

CHUUK PUBLIC UTILITY CORPORATION



MONTHLY REPORT:
FY2019 – January 2019



Issued: 16 February 2019

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EXECUTIVE SUMMARY
SUMMARY OF KEY STATISTICS

	Jan-19	FY2019	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	Jan-19	FY2019	Jan-19	FY2019
Revenue	678,311	2,805,732	0.547	0.565	0.478	0.481
Variable Costs	301,718	1,381,653	0.243	0.278	0.213	0.237
Fixed Costs	249,902	797,878	0.202	0.161	0.176	0.137
Total Expenses	551,620	2,179,530	0.445	0.439	0.389	0.373
Operating result	126,691	626,202	0.102	0.126	0.089	0.107
Power generation	1,419,536	5,838,016				
<i>Diesel</i>	1,392,221	5,738,851				
<i>Solar</i>	27,315	99,165				
<i>Solar PV as % of Total Generation</i>	1.9%	1.7%				
<i>Avoided Cost of Fuel - US\$</i>	5,543	22,784				
<i>Tons of CO2 Avoided</i>	18.5	67.3				
					Sales	
Government Sales	215,245	841,248	Feeder	Conns	Jan-19	FY2019
Commercial Sales	687,137	2,569,966	F1	466	310,536	1,317,040
Residential Sales	304,297	1,304,487	F2	457	92,743	401,254
Intercompany Sales	66,174	282,908	F3	376	377,205	1,452,310
Sales Accrual	-33,182	-31,974	F4	374	309,193	1,231,367
Total Sales	1,239,672	4,966,636	F5	481	141,257	529,678
Power Loss	12.7%	14.9%	Total	2,155	1,230,934	4,931,649
Operating ratio	0.81	0.78	NB - Error on Total and Feeder sales YTD is <1.0%; 15,980 kWh station use is not included			
Water Produced - Gallons	22,498,700	288,040,656				
Water Sold - Gallons	5,386,576	26,145,901				
Non Revenue Water	76.1%	90.9%				

Daily generated output in January was 45,791 kWh/day; 2.2% lower than December. Average daily sales were 39,989 kWh/day; 0.8% higher than December. Total power loss was 12.7%.

Average fuel efficiency for January was 14.91 kWh/gallon – Operating strategy was revised in January to run engines higher up their performance curve – the impact of this is to increase the fuel efficiency, further improvements are expected in February

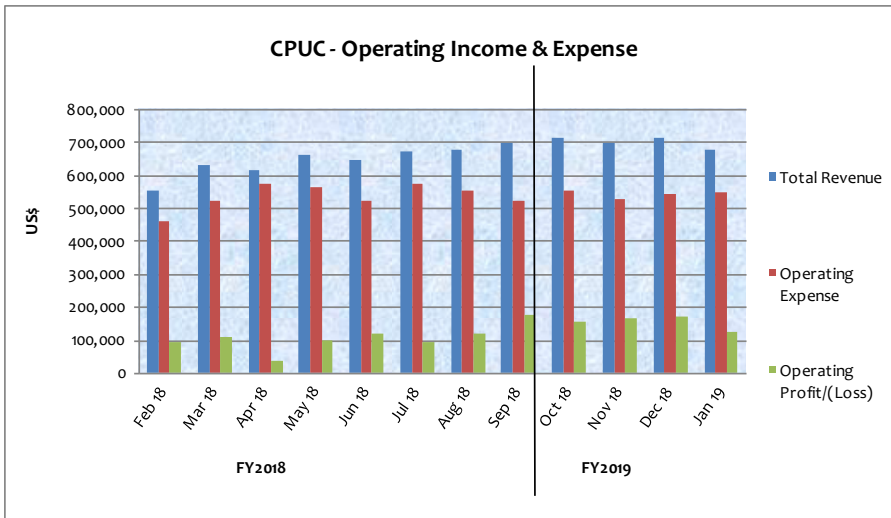
The split of power users for total sales throughput in December was as follows:

Government – 17.4%; Commercial – 55.4%; Residential – 24.5%; Intercompany 5.3%; Accrual -2.7%;

Solar PV generation in January was 27,315kWh or 1.9% of total generation. The avoided cost of fuel was US\$5,543 and the amount of Carbon Dioxide avoided was 18.5 tons.

From a commercial perspective the operating result for January 2019 was US\$126,691 with an operating ratio of 0.81; YTD US\$ 626,691 and 0.78 respectively.

