

CHUUK PUBLIC UTILITY CORPORATION

Monthly Operations Report

October 2016



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Table of Contents

EXECUTIVE SUMMARY 3

1 FINANCIAL PERFORMANCE GRAPHS..... 4

2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS 6

3 WATER PERFORMANCE GRAPHS..... 8

Financial Table 1 P & L Statement – November 2015 to October 2016 9

Financial Table 2 Cash Flow and A/R Report – November 2015 to October 2016.....10

Financial Table 3 Power Sales Report – November 2015 to October 2016 11

Financial Table 4 Water Sales Report – November 2015 to October 2016..... 12

Financial Table 5 Key Performance Indicators – November 2015 to October 2016..... 13

Power Table 1 Power Operation Indicators – November 2015 to October 201614

Power Table 2 Power Generation Statistics – November 2015 to October 2016 15

Power Table 3 Fuel & Lube Oil Statistics – November 2015 to October 201616

Power Table 4 Power Distribution Statistics – November 2015 to October 201616

Power Table 5 Power Outage Statistics – November 2015 to October 2016 17

Water Table 1 Water Production & Sales Data Statistics November 2015 to October 201618

Water Table 2 Water/Sewer Connection Data – November 2015 to October 201619

Water Table 3 Zonal Water Use Statistics – FY2017 20

Administration Table 1 H&S Statistics – October 2016 & FY 2017..... 21

Administration Table 2 Attendance Summary – October 2016 & FY 2017.....22

CAPEX Table 1 Major Capex Project Summary – October 2016 23

CAPEX Table 2 Capex Summary Sheet – End October 2016 24

EXECUTIVE SUMMARY

SUMMARY OF KEY STATISTICS

	Oct-16	YTD 2017	US\$/kWh Sold		US\$/kWh generated	
			Oct 16	YTD 2017	Oct-16	2017 YTD
Revenue	535,318	535,318	0.490	0.490	0.400	0.400
Variable Costs	253,172	253,172	0.232	0.232	0.189	0.189
Fixed Costs	186,999	186,999	0.171	0.171	0.140	0.140
Total Expenses	440,171	440,171	0.403	0.403	0.329	0.329
Operating result	95,148	95,148	0.087	0.087	0.071	0.071
	kWh	kWh				
Power generation	1,338,296	1,338,296				
Diesel	1,311,890	1,311,890				
Solar	26,406	26,406				
Solar PV as % of Total Generation	2.0%	2.0%				
Avoided Cost of Fuel - US\$	4,833	4,833				
Tons of CO2 Avoided	17.9	17.9				
					Sales	
Government Sales	233,215	233,215	Feeder	Conn's	Oct-16	2017 YTD
Commercial Sales	574,624	574,624	F1	317	248,739	248,739
Residential Sales	245,604	245,604	F2	349	54,890	54,890
Intercompany Sales	51,767	51,767	F3	462	345,383	345,383
Sales Accrual	-11,832	-11,832	F4	526	386,856	386,856
Total Sales	1,093,378	1,093,378	F5	362	59,985	59,985
Power Loss	18.3%	18.3%	Total	2,016	1,095,853	1,095,853
Operating ratio	0.83	0.82	NB - Error on Total and Feeder sales YTD is <0.1%; within limits;			
Water Produced - Gallons	21,364,900	21,364,900				
Water Sold - Gallons	8,467,450	8,467,450				
Non Revenue Water	60.4%	60.4%				

Daily generated output in October was 43,171 kWh/day; 0.4% higher than August . Average daily sales were 35,662kWh/day; 0.8% lower than August. Total power loss was 18.3%.

Average fuel efficiency in October remained as September at 14.7 kWh/gallon

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

Government – 19.3%; Commercial – 54.0%; Residential –21.7%; Intercompany 5.1%; Accrual -0.1%;

Solar PV generation in September was 26,406 kWh down by xx% on September or 2.0% of total generation. The avoided cost of fuel was US\$4,833 and the amount of Carbon Dioxide avoided was 17.9 tons.

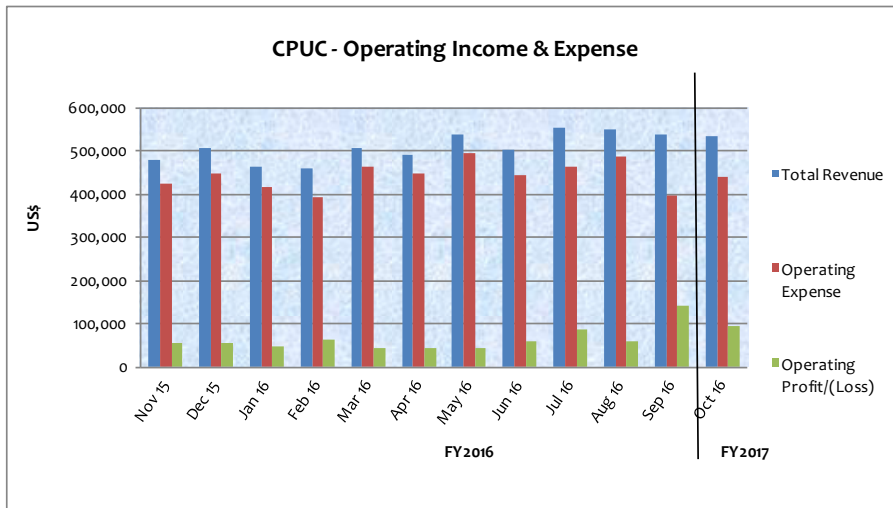
From a commercial perspective the operating result for October was US\$85,148 with an operating ratio of 0.83.

Non-revenue water was improved on FY2016 at 60.4% and reflected work being carried out to reduce commercial losses and manage production at lower levels.

Work on the power plant project is on schedule. RJE have been working on civil site preparation works. The refurbishment of the office is progressing well by local contractor with completion by early December, they were also awarded a variation to their contract for the construction of a retaining wall at the mountain end of the site.

Rebuilding of the power distribution line from Sapuk Junction to Tunnuk is ongoing – this was approximately 80% complete at the end of October and is on schedule to be completed by the end of December 2016.

1 FINANCIAL PERFORMANCE GRAPHS



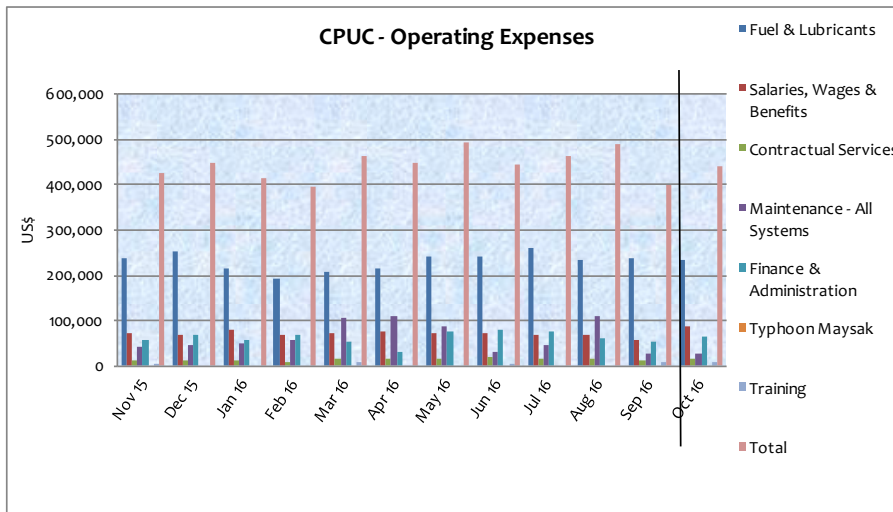
1.1 Key Points:

FY2017 Operating income before Depreciation & Interest :

October 2016 US\$95;

FY2016 US\$760,844

Operating ratio: September 0.74: FY2016 - 0.86



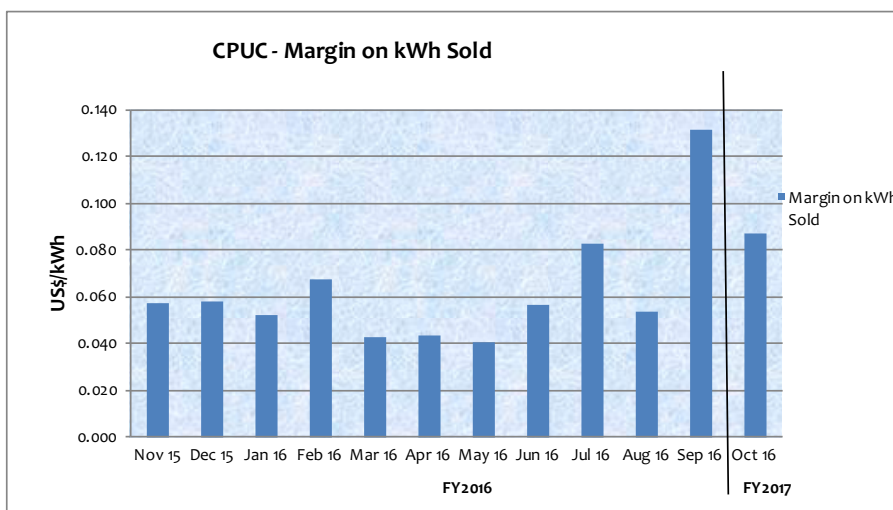
1.2 Key Points:

Price of Fuel in September:

US\$2.70/gallon;

