004	\$2,833	\$3,503	\$4,965	\$2,959	\$4,408	\$3,731	\$3,283	\$3,293	\$2,994	\$3,204	35,172
Commercial - w/o water	\$3,537	\$3,742	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	36,850
Government	\$2,728	\$2,993	\$2,326	\$2,584	\$2,792	\$2,155	\$2,455	\$3,112	\$2,159	\$2,976	\$2,937	\$2,057	25,555
Residential	\$675	\$778	\$529	\$623	\$819	\$373	\$590	\$579	\$465	\$643	\$588	\$740	5,948
Residential w/o water	\$1,790	\$1,810	\$1,670	\$1,890	\$1,920	\$1,650	\$1,640	\$1,675	\$1,690	\$1,690	\$1,660	\$1,720	17,205
Total	\$12,390	\$13,326	\$11,042	\$12,286	\$14,181	\$10,822	\$12,779	\$12,782	\$11,282	\$12,287	\$11,864	\$11,405	\$120,731

Water Table 2 Water/Sewer Connection Data – August 2017 to July 2018

COMPANY WIDE DATA	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	FY2018
Water Connection Data (No. of Connections)													
Commercial - Billed	72	72	79	79	78	79	83	83	82	82	82	79	79
Commercial - Disconnected	6	6	2	2	2	2	0	0	1	1	1	2	0
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Ave Consumption - Gall/conn/mth 17,785		30,150	14,748	17,799	26,683	15,923	16,889	17,466	17,227	20,868	17,789	19,099	188,017
Government - Billed	18	18	18	18	17	17	18	18	17	16	15	14	14
Government - Disconnected	5	5	5	5	6	6	5	5	6	7	7	1	1
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Ave Consumption - Gall/conn/mth 35,159		34,773	29,695	32,719	54,214	41,512	56,552	50,377	31,129	55,301	55,303	37,587	531,806
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 Ave Consumption - Gall/conn/mth				571,500	590,000	498,300	508,900	677,900	494,800	548,600	589,600	513,100	5,482,900
Residential - Billed	336	352	369	374	374	376	382	390	392	395	394	367	367
Residential - Disconnected	139	123	102	102	102	102	98	92	91	91	92	49	49
Residential - Meter Pulled	89	89	93	93	93	93	93	93	93	93	93	31	31
Residential Ave Consumption - Gall/conn/mth 13,383		10,574	10,275	10,779	11,320	6,164	9,646	7,968	7,257	9,396	7,659	10,450	94,211
Sewer Connection Data (No. of Connections)													
Commercial Billed	45	44	47	45	41	39	45	45	44	43	41	45	45
Commercial Billed w/o water	53	53	53	53	53	53	53	53	53	53	53	53	53
Government Billed	17	17	17	17	16	16	17	17	16	15	15	13	13
Residential Billed	169	173	181	170	175	172	180	180	178	179	180	189	189
Residential Billed w/o water	179	180	162	189	192	160	164	164	169	169	162	175	175
STP Inflow (MG/month)	13.9	14.6	17.8	13.5	24.2	14.3	24.0	17.8	18.7	18.1	24.9	16.3	190
SEWER OVERFLOW W/O's													
North Zone	0	0	2	3	1	1	1	3	0	2	3	4	20
South Zone	1	2	3	2	0	3	1	0	6	3	1	1	20

Water Table 3 Zonal Water Use Statistics - FY2018

ZONAL NRW - July 2018					ZONAL NRW - FY2018 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	946,300	54,920	891,380	94%	1	5,000,100	994,950	4,005,150	80%
2	18,031,400	4,772,310	13,259,090	74%	2	156,436,800	45,048,945	111,387,855	71%
3	507,000	28,000	479,000	94%	3	11,402,000	426,537	10,975,463	96%
4	908,400	246,360	662,040	73%	4	8,809,100	1,891,180	6,917,920	79%
5	20,000	1,200	18,800	94%	5	190,000	20,000	170,000	89%
6	1,767,200	910,350	856,850	48%	6	21,609,400	10,645,040	10,964,360	51%
7	300,000	207,570	92,430	31%	7	676,500	812,500	-136,000	-20%
8	496,000	162,510	333,490	67%	8	5,490,700	2,580,118	2,910,582	53%
Total	22,976,300	6,383,220	16,593,080	72%	Total	209,614,600	62,419,270	147,195,330	70%
ZONAL WATER CONSUMPTION - July 2018					ZONAL WATER CONSUMPTION - FY2018 YTD				
Zone	Avge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	6,160	0	-	4,063	1	7,980	0	-	82,248
2	0	44,103	-	9,922	2	201,507	553,873	-	86,595
3	0	0	-	4,000	3	0	0	-	60,934
4	0	0	-	27,373	4	0	0	-	210,131
5	0	0	-	1,200	5	0	0	-	20,000
6	4,697	0	513,100	0	6	47,103	0	5,482,900	139,415
7	0	0	-	41,514	7	0	0	-	162,500
8	0	21,298	-	7,667	8	0	476,640	-	61,932
Total	19,099	37,587	513,100	10,450	Total	188,017	531,806	5,482,900	94,211