1 FINANCIAL PERFORMANCE GRAPHS

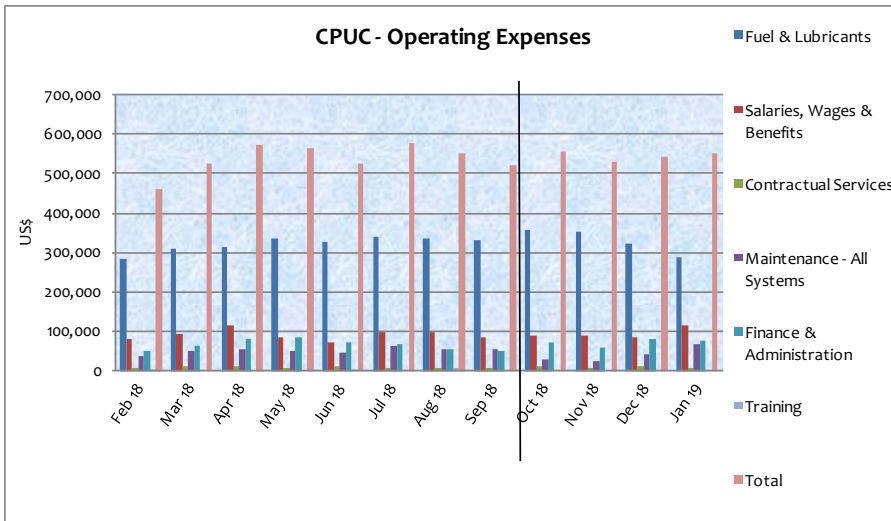


1.1 Key Points:

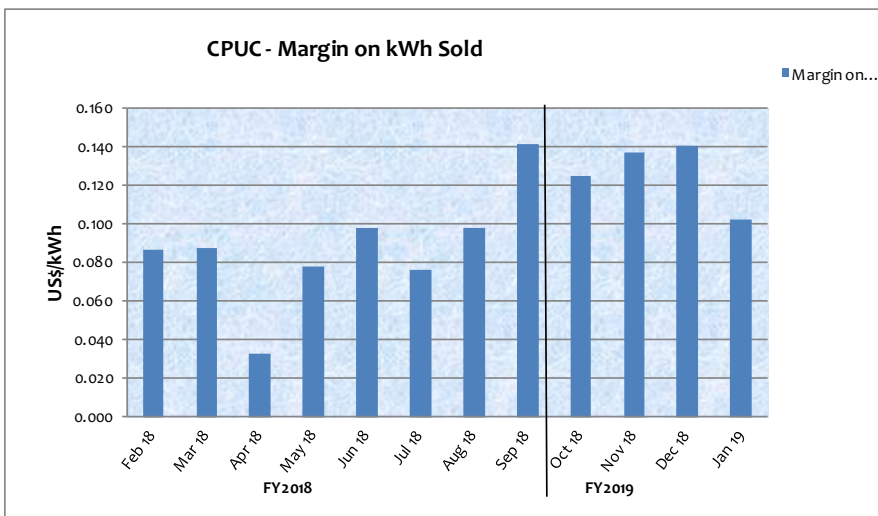
FY2018 Operating income before Depreciation & Interest :

FY2019 US\$626,111

Operating ratio: YTD 0.78;