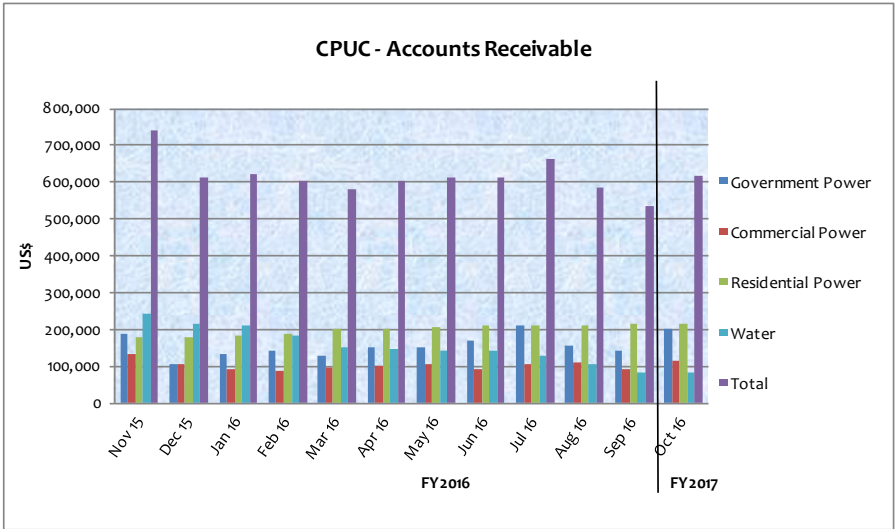
Avg Price FY2016

US\$2.70/gallon



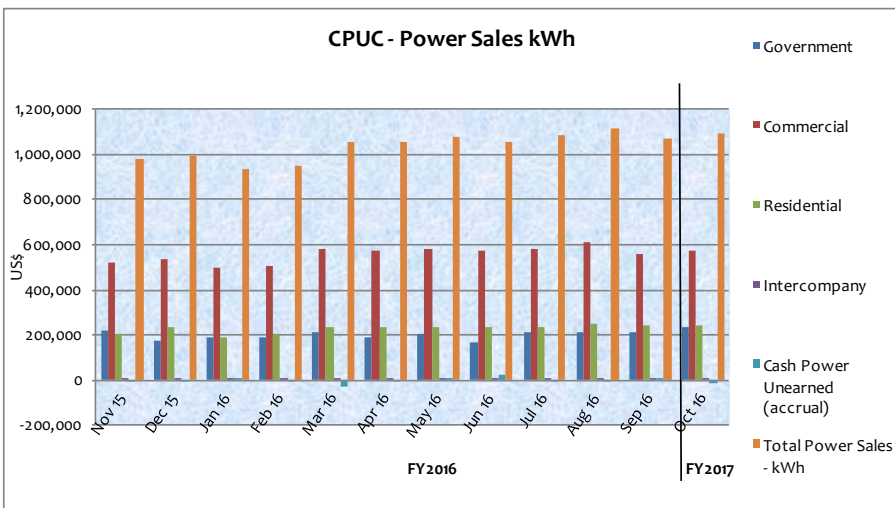
1.3 Key Points:

Avg for FY2016 US\$ 0.087/kWh sold

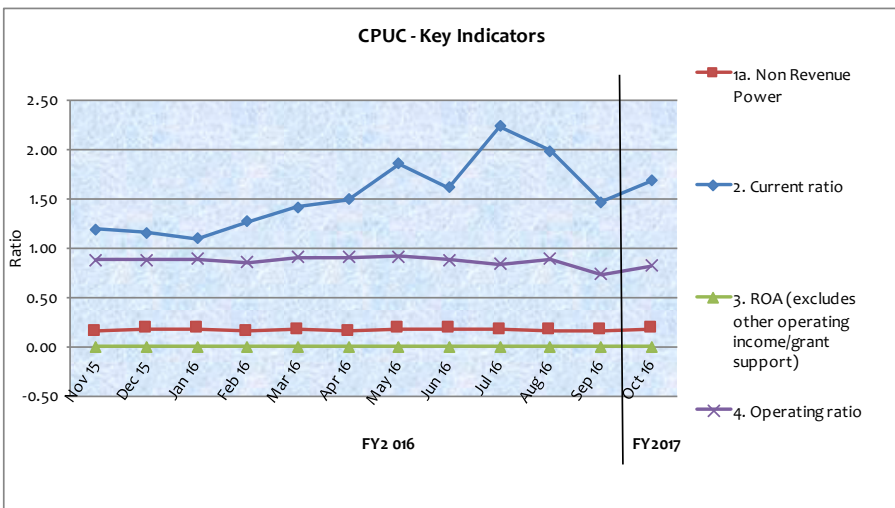


1.4 Key Points:

A sustained effort is being made by the billing department to reduce water arrears; Initial indications are that the efforts are working; A collection target of 95% has been set for FY2016;

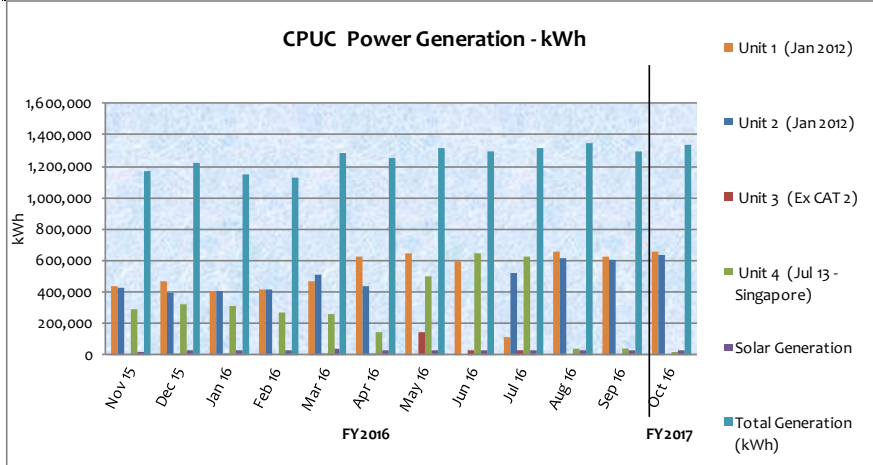


1.5 Key Points:

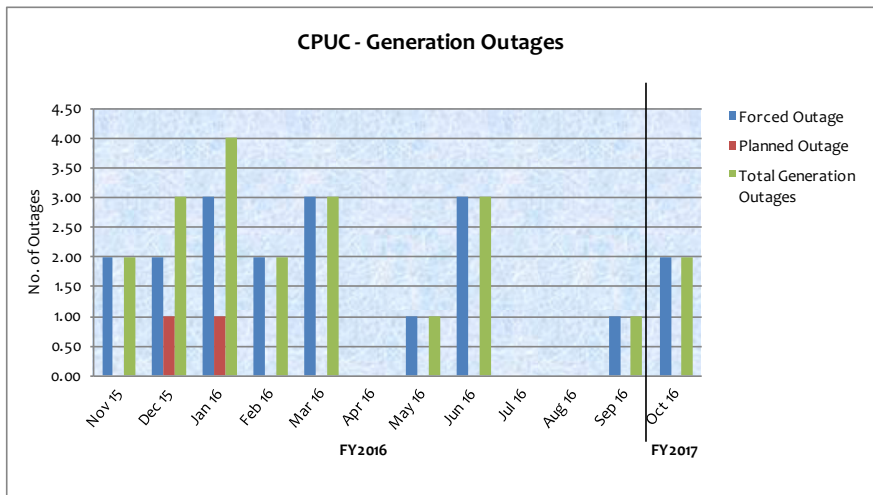


1.6 Key Points:

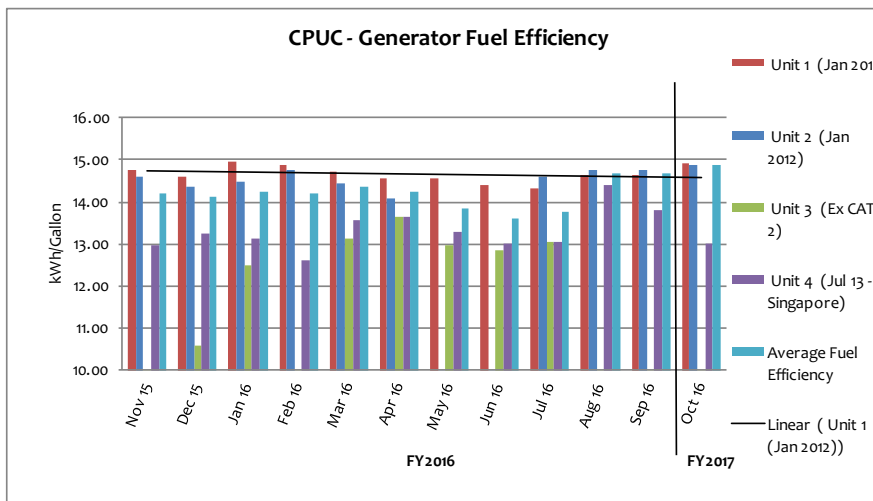
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