Work Order Summary – End July 2018

Work Order Performance July 2018						
Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	4	0	0	0	1	3
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	78	10	10	0	2	86
REVENUE	117	10	13	0	7	120
SEWER	3	0	0	0	2	1
WATER	38	12	13	0	1	49
TOTAL ALL WORK ORDERS	240	32	36		13	259

Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and New	WO Outstanding At End
INTERNAL MAINTENANCE	1.7%	0.0%	25.0%	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%	0.0%
POWER	32.5%	31.3%	2.3%	33.2%
REVENUE	48.8%	31.3%	5.5%	46.3%
SEWER	1.3%	0.0%	66.7%	0.4%
WATER	15.8%	37.5%	2.0%	18.9%
TOTAL ALL WORK ORDERS			4.8%	

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



HEALTH & SAFETY REPORT: FY2018 - July 2018

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	July 2018						YEAR TO DATE - FY2018					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	10	1,701	0	0	0	0	0	17,346	0	0	0	0	0
Maintenance	5	957	0	0	0	0	0	8,083	0	0	0	0	0
Power Distribution - Line	17	2,869	0	0	0	0	0	25,284	0	0	0	0	0
Power Distribution - Contractors	11	1,910	0	0	0	0	0	16,488	0	0	0	0	0
Water & Sewer	10	1,352	0	0	0	0	0	12,038	0	0	0	0	0
Water & Sewer Contractors	11	2,073	0	0	0	0	0	21,978	0	0	0	0	0
Fin, Admin, Cust Care	20	3,023	0	0	0	0	0	24,853	0	0	0	0	0
TOTAL	84	13,884	0	0	0	0	0	126,071	0	0	0	0	0

FA - Number of First Aid cases **Total Hours Without Incident: - Whole Company** **638,309**

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 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	116	0	116
Maintenance	5	31	0	31
Power Distribution - Line	17	112	0	112
Power Distribution - Customer	11	0	0	0
WSS_ Treatment/Prod	10	104	0	104
WSS Networks	11	0	0	0
Finance, Admin Cust Coord	20	132	0	132
TOTAL	84	495	0	495
Sick Hours as Percentage of Total Hours Worked		3.6%	0.0%	3.6%

Year To Date FY2018				
Total Hours Sick	Accident Related		Poor Health	
1,076	0	0	###	0
415	0	0	415	0
1,644	0	0	###	0
0	0	0	0	0
733	0	0	733	0
0	0	0	0	0
1,986	0	0	###	0
5855	0	0	5855	0
4.6%	0.0%	0.0%	4.6%	0.0%

DEPARTMENT	Number of Staff	July 2018		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	6.8%	0.0%	6.8%
Maintenance	5	3.3%	0.0%	3.3%
Power Distribution - Line	17	3.9%	0.0%	3.9%
Power Distribution - Customer	11	0.0%	0.0%	0.0%
WSS_ Treatment/Prod	10	0.0%	0.0%	0.0%
WSS Networks	11	0.0%	0.0%	0.0%
Finance, Admin Cust Coord	20	4.4%	0.0%	4.4%
TOTAL	84	3.6%	0.0%	3.6%