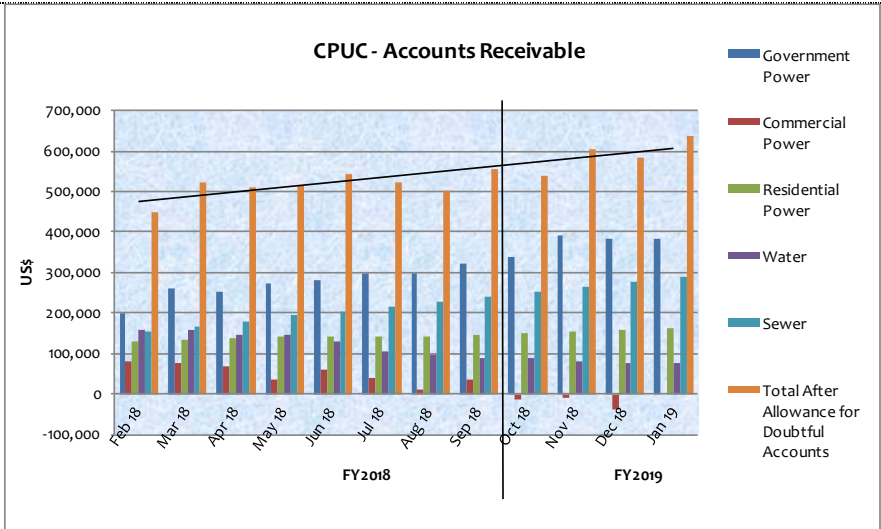


1.2 Key Points:



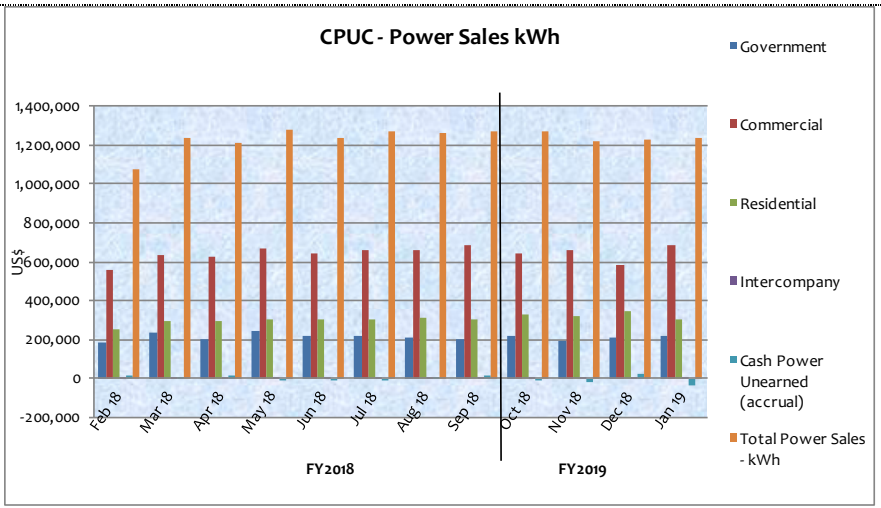
1.3 Key Points:

YTD US\$0.126 kWh sold.