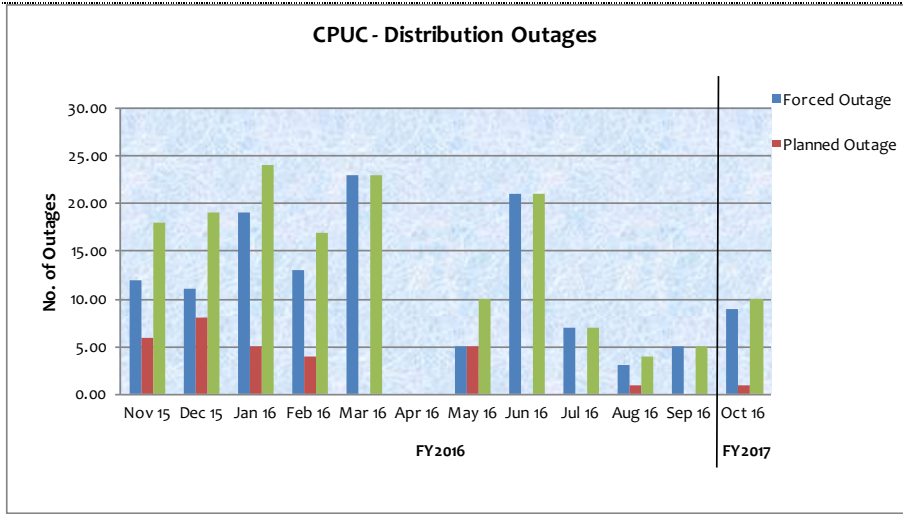


2.2 Key Points:

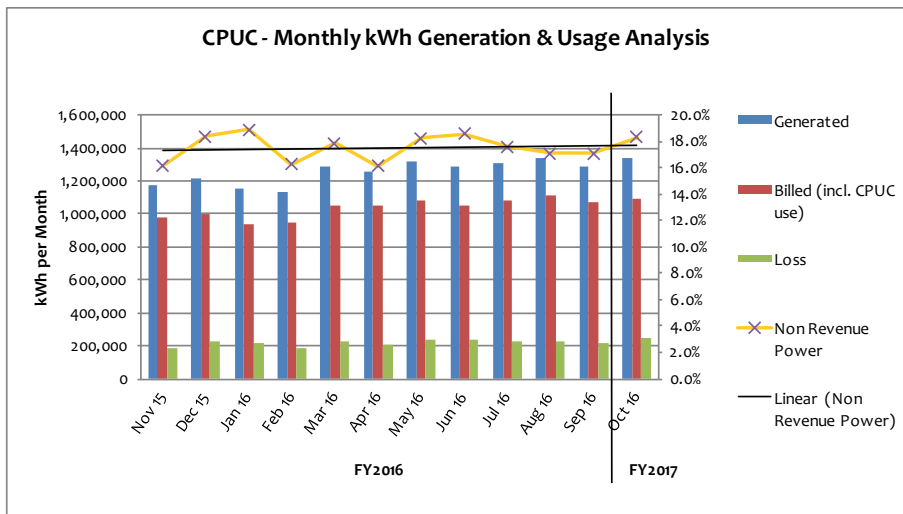


2.3 Key Points:

Avg fuel efficiency
FY2016 =
14.6kWh/gall.

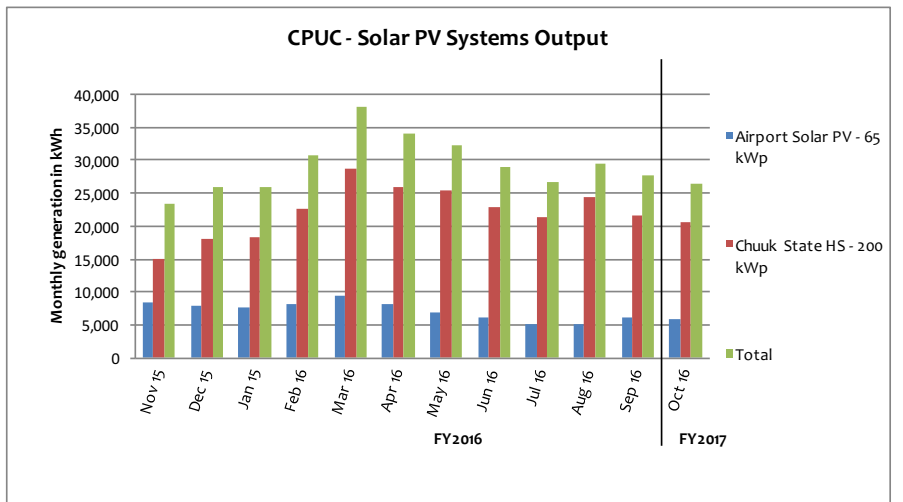


2.4 Key Points



2.5 Key Points:

Power loss avg. for FY2016 – 17.5%



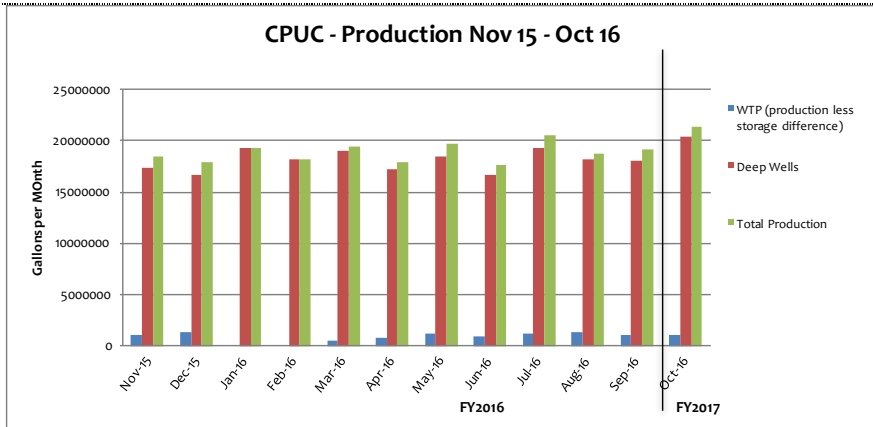
2.6 Key Points:

Solar PV accounted for 2.4% of CPUC generation in FY2016;

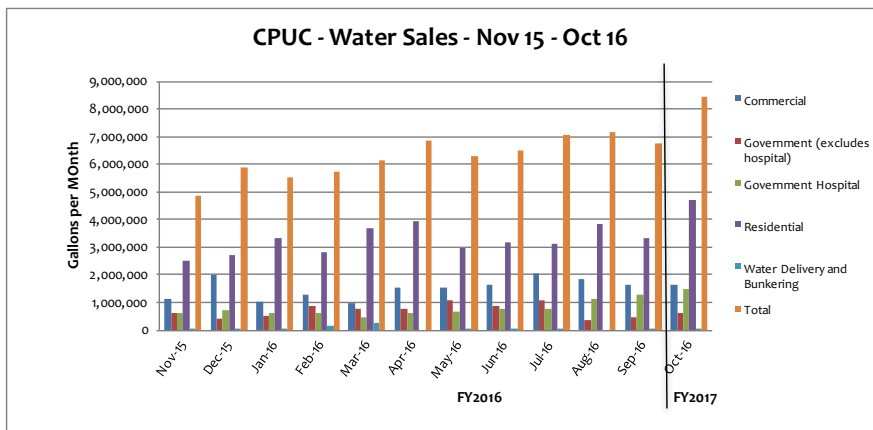
Avoided cost of fuel was: US\$67,317;

Avoided Tons of CO2 was 253.9 Tons.

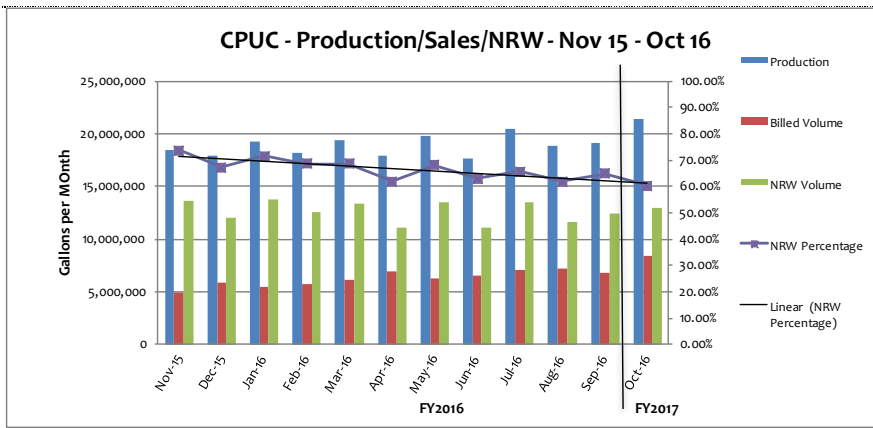
3 WATER PERFORMANCE GRAPHS



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



Key Points:



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

Financial Table1 P & L Statement – November 2015 to October 2016

Revenue - US\$	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY 2016	FY2017 YTD
Operating revenue:														
a. Power Sales	442,147	459,407	416,777	405,883	438,722	446,808	465,188	458,828	488,710	497,252	486,652	487,625	5,449,988	487,625
b. Water Sales	18,319	23,069	19,937	20,426	20,800	25,052	24,293	24,280	27,755	26,912	22,701	29,946	282,889	29,946
c. Sewer Sales	10,929	13,076	11,103	11,148	10,291	11,922	13,313	13,364	13,250	12,771	12,378	14,245	148,674	14,245
d. I/company Power Sales (in Power Sales from Oct 15)	-	-	-	-	-	-	-	-	-	-	-	-	0	0
d.Other operating revenue	8,747	10,308	16,437	20,671	38,634	8,154	34,902	6,812	23,000	11,570	17,646	3,502	215,270	3,502
Revenue - Total	480,143	505,860	464,254	458,127	508,447	491,935	537,697	503,285	552,715	548,506	539,377	535,318	6,096,822	535,318
Expenses - US\$														
Fuel & Lubricants	236,880	252,887	213,491	192,177	206,275	213,943	242,003	242,754	258,693	235,811	236,408	232,779	2,773,125	232,779
Salaries, Wages & Benefits	73,686	67,242	81,706	69,513	74,336	75,794	72,072	72,323	68,383	67,328	58,225	89,073	854,982	89,073
Contractual Services	11,908	13,824	13,830	9,533	14,633	17,578	15,500	19,807	15,602	14,367	12,891	17,284	172,034	17,284
O&M - Power Generation	20,814	6,688	7,737	31,693	43,656	71,121	62,028	8,180	14,495	70,700	7,373	5,744	364,702	5,744
O&M - Power Distribution	6,646	16,453	18,917	8,431	17,486	14,144	2,585	6,687	11,544	9,002	14,605	5,515	132,516	5,515
O&M - Water	2,860	2,177	3,160	6,171	27,360	10,666	10,153	1,336	5,980	9,462	-15,188	3,243	66,913	3,243
O&M - Sewer	0	0	1,630	229	3,596	0	338	928	743	873	649	705	11,760	705
Finance & Administration Overheads	43,045	48,065	39,127	49,753	33,698	7,945	53,901	58,610	54,129	41,962	33,325	43,596	508,139	43,596
Vehicle & Eq. Fuel	12,845	21,066	19,087	9,368	15,650	13,733	11,975	13,349	12,242	18,836	20,787	13,434	190,788	13,434
CPUC Power Usage (incl. in O&M from Oct 15)	15,602	19,792	17,285	17,305	19,697	21,656	23,394	19,713	21,858	20,631	21,405	20,393	237,605	20,393
Training	141	0	0	0	7,232	0	0	465	0	0	8,433	8,405	23,373	8,405
Expense - Total	424,427	448,193	415,970	394,172	463,619	446,578	493,951	444,153	463,668	488,971	398,912	440,171	5,335,937	440,171
Operating Income/(Loss)	55,716	57,667	48,284	63,954	44,828	45,357	43,746	59,132	89,047	59,535	140,466	95,148	760,884	95,148
Non-Cash Expenses - US\$														
Depreciation	47,495	47,495	47,495	47,495	47,495	47,495	47,495	47,495	47,495	47,495	151,246	98,146	673,686	98,146
Interest Expense	10,381	10,381	10,381	10,381	10,381	10,381	10,381	10,381	10,381	10,381	12,133	6,135	126,319	6,135
Non-Cash Expense - Total - US\$	57,875	57,875	57,875	57,875	57,875	57,875	57,875	57,875	57,875	57,875	163,378	104,281	800,005	104,281
Net Income/(Loss) - excluding grant support - US\$	-2,159	-208	-9,591	6,079	-13,047	-12,519	-14,129	1,257	31,171	1,659	-22,913	-9,133	-39,121	-9,133
Non-operating Income (Grant Support) - US\$														
	10	9	2	42,615	36	157	5	-3	13	2	306	386,241	43,156	386,241
Net Income/(Loss) - including grant support - US\$	-2,150	-200	-9,589	48,694	-13,011	-12,362	-14,124	1,254	31,184	1,662	-22,606	377,108	4,035	377,108