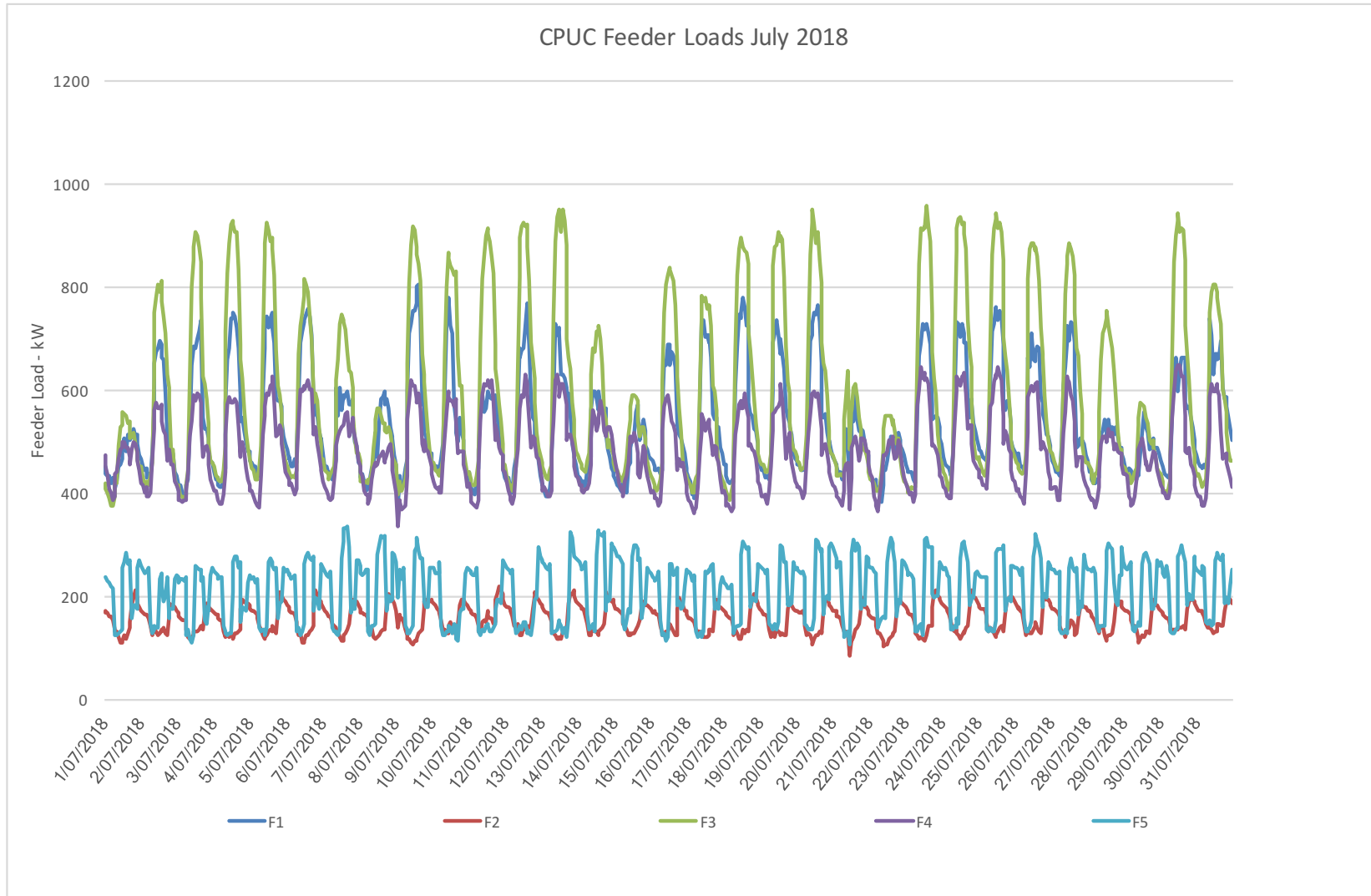
Administration Table 2 Attendance Summary - July 2018 & FY 2018

DEPARTMENT	July 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	1,521	180	0	116	110	1,927	24	14,336	3,009	351	1,076	1,156	19,928	35	5.4%
Maintenance	5	806	151	0	31	26	1,014	33	6,901	2,113	157	415	432	10,017	49	4.1%
Power Distribution - Line	17	2,740	129	0	112	155	3,137	0	25,498	2,825	668	1,644	1,764	32,399	41	5.1%
Power Distribution - Contractors	11	1,910	0	0	0	0	1,910	0	18,344	48	35	0	26	18,453	0	0.0%
Water & Sewer	10	1,337	15	0	104	135	1,590	17	12,147	1,228	336	733	1,074	15,518	48	4.7%
Water & Sewer Contractors	11	2,073	0	0	0	0	2,073	0	24,391	67	19	0	0	24,477	0	0.0%
Fin, Admin, Cust Care	20	2,765	257	0	132	245	3,399	8	24,876	2,803	836	1,986	2,503	33,004	36	6.0%
TOTAL EMPLOYEES	84	13,152	732	0	495	670	15,049	82	126,493	12,093	2,403	5,855	6,955	153,797	210	3.8%
REGULAR STAFF	62	9,169	732	0	495	670	11,066	82	83,758	11,978	2,348	5,855	6,929	110,867	210	
Hours as % of Total Hours Claimed		82.9%	6.6%	0.0%	4.5%	6.1%		0.7%	75.5%	10.8%	2.1%	5.3%	6.2%		0.2%	
CONTRACT STAFF	22	3,983	0	0	0	0	3,983	0	42,735	115	54	0	26	42,930	0	
Hours as % of Total Hours Claimed		100.0%	0.0%	0.0%	0.0%	0.0%		0.0%	99.5%	0.3%	0.1%	0.0%	0.1%		0.0%	

CAPEX Table 1 Capex Summary Sheet – July 2018

Chuuk Public Utility Corporation Capex Summary Sheet as of July 31, 2018								
	A	B	C	D (B-C)	E (A-B)	F	(A+A1-F)	G (F-C)
Project	Total Value	Commitment	Expended	Commitment Balance	Uncommitted	Cash Drawdown	OIA Balance	Cash Balance
FY 2018 Professional management - D18AF00029	266,298	266,298	175,391	90,907	0	133,149	133,149	-42,242
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	262,258	329,990	-67,732	487,742	415,000	335,000	85,010
Total	1,016,298	528,556	505,381	23,175	487,742	548,149	468,149	42,768

Graph Showing Feeder Loads in kW – July 2018



Graph Showing Generation Output in kW - July 2018