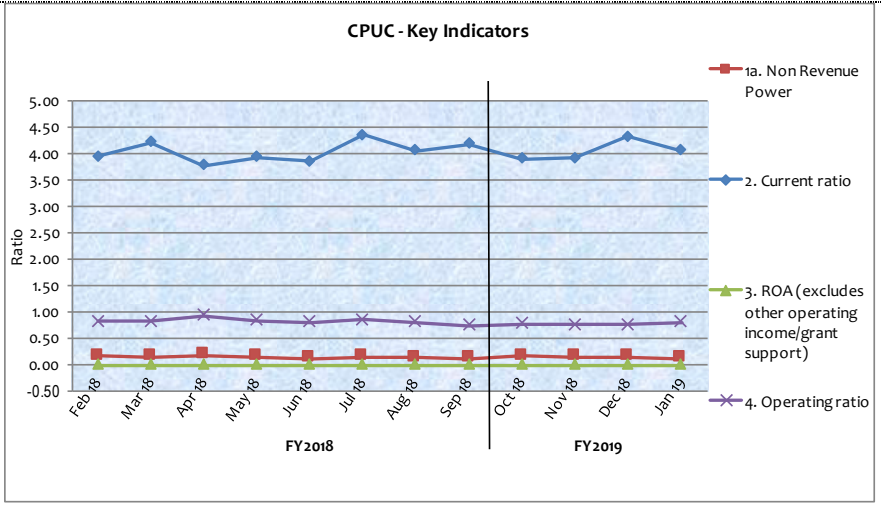


1.4 Key Points:

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

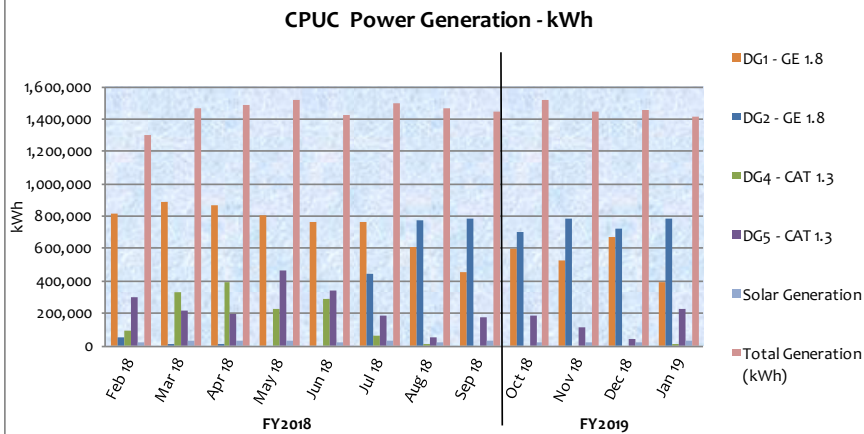


1.5 Key Points:

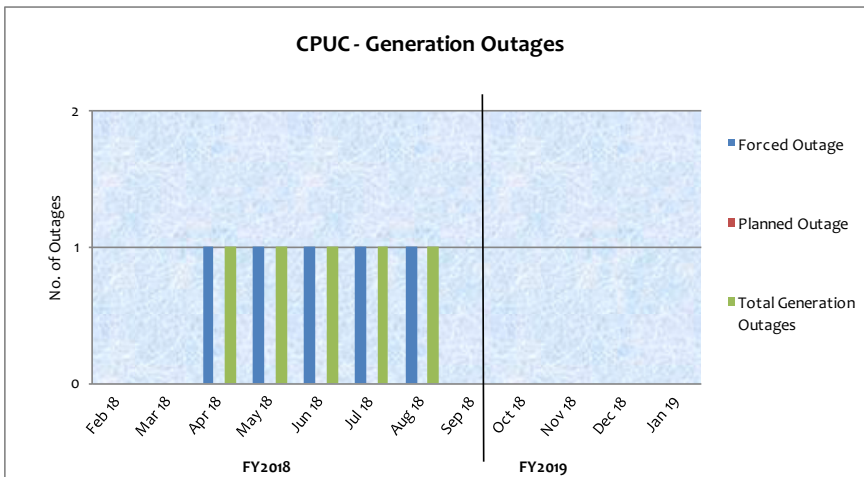


1.6 Key Points:

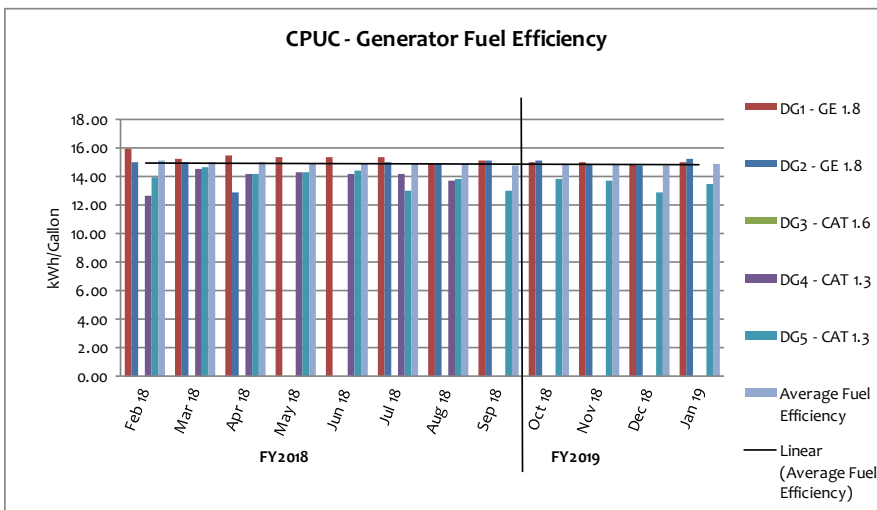
2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