Financial Table 2 Cash Flow and A/R Report – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY2016	FY2017 YTD
Cash Flow Report - US\$														
Receipts	617,326	474,404	334,408	1,677,955	3,538,426	744,022	456,758	1,533,453	2,623,428	510,111	480,794	817,295	13,344,029	817,295
Disbursements	672,487	553,723	453,811	1,026,891	846,444	561,788	2,703,561	2,014,576	1,216,222	1,311,543	1,004,365	878,275	12,918,230	878,275
Net receipts/Disbursements	-55,161	-79,319	-119,403	651,064	2,691,982	182,234	-2,246,803	-481,123	1,407,206	-801,432	-523,571	-60,980	425,799	-60,980
Cash balance (beginning)	819,875	764,714	685,395	565,992	1,217,056	3,909,038	4,091,272	1,844,469	1,363,346	2,770,552	1,969,120	1,445,550	1,969,120	1,445,550
Cash balance (end)	764,714	685,395	565,992	1,217,056	3,909,038	4,091,272	1,844,469	1,363,346	2,770,552	1,969,120	1,445,550	1,384,570	1,445,550	1,384,570
Other Financial Data - US\$														
Cash in Hand	1,394	1,394	1,394	1,394	1,394	1,394	1,394	1,394	1,694	1,394	1,394	1,394	1,394	1,394
Cash in Banks (Bank Overdraft)	763,320	684,000	564,598	1,215,662	3,907,644	4,089,878	1,843,075	1,361,953	2,768,858	1,967,727	1,444,156	1,383,176	1,444,156	1,383,176
Stocks	2,102,746	2,086,581	2,062,995	1,233,096	1,242,951	1,370,376	1,369,145	1,413,151	1,262,914	1,398,125	1,202,928	1,216,385	1,202,928	1,216,385
Trade Receivable	515,527	394,707	423,790	412,339	402,274	438,968	458,402	473,195	604,139	472,006	432,192	527,503	432,192	527,503
Other Accounts Receivable (Due From)	1,021,502	1,019,925	1,034,558	1,037,199	1,030,719	1,024,240	1,034,026	1,123,706	1,133,795	1,125,760	1,134,799	1,144,297	1,134,799	1,144,297
Loans Payable	4,678,738	4,678,738	4,705,182	4,912,182	4,836,701	4,832,209	4,827,920	4,710,555	4,706,144	4,702,046	4,817,912	1,858,828	4,817,912	1,858,828
Payables to Suppliers & creditors	2,839,917	2,736,577	2,786,032	2,254,989	3,910,231	3,934,468	1,976,537	2,008,582	2,006,012	1,931,292	2,101,725	4,813,813	2,101,725	4,813,813
Total Accounts Receivable (to date) - US\$														
Government Power	186,584	108,529	134,897	142,271	128,921	150,509	151,591	169,124	212,279	155,594	143,797	200,615	143,797	200,615
Commercial Power	131,933	106,292	95,297	86,720	98,324	101,591	106,705	93,703	107,626	111,225	93,596	114,597	93,596	114,597
Residential Power	178,582	180,865	184,460	187,587	201,722	204,364	208,539	209,443	210,534	211,923	214,622	216,303	214,622	216,303
Water	243,101	215,951	209,690	185,167	152,422	149,696	145,446	141,440	130,913	107,757	82,136	84,091	82,136	84,091
Sewer	100,972	106,769	115,942	127,090	137,381	144,508	157,821	171,186	254,487	197,207	209,741	223,597	209,741	223,597
Allowance for Doubtful	-325,645	-323,698	-316,495	-316,495	-316,495	-311,700	-311,700	-311,700	-311,700	-311,700	-311,700	-311,700	-311,700	-311,700
Total	515,527	394,707	423,790	412,339	402,274	438,968	458,402	473,195	604,139	472,006	432,192	527,503	432,192	527,503

Financial Table 3 Power Sales Report – November 2015 to October 2016

Power Sales Report	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY2016	FY2017 YTD
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Government - Post Paid	59,435	58,401	56,990	52,208	54,406	54,139	54,197	57,194	59,896	60,659	61,608	58,177	687,955	58,177
Government - Pre Paid (Cash Power)	37,837	24,745	29,746	31,550	35,951	29,019	35,491	17,714	36,814	34,759	39,862	47,105	380,886	47,105
Government Streetlights	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	3,194	31,152	3,194
Solar	2,661	2,661	2,855	2,855	2,855	3,750	3,750	3,750	3,836	3,836	3,836	3,671	39,303	3,671
Government Scratchcard	0	0	0	0	0	0	0	0	0	19	28	111	46	111
Government Total	102,529	88,403	92,187	89,209	95,808	89,504	96,034	81,254	103,142	101,849	107,902	112,148	1,139,296	112,148
Commercial - Post Paid	175,780	182,152	165,977	157,130	179,614	182,275	187,413	188,850	200,224	203,442	189,140	189,275	2,194,067	189,275
Commercial - Pre Paid (Cashpower)	58,778	66,141	53,762	57,023	61,326	59,985	60,522	61,869	61,710	66,060	62,720	64,693	734,527	64,693
Commercial - Scratchcard	0	0	0	0	0	0	0	0	0	232	644	844	876	844
Commercial Total	234,558	248,293	219,739	214,153	240,941	242,260	247,935	250,718	261,934	269,503	251,860	253,968	2,928,594	253,968
Residential - Post Paid	5,152	5,484	4,827	5,607	4,486	4,725	6,483	3,249	3,518	3,721	4,046	4,769	57,246	4,769
Residential - Pre Paid (Cashpower)	80,669	95,131	73,192	75,512	84,283	88,158	87,855	92,204	91,805	95,859	89,851	90,299	1,041,498	90,299
Residential Scratch Card Sales	0	0	0	0	0	0	0	0	4,836	5,279	5,267	6,942	15,382	6,942
Residential Total	85,822	100,615	78,019	81,120	88,769	92,883	94,338	95,452	100,160	104,860	99,165	102,010	1,114,126	102,010
Trade Power Sales Total	422,908	437,311	389,945	384,481	425,518	424,647	438,308	427,425	465,235	476,212	458,926	468,126	5,182,016	468,126
Intercompany - CPUC Office	1,608	1,566	1,264	1,462	1,374	1,428	1,348	1,534	1,533	1,237	1,481	1,330	17,401	1,330
Intercompany - CPUC Power Operation	2,462	2,365	2,060	1,725	1,544	1,852	1,559	1,374	2,052	1,558	1,768	2,085	22,573	2,085
Intercompany - CPUC Water Operations	9,479	12,219	11,648	11,035	11,953	12,830	11,227	9,768	10,823	10,556	11,788	12,153	134,388	12,153
Intercompany - CPUC Sewer Operations	6,123	7,573	5,637	6,270	7,744	8,825	12,167	9,944	11,035	10,075	9,618	8,240	103,217	8,240
Cash Power Unearned	-433	-1,628	6,224	-910	-9,410	-2,775	579	8,783	-1,968	-2,618	2,400	-5,263	-12,332	-5,263
Total Power Sales - US\$	442,147	459,407	416,777	404,062	438,722	446,808	465,188	458,828	488,710	497,020	485,980	486,670	5,447,263	486,670
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	
Government - Post Paid	134,591	121,595	122,835	117,113	125,273	121,938	119,622	123,826	126,964	128,975	125,572	124,932	1,490,862	124,932
Government - Pre Paid (Cash Power)	78,991	51,887	63,900	71,170	82,743	65,477	78,468	38,357	78,128	74,863	85,707	101,214	826,784	101,214
Government - Street Lights	4,698	4,698	4,698	4,698	4,698	4,698	4,698	4,698	4,698	4,698	4,698	6,830	56,376	6,830
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	0	0	0	0	0	0	0	0	0	40	60	239	100	239
Government Total	218,280	178,180	191,433	192,981	212,714	192,113	202,789	166,881	209,790	208,576	216,037	233,215	2,374,122	233,215
Commercial - Post Paid	391,336	390,672	375,069	368,695	434,428	429,926	438,350	436,251	442,069	457,726	413,114	427,484	4,974,330	427,484
Commercial - Pre Paid (Cashpower)	128,056	144,761	120,677	134,710	147,953	141,740	140,000	140,038	136,768	148,684	140,912	145,248	1,664,835	145,248
Commercial Scratchcard	0	0	0	0	0	0	0	0	0	541	1,446	1,891		
Commercial Total	519,392	535,433	495,746	503,405	582,381	571,666	578,350	576,289	578,837	606,952	555,472	574,624	6,641,152	574,624
Residential - Post Paid	14,048	10,833	11,822	13,855	12,015	12,001	13,839	10,019	8,315	8,857	9,633	11,480	139,074	11,480
Residential - Pre Paid (Cashpower)	188,084	222,894	176,196	192,045	219,258	224,264	218,436	223,958	218,013	231,433	216,509	217,430	2,533,459	217,430
Residential Scratch Card Sales	0	0	0	0	0	0	0	0	11,485	12,451	12,680	16,694	36,616	16,694
Residential Total	202,132	233,727	188,019	205,901	231,273	236,265	232,275	233,977	237,812	252,741	238,821	245,604	2,670,149	245,604
Trade Power Sales Total	939,804	947,340	875,198	902,287	1,026,367	1,000,044	1,013,414	977,147	1,026,439	1,068,269	1,010,330	1,053,443	11,724,422	1,053,443
Intercompany - CPUC Office	3,503	3,428	2,838	3,453	3,314	3,327	3,119	3,162	3,398	2,749	3,327	2,891	39,023	2,891
Intercompany - CPUC Power Operation	5,363	5,177	4,623	4,075	3,725	4,313	3,607	3,133	4,547	3,463	3,973	4,534	50,902	4,534
Intercompany - CPUC Water Operations	20,652	26,744	26,145	26,069	28,837	29,887	25,971	22,277	23,987	23,457	26,483	26,426	304,560	26,426
Intercompany - CPUC Sewer Operations	13,339	16,575	12,653	14,812	18,682	20,557	28,145	22,678	24,457	22,389	21,608	17,916	233,739	17,916
Cash Power Unearned (accrual)	-1,163	-4,095	11,165	-3,190	-25,164	-3,912	4,194	22,873	-2,173	-6,155	4,153	-11,832	-8,322	-11,832
Total Power Sales - kWh	981,498	995,169	932,622	947,506	1,055,761	1,054,216	1,078,450	1,051,270	1,080,655	1,114,172	1,069,874	1,093,378	12,344,324	1,093,378