2.1 Key Points:

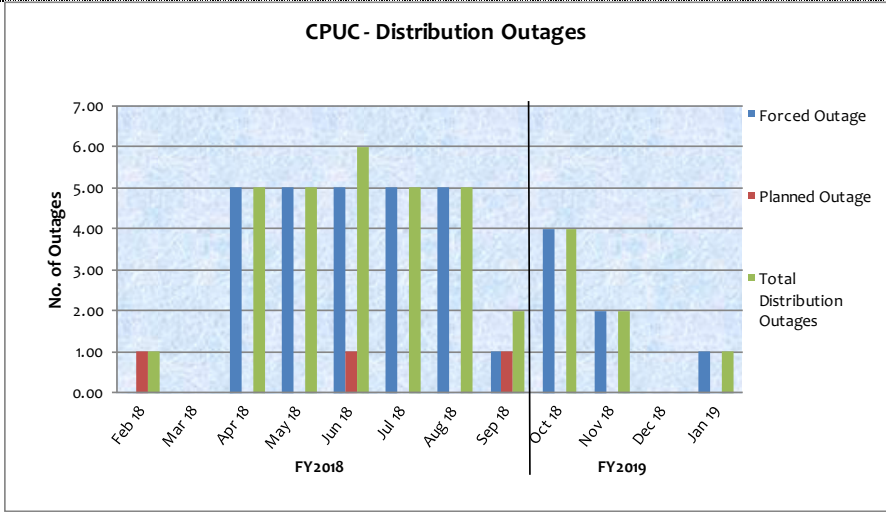


2.2 Key Points:

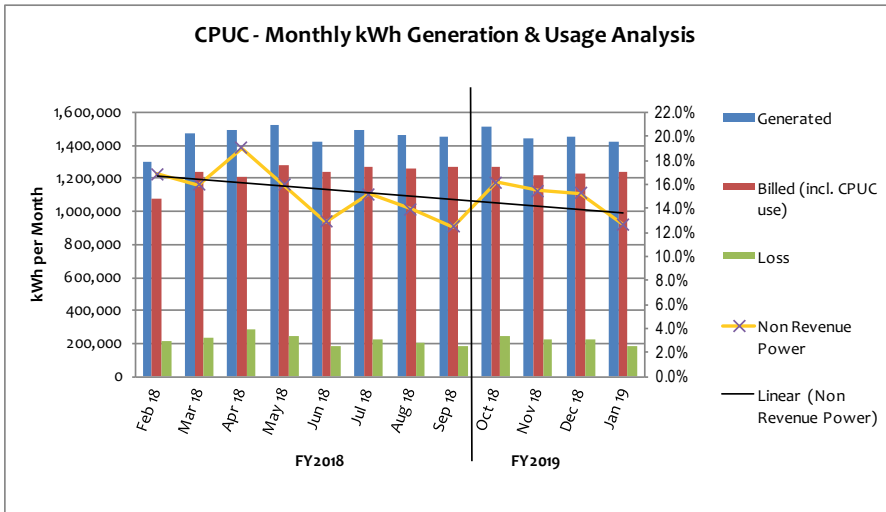


2.3 Key Points:

Avg fuel efficiency in FY2019 14.9kWh/gall.

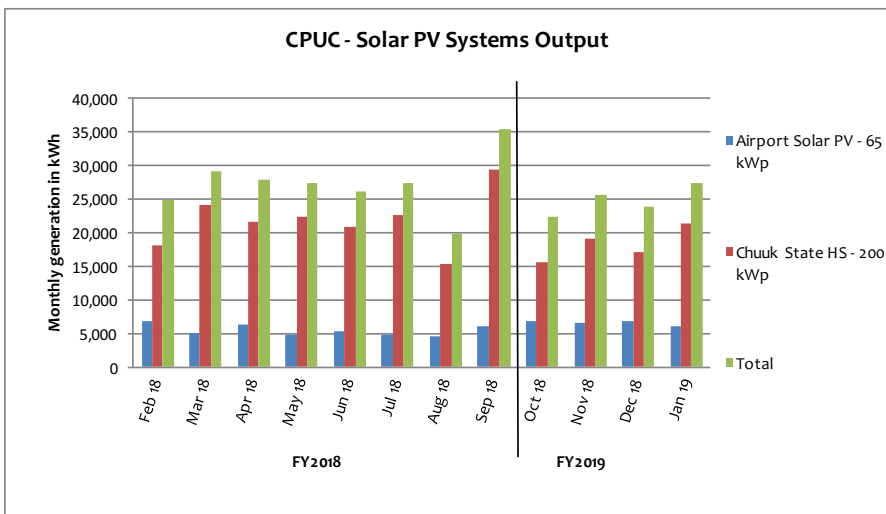


2.4 Key Points



2.5 Key Points:

Power loss for December 18 – 15.3%;