Financial Table 4 Water Sales Report – November 2015 to October 2016

Water/Sewer Sales Report	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY2016	
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		\$	
Government	5,867	5,759	5,509	7,214	5,778	6,648	8,567	8,111	9,239	7,340	8,667	10,309	88,389	10,309
Commercial	5,364	9,624	4,882	5,956	4,489	7,524	7,458	8,031	9,901	8,978	7,993	8,078	86,657	8,078
Residential	7,484	7,847	9,770	8,242	10,533	11,039	8,269	8,858	8,615	10,725	9,165	13,251	114,666	13,251
Provision for Billing Errors	-396	-162	-223	-986	0	-160	0	-721	0	-132	-3,124	-1,693	-6,823	-1,693
Total	18,319	23,069	19,937	20,426	20,800	25,052	24,293	24,280	27,755	26,912	22,701	29,946	282,889	29,946
Sewer Sales - US\$														
Government	2,909	2,857	2,731	3,574	2,762	3,240	4,174	3,949	4,504	3,557	4,223	5,018	43,281	5,018
Commercial	2,221	4,360	2,170	2,387	1,840	3,014	3,433	3,697	3,301	3,261	2,869	2,966	35,423	2,966
Commercial with No Water	3,819	3,254	3,355	3,355	3,394	3,394	3,345	3,345	3,345	3,345	3,626	3,640	41,624	3,640
Residential	639	641	1,638	392	794	1,019	672	749	683	970	720	1,168	10,373	1,168
Residential with No Water	2,000	2,010	1,950	1,900	1,820	1,740	1,690	1,720	1,680	1,670	1,650	1,660	21,890	1,660
Provision for Billing Errors	-659	-46	-741	-460	-319	-486	0	-96	-263	-31	-709	-206	-3,915	-206
Sewer Sales	10,929	13,076	11,103	11,148	10,291	11,922	13,313	13,364	13,250	12,771	12,378	14,245	148,674	14,245
Total Water & Sewer Sales	29,248	36,144	31,040	31,573	31,091	36,974	37,606	37,644	41,005	39,683	35,079	44,191	431,563	44,191
Water Sales - Gallons														
Government	1,202,440	1,175,100	1,124,520	1,473,790	1,188,240	1,360,480	1,739,350	1,655,110	1,870,270	1,496,260	1,763,830	2,093,490	18,010,240	2,093,490
Commercial	1,127,860	1,994,655	1,028,560	1,275,610	969,055	1,558,890	1,548,440	1,652,090	2,032,980	1,844,190	1,648,210	1,660,118	18,033,605	1,660,118
Residential	2,520,050	2,703,599	3,315,674	2,830,819	3,716,880	3,950,419	2,979,876	3,176,732	3,130,328	3,844,835	3,334,374	4,712,842	40,240,893	4,712,842
Water Delivery & Bunkering	15,086	2,000	39,000	138,000	267,000	0	45,300	26,000	28,000	11,000	6,000	1,000	615,386	1,000
Total	4,865,436	5,875,354	5,507,754	5,718,219	6,141,175	6,869,789	6,312,966	6,509,932	7,061,578	7,196,285	6,752,414	8,467,450	76,900,124	8,467,450

Financial Table 5 Key Performance Indicators – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY2016	FY2017 YTD
1a. Non Revenue Power	16.1%	18.4%	18.9%	16.3%	17.9%	16.1%	18.2%	18.6%	17.6%	17.1%	17.1%	18.3%	17.48%	18.30%
Total Power Generated - kWh	1,170,401	1,219,033	1,149,837	1,131,783	1,285,499	1,256,621	1,318,947	1,290,700	1,311,689	1,344,374	1,290,136	1,338,296	14,959,680	1,338,296
Total Power Billed - kWh	981,498	995,169	932,622	947,506	1,055,761	1,054,216	1,078,450	1,051,270	1,080,655	1,114,172	1,069,874	1,093,378	12,344,324	1,093,378
Generation Loss (assumed 6%) - kWh	70,224	73,142	68,990	67,907	77,130	75,397	79,137	77,442	78,701	80,662	77,408	80,298	897,581	80,298
Distribution Loss Estimate - kWh	89,419	120,246	119,478	88,076	120,470	95,592	128,387	129,720	119,540	115,931	110,601	131,163	1,343,784	131,163
Commercial Loss (assumed 2.5%) - kWh	29,260	30,476	28,746	28,295	32,137	31,416	32,974	32,268	32,792	33,609	32,253	33,457	373,992	33,457
Street Light Usage	2,063	2,063	2,063	2,063	2,063	2,063	2,063	2,063	2,063	2,063	2,063	2,063	24,750	2,063
Total Loss - kWh	188,903	223,864	217,215	184,277	229,738	202,405	240,497	239,430	231,034	230,202	220,262	244,918	2,615,356	244,918
Distribution loss %	7.6%	9.9%	10.4%	7.8%	9.4%	7.6%	9.7%	10.1%	9.1%	8.6%	8.6%	9.8%	9.0%	9.8%
1b. Non Revenue Water	73.6%	67.2%	73.2%	70.3%	68.4%	61.7%	68.1%	63.0%	65.6%	61.7%	64.1%	60.4%	66.7%	60.4%
Water Produced (million gallons)	18.4	17.9	20.6	19.3	19.4	18.0	19.8	17.6	20.5	18.8	18.8	21.4	231.0	21
Water Billed (million gallons)	4.87	5.88	5.51	5.72	6.14	6.87	6.31	6.51	7.06	7.20	6.75	8.47	76.9	8
2. Current ratio	1.19	1.16	1.10	1.27	1.42	1.50	1.86	1.62	2.24	1.99	1.47	1.68	2.37	0.78
3. ROA (excludes other operating income/grant support)	-0.004%	0.000%	-0.019%	0.012%	-0.023%	-0.022%	-0.025%	0.002%	0.052%	0.003%	-0.036%	-0.014%	-0.011	-0.003
4. Operating ratio	0.88	0.89	0.90	0.86	0.91	0.91	0.92	0.88	0.84	0.89	0.74	0.83	0.875	0.822

Power Table 1 Power Operation Indicators – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	2016	YTD 2017
Generation Statistics														
Diesel Generation - kWh	1,147,050	1,193,140	1,123,850	1,101,070	1,247,490	1,222,520	1,286,650	1,261,770	1,284,990	1,314,860	1,262,410	1,311,890	14,603,440	1,311,890
Peak Generation - kW	2,280	2,260	2,180	2,170	2,407	2,334	2,320	2,505	2,450	2,481	2,560	2,550	2,290	2,550
Fuel Consumption - Gallons	80,668	84,576	78,908	77,460	86,920	85,744	92,892	92,635	93,319	89,499	86,029	88,269	1,030,630	88,269
Average Fuel Price (\$/Gallon)	2.94	2.86	2.65	2.70	2.33	2.47	2.55	2.70	2.81	2.74	2.70	2.72	32.34	2.72
Load Factor (%)	65%	68%	67%	66%	67%	68%	72%	65%	68%	68%	64%	66%	140%	66%
Capacity Factor (%)	41%	40%	39%	39%	43%	42%	41%	45%	44%	44%	46%	46%	41%	46%
Availability Factor (%)	100%	100%	100%	100%	100%	200%	300%	400%	500%	600%	700%	800%	100%	800%
Reserve Plant Margin (%)	143%	143%	143%	143%	143%	143%	143%	143%	143%	143%	143%	143%	145%	143%
Solar PV Generation - kWh														
Solar PV Generation - kWh	23,351	25,893	25,987	30,713	38,009	34,101	32,297	28,930	26,699	29,514	27,726	26,406	356,240	26,406
Solar Generation %	2.0%	2.1%	2.3%	2.7%	3.0%	2.7%	2.4%	2.2%	2.0%	2.2%	2.1%	2.0%	2.4%	2.0%
Peak PV Generation -kW	170	189	189	224	277	249	235	211	195	215	202	193	241	193
Avoided Fuel - Gallons	1,642	1,835	1,825	2,161	2,648	2,392	2,332	2,124	1,939	2,009	1,889	1,777	25,134	1,777
Avoided Cost of Fuel - US\$	4,828	5,249	4,835	5,834	6,171	5,908	5,946	5,735	5,448	5,504	5,101	4,833	67,317	4,833
Tons of CO2 avoided	16.6	18.5	18.4	21.8	26.7	24.2	23.6	21.5	19.6	20.3	19.1	17.9	253.9	17.9
Labour Productivity (kWh/Emp/d)														
Labour Productivity (kWh/Emp/d)	1,156	1,203	1,133	1,110	1,258	1,232	1,297	1,272	1,295	1,325	1,273	1,322	1,501	1,322
SFOC (kWh/gal)														
SFOC (kWh/gal)	14.22	14.11	14.24	14.21	14.35	14.26	13.85	13.62	13.77	14.69	14.67	14.86	14.17	14.86
Unit 1 (Jan 2012)	14.76	14.62	14.95	14.90	14.72	14.55	14.55	14.39	14.33	14.66	14.66	14.91	14.65	14.91
Unit 2 (Jan 2012)	14.62	14.36	14.48	14.74	14.46	14.09	0.00	0.00	14.62	14.75	14.74	14.88	14.57	14.88
Unit 3 (Ex CAT 2)	0.00	10.60	12.50	-	13.14	13.64	12.97	12.86	13.07	0.00	1.00	2.00	12.91	2.00
Unit 4 (Jul 13 - Singapore)	12.98	13.26	13.15	12.63	13.57	13.66	13.28	13.02	13.07	14.40	13.82	13.02	13.13	13.02
SLOC (kWh/gal)														
SLOC (kWh/gal)	61.5	46.2	73.2	117.2	69.4	89.3	94.99	90.12	56.21	155.34	97.28	92.65	1,054	93
Unit 1 (Jan 2012)	3,621.8	4,900.4	3,282.6	3,927.2	2,337.0	4,625.4	4,607.4	4,506.2	1,177.5	6,890.9	6,557.1	3,449.1	4,034	3,449
Unit 2 (Jan 2012)	2,573.6	2,086.2	2,967.3	2,652.2	2,035.3	2,891.1	0.0	0.0	2,763.3	6,516.3	3,179.3	6,680.3	2,911	6,680
Unit 3 (Ex CAT 2)	0.0	75.9	0.0	0.0	0.0	0.0	14,076.0	0.0	0.0	0.0	0.0	0.0	2,049	0
Unit 4 (Jul 13 - Singapore)	3,029.5	1,800.1	3,288.9	-	2,765.2	1,548.4	2,636.1	3,393.2	3,279.2	0.0	0.0	0.0	3,075	0
Forced Outage Factor (%)	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.2%	0.40%	0.16%
Planned Outage Factor (%)	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.79%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	24.0%	23.8%	22.9%	22.8%	25.3%	24.6%	24.4%	26.4%	25.8%	26.1%	26.9%	26.8%	24.1%	26.8%
Distribution Losses (%)	7.6%	9.9%	10.4%	7.8%	9.4%	7.6%	9.7%	10.1%	9.1%	8.6%	8.6%	9.8%	107.7%	9.8%
SAIDI (hours/consumer)	0.86	1.44	1.24	0.50	0.10	0.00	0.27	1.05	0.06	0.13	0.05	0.21	6.35	0.21
SAIFI	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.10	0.01
Average Cost (\$/kWh)	0.20	0.20	0.18	0.18	0.16	0.17	0.18	0.19	0.20	0.18	0.18	0.18	0.19	0.18

Power Table 2 Power Generation Statistics – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY 2016	FY 2017 YTD
Generation - Engine Output (kWh)														
Unit 1 (Jan 2012)	434,610	465,540	410,320	420,210	467,400	622,120	645,040	590,310	111,860	654,640	622,920	655,330	5,859,830	655,330
Unit 2 (Jan 2012)	424,640	396,380	400,580	411,090	514,930	440,900	0	0	525,020	619,050	604,060	634,630	4,760,990	634,630
Unit 3 (Ex CAT 2)	0	7,210	500	0	2,470	12,400	140,760	26,750	25,060	0	0	0	215,150	0
Unit 4 (Jul 13 - Singapore)	287,800	324,010	312,450	269,770	262,690	147,100	500,850	644,710	623,050	41,170	35,430	21,930	3,767,470	21,930
Diesel Generation Total (kWh)	1,147,050	1,193,140	1,123,850	1,101,070	1,247,490	1,222,520	1,286,650	1,261,770	1,284,990	1,314,860	1,262,410	1,311,890	14,603,440	1,311,890
Airport Solar Panel	8,396	7,927	7,723	8,145	9,316	8,112	6,995	6,110	5,231	9,072	6,211	5,911	88,302	5,911
High School Solar Grid Connect	14,955	17,966	18,264	22,568	28,693	25,989	25,302	22,820	21,468	24,442	21,515	20,495	267,938	20,495
Solar PV Generation Total (kWh)	23,351	25,893	25,987	30,713	38,009	34,101	32,297	28,930	26,699	29,514	27,726	26,406	356,240	26,406
Total Generation (kWh)	1,170,401	1,219,033	1,149,837	1,131,783	1,285,499	1,256,621	1,318,947	1,290,700	1,311,689	1,344,374	1,290,136	1,338,296	14,959,680	1,338,296
Maximum Demand (kW)	2,280	2,260	2,180	2,170	2,407	2,334	2,320	2,505	2,450	2,481	2,560	2,550	2,290	2,550
Engine Rating kW (at 0.8 PF)														
Unit 1 (Jan 2012)	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	15,600	1,300
Unit 2 (Jan 2012)	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	15,600	1,300
Unit 3 (Ex CAT 2)	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	14,400	1,200
Unit 4 (Jul 13 - Singapore)	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	19,200	1,600
Unit 5 (Ex CAT 3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station Services (kWh)	3,503	3,428	2,838	3,453	3,314	3,327	3,119	3,162	3,398	0	0	0	32,947	0
Running Hours														
Unit 1 (Jan 2012)	493	519	486	496	551	717	739	717	140	736	707	736	6,769	736
Unit 2 (Jan 2012)	494	479	489	492	611	550	0	0	674	711	699	726	5,684	726
Unit 3 (Ex CAT 2)	0	11	1	0	6	20	199	39	38	0	0	0	314	0
Unit 4 (Jul 13 - Singapore)	207	223	242	215	249	153	550	688	653	36	35	26	3,509	26
Unit 5 (Ex CAT 3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,194	1,231	1,218	1,203	1,417	1,439	1,488	1,444	1,505	1,483	1,441	1,488	16,275	1,488

Power Table 3 Fuel & Lube Oil Statistics – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY 2016	FY 2017 YTD
Fuel Consumption (Gallons)														
Unit 1 (Jan 2012)	29,443	31,848	27,441	28,210	31,751	42,769	44,339	41,031	7,804	44,661	42,498	43,948	400,120	43,948
Unit 2 (Jan 2012)	29,047	27,609	27,661	27,889	35,619	31,293	0	0	35,916	41,979	40,968	42,637	326,830	42,637
Unit 3 (Ex CAT 2)	0	680	40	0	188	909	10,853	2,080	1,918	0	0	0	16,668	0
Unit 4 (Jul 13 - Singapore)	22,178	24,439	23,765	21,361	19,362	10,772	37,700	49,524	47,681	2,859	2,563	1,684	287,012	1,684
Unit 5 (Ex CAT 3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	80,668	84,576	78,908	77,460	86,920	85,744	92,892	92,635	93,319	89,499	86,029	88,269	1,030,630	88,269
Average Fuel Price (\$/Gallon)	2.94	2.86	2.65	2.70	2.33	2.47	2.55	2.70	2.81	2.74	2.70	2.72	2.69	2.72
Lube Oil Consumption (Gallons)														
Unit 1 (Jan 2012)	25	0	30	12	10	40	45	36	0	0	0	0	218	0
Unit 2 (Jan 2012)	70	95	40	60	63	58	0	0	0	0	0	0	401	0
Unit 3 (Ex CAT 2)	0	0	0	0	0	0	10	0	0	0	0	0	10	0
Unit 4 (Jul 13 - Singapore)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unit 5 (Ex CAT 3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	95	95	70	72	73	97	55	36	0	0	0	0	628	0
Oil Change Log (75 Gal/Change)														
Unit 1 (Jan 2012)	95	95	95	95	190	95	95	95	95	95	95	190	1,235	190
Unit 2 (Jan 2012)	95	95	95	95	190	95	0	0	190	95	190	95	1,235	95
Unit 3 (Ex CAT 2)	0	95	0	0	0	0	0	0	0	0	0	0	95	0
Unit 4 (Jul 13 - Singapore)	95	180	95	0	95	95	190	190	190	0	0	0	1,225	0
Unit 5 (Ex CAT 3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	285	465	285	190	475	285	285	285	475	190	285	285	3,790	285

Power Table 4 Power Distribution Statistics – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY 2016	FY 2017 YTD
Number of Outages (Frequency)														
Forced - Generation	2	2	3	2	3	0	1	3	0	0	1	2	21	2
Planned - Generation	0	1	1	0	0	0	0	0	0	0	0	0	2	0
Total Number of Outages (Gen)	2	3	4	2	3	0	1	3	0	0	1	2	23	2
Forced - Distribution	12	11	19	13	23	0	5	21	7	3	5	9	135	9
Feeder 1	2	3	4	2	4	0	1	3	0	0	1	2	23	2
Feeder 2	2	2	3	2	4	0	1	4	1	0	1	4	24	4
Feeder 3	3	2	4	2	5	0	1	3	3	1	1	1	28	1
Feeder 4	5	2	3	5	4	0	1	5	1	1	1	1	31	1
Feeder 5	0	2	5	2	6	0	1	6	2	1	1	1		
Planned - Distribution	6	8	5	4	0	0	5	0	0	1	0	1	33	1
Feeder 1	0	1	1	0	0	0	1	0	0	0	0	1	5	1
Feeder 2	2	4	1	3	0	0	1	0	0	0	0	0	12	0
Feeder 3	0	1	1	0	0	0	1	0	0	0	0	0	3	0
Feeder 4	2	2	1	1	0	0	1	0	0	1	0	0	8	0
Feeder 5	2	0	1	0	0	0	1	0	0	0	0	0	5	0
Total Number of Outages (Dist)	18	19	24	17	23	0	10	21	7	4	5	10	168	10