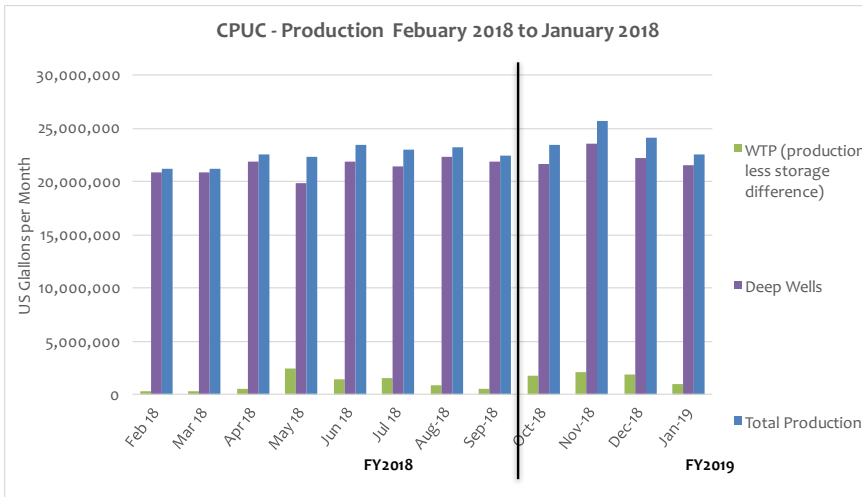
2.6 Key Points:

Solar PV accounted for 1.9% of CPUC generation in January;

The avoided cost of fuel was: US\$5,543

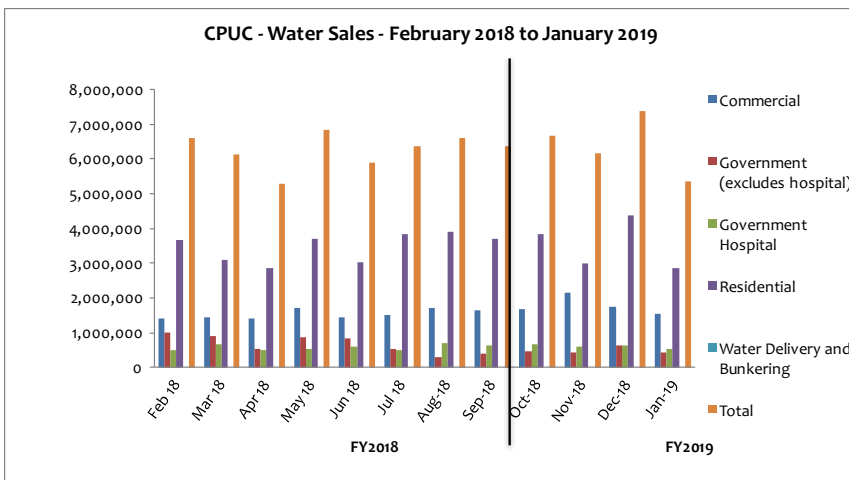
Avoided Tons of CO2 was 18.5 Tons;

3 WATER PERFORMANCE GRAPHS

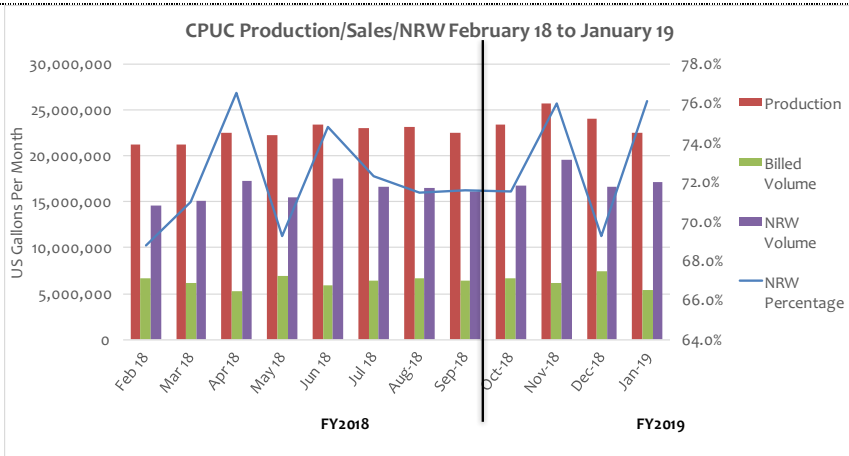


1 Key Points:

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



Key Points:



Key Points:

Financial Table1 P & L Statement – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019
Revenue - US\$														
Operating revenue:														
a. Power Sales	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	651,371	659,579	633,141	7,058,632	2,610,012
b. Water Sales	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	23,247	28,617	18,234	273,716	94,595
c. Sewer Sales	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	13,274	13,201	11,845	145,333	50,525
d. Other operating revenue	5,421	4,121	9,731	7,207	5,599	14,697	19,052	8,980	12,939	8,920	13,651	15,090	108,961	50,601
Revenue - Total	554,192	632,658	614,163	664,672	646,302	675,089	676,887	700,789	715,559	696,813	715,049	678,311	7,586,642	2,805,732
Expenses - US\$														
Fuel & Lubricants	284,789	310,514	312,850	335,161	324,799	341,204	333,944	329,402	357,813	351,703	324,559	289,207	3,738,941	1,323,282
Salaries, Wages & Benefits	78,835	92,771	114,968	85,955	71,648	97,994	96,620	82,808	90,443	86,883	86,183	114,829	1,087,840	378,339
Contractual Services	8,108	10,581	10,907	7,900	10,121	8,250	7,494	8,596	10,274	8,120	8,934	5,039	105,293	32,367
O&M - Power Generation	10,207	17,195	20,243	22,514	20,235	11,026	21,919	11,968	2,592	2,796	9,175	44,696	205,681	59,260
O&M - Power Distribution	8,437	11,671	10,618	14,031	9,940	15,741	10,603	18,625	8,235	7,355	17,556	4,237	140,422	37,382
O&M - Water	5,762	3,112	3,723	4,079	3,515	12,388	6,097	8,152	2,591	4,668	787	3,616	59,845	11,661
O&M - Sewer	215	367	2,901	0	0	120	0	0	71	0	1,650	795	3,602	2,516
Finance & Administration Overheads	38,727	49,390	69,883	70,246	58,144	52,455	39,815	34,970	56,170	44,688	69,378	62,013	619,662	232,249
Vehicle & Eq. Fuel	13,402	15,892	16,338	11,216	10,511	24,804	17,424	13,600	12,698	8,928	11,732	14,678	180,871	48,037
CPUC Power Usage (incl. in O&M from Oct 15)	11,954	12,616	12,285	13,443	15,005	13,736	14,233	13,266	15,329	14,016	12,583	12,511	157,143	54,439
Training	608	0	0	0	653	0	5,340	0	0	0	0	0	9,601	0
Expense - Total	461,045	524,109	574,716	564,544	524,571	577,718	553,489	521,388	556,217	529,156	542,538	551,620	6,308,899	2,179,530
Operating Income/(Loss)	93,147	108,550	39,447	100,128	121,731	97,371	123,398	179,401	159,343	167,657	172,511	126,691	1,277,743	626,202
Non-Cash Expenses - US\$														
Depreciation	122,291	122,291	122,291	122,291	122,291	122,291	122,291	122,291	118,520	118,520	118,520	118,520	1,467,491	474,079
Interest Expense	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,667	5,189	5,189	5,188	5,188	68,004	20,754
Non-Cash Expense - Total - US\$	127,958	127,958	127,958	127,958	127,958	127,958	127,958	127,958	123,709	123,709	123,708	123,708	1,535,495	494,833
Income/(Loss) - excluding grant support - US\$	-34,811	-19,408	-88,511	-27,830	-6,227	-30,587	-4,560	51,443	35,634	43,949	48,803	2,983	-257,752	131,368
Non-operating Income (Grant Support) - US\$	10	115,061	89	59	89	300,139	61	64	0	23	31	28	416,122	82
Income/(Loss) - including grant support - US\$	-34,801	95,653	-88,422	-27,772	-6,138	269,552	-4,498	51,507	35,633	43,972	48,834	3,010	158,370	131,450