Power Table 5 Power Outage Statistics – November 2015 to October 2016

	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	FY 2016	FY 2017 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.4	0.2	0.5	0.3	0.3	0.0	0.1	0.4	0.0	0.0	0.4	1.2	2.9	1.2
Planned - Generation	0.0	3.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0
Total Duration Gen Outage (Hrs)	0.4	3.4	3.0	0.3	0.3	0.0	0.1	0.4	0.0	0.0	0.4	1.2	8.6	1.2
Forced - Distribution	3.8	1.5	12.5	3.5	2.8	0.0	0.7	21.0	1.6	0.6	1.2	4.4	50.2	4.4
Feeder 1	0.3	0.7	2.5	0.3	0.4	0.0	0.0	3.0	0.0	0.0	0.3	0.3	7.7	0.3
Feeder 2	0.3	0.2	2.5	0.3	0.4	0.0	0.0	4.0	0.4	0.0	0.4	3.4	8.7	3.4
Feeder 3	0.5	0.2	2.5	0.2	0.6	0.0	0.0	3.0	0.5	0.2	0.3	0.2	8.1	0.2
Feeder 4	2.8	0.2	2.5	2.5	0.8	0.0	0.6	5.0	0.3	0.2	0.1	0.3	15.1	0.3
Feeder 5	0.0	0.2	2.5	0.2	0.6	0.0	0.0	6.0	0.5	0.2	0.3	0.2	10.6	0.2
Planned - Distribution	19.7	37.7	21.2	10.0	0.0	0.0	6.7	7.5	0.0	3.0	0.0	1.2	122.6	1.2
Feeder 1	0.0	3.4	2.3	0.0	0.0	0.0	1.3	0.4	0.0	0.0	0.0	1.2	16.3	1.2
Feeder 2	9.2	20.7	0.8	7.5	0.0	0.0	1.3	1.0	0.0	0.0	0.0	0.0	42.5	0.0
Feeder 3	0.0	6.1	0.6	0.0	0.0	0.0	1.3	0.4	0.0	3.0	0.0	0.0	11.5	0.0
Feeder 4	7.8	4.1	0.6	2.5	0.0	0.0	1.5	4.3	0.0	0.0	0.0	0.0	20.8	0.0
Feeder 5	2.7	3.4	16.9	0.0	0.0	0.0	1.3	1.4	0.0	0.0	0.0	0.0	32.7	0.0
Total Duration Dist Outage (Hrs)	27.3	40.7	46.2	17.0	5.6	0.0	8.1	49.5	3.2	4.1	2.5	10.0	172.8	5.6

Water Table 1 Water Production & Sales Data Statistics November 2015 to October 2016

COMPANY WIDE DATA	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Water Production(Gallons)												
WTP Production	1,122,500	1,284,900	-	-	458,800	795,000	1,248,300	865,000	1,200,900	1,380,700	1,101,100	1,066,500
Pink Apartment Volume start of Month												444,600
Pink Apartment Volume end of Month												364,800
Pink Apartment Vol in to Supply/(Storage)											(69,800)	(79,800)
Well Production (into supply)	17,321,000	16,603,776	19,293,792	18,243,591	18,974,336	17,164,066	18,524,248	16,718,126	19,300,026	18,115,509	18,103,900	20,378,200
	18,443,500	17,888,676	19,293,792	18,243,591	19,433,136	17,959,066	19,772,548	17,583,126	20,500,926	18,804,109	19,135,200	21,364,900
Water Volume Billed(Gallons)												
Commercial	1,127,860	1,994,655	1,028,560	1,275,610	969,055	1,558,890	1,548,440	1,652,090	2,032,980	1,844,190	1,648,210	1,660,118
Government (excludes hospital)	601,640	432,500	495,720	856,790	746,340	750,280	1,077,050	872,510	1,088,270	374,960	484,630	612,390
Government Hospital	600,800	742,600	628,800	617,000	441,900	610,200	662,300	782,600	782,000	1,121,300	1,279,200	1,481,100
Residential	2,520,050	2,703,599	3,315,674	2,826,759	3,707,730	3,950,419	2,979,876	3,176,732	3,130,328	3,844,835	3,334,374	4,712,842
Water Delivery and Bunkering	15,086	2,000	39,000	138,000	267,000	-	45,300	26,000	28,000	-	6,000	1,000
Water Adjustment												
Total	4,865,436	5,875,354	5,507,754	5,714,159	6,132,025	6,869,789	6,312,966	6,509,932	7,061,578	7,185,285	6,752,414	8,467,450
NRW												
Volume	13,578,064	12,013,322	13,786,038	12,529,432	13,301,111	11,089,277	13,459,582	11,073,194	13,439,348	11,618,824	12,382,786	12,897,450
	73.6%	67.2%	71.5%	68.7%	68.4%	61.7%	68.1%	63.0%	65.6%	61.8%	64.7%	60.4%
WWTP - Sewage Inflow - Gallons										16,500,000	11,321,489	14,501,381
Invoiced Water Value(USD)												
Water Delivery and Bunkering		50	\$2,430	\$7,350	\$15,175	\$0	\$2,265	\$1,450	\$1,886		\$300.00	\$50.00
Commercial	5,564	9,840	\$5,051	\$6,153	\$4,582	\$7,525	\$7,484	\$8,035	\$9,917	\$8,987	\$7,994	\$8,092
Government (includes hospital)	5,867	5,759	\$5,509	\$7,214	\$5,778	\$6,648	\$8,567	\$8,111	\$9,239	\$7,340	\$8,667	\$10,309
Residential	7,484	7,847	\$9,770	\$8,241	\$10,533	\$11,040	\$8,269	\$8,858	\$8,615	\$10,687	\$9,164	\$13,251
	18,915	23,447	\$20,330	\$21,608	\$20,893	\$25,213	\$24,320	\$25,004	\$27,770	\$27,014	\$25,826	\$31,653
Sewer Charges(USD)												
Commercial	2,221	4,360	\$2,170	\$2,387	\$1,840	\$3,014	\$3,433	\$3,697	\$3,367	\$3,327	\$2,869	\$2,966
Commercial - w/o water	3,819	3,254	\$3,355	\$3,355	\$3,394	\$3,394	\$3,345	\$3,345	\$3,345	\$3,279	\$3,626	\$3,640
Government	2,909	2,857	\$2,731	\$3,574	\$2,762	\$3,240	\$4,174	\$3,949	\$4,504	\$3,586	\$4,223	\$5,018
Residential	639	641	\$931	\$609	\$794	\$1,019	\$672	\$749	\$683	\$970	\$720	\$1,175
Residential w/o water	2,000	2,010	\$1,950	\$1,900	\$1,820	\$1,740	\$1,690	\$1,720	\$1,680	\$1,670	\$1,650	\$1,660
	11,589	13,122	\$11,137	\$11,825	\$10,610	\$12,408	\$13,313	\$13,460	\$13,579	\$12,832	\$13,087	\$14,459

Water Table 2 Water/Sewer Connection Data – November 2015 to October 2016

COMPANY WIDE DATA	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Water Connection Data (No. of Connections)												
Commercial - Billed	65	65	66	69	70	66	66	68	67	68	65	71
Commercial - Disconnected	5	2	3	2	3	4	4	5	6	6	9	7
Commercial - Meter Pulled	3	3	3	3	2	2	2	2	2	2	-	2
Commercial Avge Consumption - Gall/conn/mth	17,352	30,687	15,584	18,487	13,844	23,620	23,461	24,295	30,343	27,120	25,357	23,382
Government - Billed	15	15	13	19	19	17	15	19	14	13	15	15
Government - Disconnected	2	1	1	2	2	2	2	2	5	3	2	3
Government - Meter Pulled	0	0	-	-	-	-	-	-	-	-	-	-
Government Avge Consumption - Gall/conn/mth	40,109	28,833	38,132	45,094	39,281	44,134	71,803	45,922	77,734	28,843	32,309	40,826
Hospital - Billed			1	1	1	1	1	1	1	1	1	1
Hospital - Disconnected			-	-	-	-	-	-	-	-	-	-
Hospital - Meter Pulled			-	-	-	-	-	-	-	-	-	-
Hospital Avge Consumption - Gall/conn/mth			628800	617000	441900	610200	662300	782600	782000	1121300	1279200	1481100
Residential - Billed	343	340	337	348	357	353	348	351	331	334	324	362
Residential - Disconnected	119	119	118	118	113	120	118	122	143	137	139	106
Residential - Meter Pulled	61	64	65	62	59	60	65	70	73	76	1	84
Residential Avge Consumption - Gall/conn/mth	7,347	7,952	9,839	8,123	10,386	11,191	8,563	9,051	9,457	11,511	10,291	13,019
Sewer Connection Data (No. of Connections)												
Commercial Billed	23	30	25	35	39	37	38	38	37	33	35	36
Commercial Billed w/o water	53	53	53	53	53	53	53	53	53	53	53	53
Government Billed	10	10	13	18	18	16	14	18	13	12	14	14
Residential Billed	136	135	139	140	158	169	160	160	146	154	148	163
Residential Billed w/o water	193	177	195	190	183	173	169	172	168	167	167	166
STP Inflow (MG/month)										16.5	11.3	14.5
SEWER OVERFLOWS												
North Zone	1	0	0	0	0	0	0	4	0	2	0	1
South Zone	0	0	1	0	0	0	0	1	4	1	1	4

Water Table 3 Zonal Water Use Statistics – FY2017

ZONAL NRW - OCTOBER 2016					ZONAL NRW - FY2016 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	750,000	69,040	680,960	91%	1	750,000	69,040	680,960	91%
2	15,379,400	5,045,080	10,334,320	67%	2	15,379,400	5,045,080	10,334,320	67%
3	1,678,799	92,880	1,585,919	94%	3	1,678,799	92,880	1,585,919	94%
4	1,202,000	195,510	1,006,490	84%	4	1,202,000	195,510	1,006,490	84%
5	0	37,330	-37,330	-	5	0	37,330	-37,330	-
6	2,313,500	2,651,860	-338,360	-15%	6	2,313,500	2,651,860	-338,360	-15%
7	29,601	142,740	-113,139	-	7	29,601	142,740	-113,139	-
8	11,600	233,010	-221,410	-1909%	8	11,600	233,010	-221,410	-1909%
Total	21,364,900	8,467,450	12,897,450	60%	Total	21,364,900	8,467,450	12,897,450	60%
ZONAL WATER CONSUMPTION - OCTOBER 2016					ZONAL WATER CONSUMPTION - FY2016 YTD				
Zone	AWge Use -Gallons/ConnecUion				Zone	Avge Use -Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	#DIV/o!	0	-	5,753	1	#DIV/o!	0	-	5,753
2	25,203	42,121	-	11,056	2	25,203	42,121	-	11,056
3	0	0	-	13,269	3	0	0	-	13,269
4	#DIV/o!	0	-	16,293	4	#DIV/o!	0	-	16,293
5	0	0	-	6,222	5	0	0	-	6,222
6	12,195	0	1,481,100	0	6	12,195	0	1,481,100	33,538
7	0	0	-	17,843	7	0	0	-	17,843
8	0	37,265	-	6,996	8	0	37,265	-	6,996
Total	23,382	40,826	1,481,100	13,019	Total	23,382	40,826	1,481,100	13,019

Administration Table 1 H&S Statistics – October 2016 & FY 2017



HEALTH & SAFETY REPORT: FY2017 - October 2016

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	October 2016						YEAR TO DATE - FY2017					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	9	1,515	0	0	0	0	0	1,515	0	0	0	0	0
Maintenance	6	1,207	0	0	0	0	0	1,207	0	0	0	0	0
Power Distribution - Line	20	3,762	0	0	0	0	0	3,762	0	0	0	0	0
Power Distribution - Contractors	13	2,375	0	0	0	0	0	2,375	0	0	0	0	0
Water & Sewer	11	1,764	0	0	0	0	0	1,764	0	0	0	0	0
Water & Sewer Contractors	13	3,125	0	0	0	0	0	3,125	0	0	0	0	0
Fin, Admin, Cust Care	18	3,160	0	0	0	0	0	3,160	0	0	0	0	0
TOTAL	90	16,910	0	0	0	0	0	16,910	0	0	0	0	0

FA - Number of First Aid cases **Total Hours Without Incident - Whole Company** **316,886**

MT - Number of Medical Treatment cases
 LTC - Number of Lost time cases
 LTD - Number of Lost time days
 FAT - Number of Fatalities

2. SICK LEAVE REPORT

DEPARTMENT	Number of Staff	October 2016		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	9	223	0	223
Maintenance	6	0	0	0
Power Distribution - Line	20	204	0	204
Power Distribution - Customer	13	0	0	0
WSS - Treatment/Prod	11	135	0	135
WSS Networks	13	0	0	0
Finance, Admin Cust Coord	18	159	0	159
TOTAL	90	721	0	721
Sick Hours as Percentage of Total Hours Worked		4.3%	0.0%	4.3%

Year To Date FY2017				
Total Hours Sick	Accident Related		Poor Health	
223	0	0	223	0
0	0	0	0	0
204	0	0	204	0
0	0	0	0	0
135	0	0	135	0
0	0	0	0	0
159	0	0	159	0
721	0	0	721	0
4.3%	0.0%	0.0%	4.3%	0.0%

DEPARTMENT	Number of Staff	October 2016		
		Total Hours Sick	Accident Related	Poor Health
Sick Hours as Percentage of Total Hours Worked				
Power Generation	9	14.7%	0.0%	14.7%
Maintenance	6	0.0%	0.0%	0.0%
Power Distribution - Line	20	5.4%	0.0%	5.4%
Power Distribution - Customer	13	0.0%	0.0%	0.0%
WSS - Treatment/Prod	11	0.0%	0.0%	0.0%
WSS Networks	13	0.0%	0.0%	0.0%
Finance, Admin Cust Coord	18	5.0%	0.0%	5.0%
TOTAL	90	4.3%	0.0%	4.3%

Administration Table 2 Attendance Summary – October 2016 & FY 2017

DEPARTMENT	October 2016								YEAR TO DATE - FY2017							
	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 claim
		Regular	Overtime						Regular	Overtime						
Power Generation	9	1,186	329	0	223	150	1,888	9	1,186	329	0	223	150	1,888	9	###
Maintenance	6	1,050	158	0	0	45	1,252	0	1,050	158	0	0	45	1,252	0	0.0%
Power Distribution - Line	20	3,185	577	0	204	91	4,058	20	3,185	577	0	204	91	4,058	20	5.0%
Power Distribution - Contractors	13	2,375	0	0	0	0	2,375	0	2,375	0	0	0	0	2,375	0	0.0%
Water & Sewer	11	1,498	266	0	135	136	2,035	4	1,498	266	0	135	136	2,035	4	6.6%
Water & Sewer Contractors	13	3,125	0	0	0	0	3,125	0	3,125	0	0	0	0	3,125	0	0.0%
Fin, Admin, Cust Care	18	2,881	279	0	159	139	3,458	4	2,881	279	0	159	139	3,458	4	4.6%
TOTAL	64	9,800	1,610	0	721	561	12,691	38	9,800	1,610	0	721	561	12,691	38	5.7%
Hours as % of Total Hours Claimed		77.2%	12.7%	0.0%	5.7%	4.4%		0.3%	77.2%	12.7%	0.0%	5.7%	4.4%		0.3%	

CAPEX Table 1 Major Capex Project Summary – October 2016

INITIAL GRANT FUNDS	7,690,000						
PART 1 - COMPLETE							
	Original Budget	Spend to End May	Balance of Budget				
Supply Continuity - Pre Implementation							
Overhaul of Existing Generator	233,500	233,500	0				
ADB ODP Matching Funding							
Import Duty On ADB ODP Project (Counterpart Fu	149,900	149,900	0				
Warehousing for ODP Project	27,400	27,400	0				
ODP Project - Line Construction Supervision	62,500	62,500	0				
Power Plant							
Power Plant Land Lease	385,200	385,200	0				
Power Plant Boundary Fencing	98,100	98,100	0				
Design Consultants - Part 1 - Design & Bid	181,700	181,700	0				
Geo Tech Survey	55,200	55,200	0				
PART 1 Spend Total	1,193,500	1,193,500	0				
Balance of Grant for PART 2	6,496,500						
PART 2							
	Original Budget	Revised Budget - May 16	Revised Budget - June 16	Revised Budget - Oct 16	Variance on Original Budget	Spend to End Oct 16	Spend To Completion
Power Plant Project - RJE	6,237,928	6,237,928	6,237,928	6,237,928	0	5,342,298	895,630
Agreed Variations							
AV1. Radiator coating upgrade			6,500	6,500	-6,500	0	6,500
AV2. Teleporter				35,000	-35,000	0	35,000
AV3. Electratherm - Waste Heat To Energy Eng Study				11,000	-11,000	0	11,000
AV4. Fuel Storage Option				176,076	-176,076	0	176,076
Potential Variations							
Power Plant Engineering - McMahan	196,500	196,500	225,000	225,000	-28,500	171,403	53,597
Agreed Variations							
Amendment #1 - Tonoas Design				34,100	-34,100	22,000	12,100
Power Plant Office - CPUC (includes Retaining w	216,000	216,000	150,000	135,000	81,000	91,975	43,025
Agreed Variations							
V1 - CPUC Security Gates				31,598	0	0	31,598
V2 - Fuel Storage Civils				15,000	0	0	15,000
V3 - Site finishing				10,000	0	0	10,000
V4 - Water Booster Pump				5,000	0	0	5,000
Import Duties - CPUC	160,000	168,703	160,000	168,703	-8,703	11,482	157,221
Miscellaneous Support	0	50,000	81,000	81,000	-81,000	28,094	52,906
Expenditure	6,810,428	6,869,131	6,860,428	7,171,905	-299,879	5,667,252	1,504,653
	Original Funding			Funding Rev1		Drawn	Balance
Drawdown From Compact Grant	6,496,500	6,496,500	6,496,500	6,496,500		6,206,500	290,000
Supplement from WWTP Project	228,000	247,948	247,948	247,948		0	247,948
Supplement from Emergency Generation Project	85,969	85,969	85,969	85,969		0	85,969
Supplement from Contingency Support				500,000		0	500,000
Total Funds Available	6,810,469	6,830,417		7,330,417		6,206,500	1,123,917

CAPEX Table 2 Capex Summary Sheet – End October 2016

Chuuk Public Utility Corporation Capex Summary Sheet as of October 31, 2016								
	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
OIDPMatchPower Plant GR970170	7,690,000	7,690,000	6,860,751	829,249	0	7,400,000	290,000	539,249
Power Plant Supplement D17AF00016	875,553	742,120	0	742,120	133,433	0	875,553	0
FY 2016 Professional - D16AF00023-00020	525,800	525,800	375,627	150,173	0	453,450	72,350	77,823
FY 2017 Professional - D17AF00011-00020	274,800	274,800	20,082	254,718	0	0	274,800	-20,082
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	0	0	0	750,000	0	750,000	0
FY 2016 - CPUC Office / Warehouse - D16AF00017-00010	350,000	181,310	118,072	63,238	168,690	153,440	196,560	35,368
Total	10,466,153	9,414,030	7,374,532	2,039,498	1,052,123	8,006,890	2,459,263	632,358