Financial Table 2 Cash Flow and A/R Report – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019
Cash Flow Report - US\$														
Receipts	470,120	598,123	632,467	570,529	511,773	900,095	578,614	613,681	568,122	567,676	609,554	495,964	6,998,463	2,241,316
Disbursements	461,494	538,318	516,528	712,577	692,907	974,693	497,138	490,106	400,353	598,191	522,456	685,740	7,206,976	2,206,740
Net receipts/Disbursements	8,626	59,805	115,940	-142,048	-181,134	-74,598	81,476	123,575	167,769	-30,515	87,098	-189,776	-208,513	34,576
Cash balance (beginning)	1,087,811	1,096,437	1,156,242	1,272,182	1,130,134	949,000	923,458	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,287,966	1,128,509
Cash balance (end)	1,096,437	1,156,242	1,272,182	1,130,134	949,000	874,402	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,163,085	1,096,437	1,163,085
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)	1,094,743	1,154,549	1,270,488	1,128,440	947,306	921,765	1,003,240	1,126,815	1,294,584	1,264,069	1,351,167	1,161,391	1,126,815	1,161,391
Stocks	1,098,435	1,090,969	1,025,115	1,086,804	1,189,033	1,197,970	1,237,812	1,150,298	1,174,400	1,304,315	1,336,202	1,365,090	1,150,298	1,365,090
Trade Receivable	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	604,738	582,092	638,014	557,173	638,014
Prepaid Lease	309,114	307,083	305,051	303,019	300,988	298,956	296,925	294,893	292,861	290,830	288,798	286,766	294,893	286,766
Collateral with Vital Inc.	549,060	560,517	573,349	586,180	598,096	610,469	622,843	634,300	647,590	649,881	649,881	649,881	634,300	649,881
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	806,922	788,759	893,772	842,597	850,353	748,381	829,741	828,618	937,409	977,121	905,956	939,856	828,618	939,856
Loans Payable	4,223,747	4,219,649	4,215,550	4,259,128	4,255,029	4,106,082	4,101,983	4,097,884	4,093,785	4,089,687	4,085,588	3,933,976	4,097,884	3,933,976
Total Accounts Receivable (to date) - US\$														
Government Power	199,339	258,831	250,820	271,125	282,790	299,318	297,133	321,533	338,492	391,246	382,595	385,375	321,533	385,375
Commercial Power	80,662	76,819	70,408	34,489	59,523	40,873	12,240	35,477	-13,692	-10,461	-39,122	0	35,477	0
Residential Power	131,743	136,012	139,601	142,737	142,930	142,003	142,954	147,884	149,639	155,574	159,235	161,590	147,884	161,590
Water	158,783	156,843	147,447	145,723	130,542	103,493	97,643	89,343	91,005	79,986	77,789	77,608	89,343	77,608
Sewer	155,150	167,883	179,386	195,206	203,048	214,338	226,663	238,500	250,703	263,958	277,158	289,004	238,500	289,004
Allowance for Doubtful	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564
Total	450,112	520,824	512,097	513,715	543,269	524,461	501,070	557,173	540,583	604,738	582,092	638,014	557,173	540,583

Financial Table 3 Power Sales Report – February 2018 to January 2019

Power Sales Report	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019
Power Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government - Post Paid	63,670	75,452	73,498	73,803	74,129	73,975	69,063	73,902	78,982	73,888	69,157	87,369	857,283	309,395
Government - Pre Paid (Cash Power)	31,072	46,772	30,113	54,471	43,422	45,305	44,399	38,838	46,381	34,127	50,728	33,519	504,164	164,755
Government Streetlights	2,343	2,594	2,510	2,594	2,510	2,594	2,594	2,546	3,083	2,940	3,083	3,083	30,496	12,190
Solar	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	46,311	15,993
Government Scratchcard	74	64	56	37	0	0	0	0	0	0	0	0	584	0
Government Total	101,158	128,881	110,175	134,903	124,059	125,872	120,054	119,284	132,444	114,954	126,966	127,969	1,438,838	502,334
Commercial - Post Paid	196,741	218,890	221,133	235,177	237,304	246,223	243,928	268,635	250,934	268,716	223,874	265,051	2,751,357	1,008,575
Commercial - Pre Paid (Cashpower)	72,373	88,704	80,849	89,572	83,873	87,521	83,362	92,268	94,573	92,193	96,160	88,719	992,414	371,644
Commercial - Scratchcard	697	799	1,096	1,168	0	0	0	0	0	0	0	0	8,095	0
Commercial Total	269,811	308,392	303,079	325,918	321,177	333,744	327,290	360,904	345,507	360,909	320,034	353,770	3,751,866	1,380,220
Residential - Post Paid	6,252	6,848	6,335	6,637	4,005	2,302	4,511	8,061	4,820	8,569	7,568	6,237	69,808	27,193
Residential - Pre Paid (Cashpower)	101,320	120,432	119,247	124,215	129,990	134,069	136,455	133,278	151,808	146,347	155,168	132,124	1,453,847	585,446
Residential Scratch Card Sales	8,558	10,075	10,336	11,216	10,945	12,240	12,368	11,758	13,863	13,495	20,857	11,435	124,156	59,650
Residential Total	116,129	137,355	135,917	142,068	144,940	148,611	153,334	153,097	170,490	168,410	183,593	149,796	1,647,811	672,289
Trade Power Sales Total	487,098	574,628	549,171	602,888	590,176	608,227	600,678	633,285	648,441	644,273	630,593	631,536	6,838,516	2,554,843
Intercompany - CPUC Office	1,236	1,353	1,346	1,584	968	1,246	1,258	1,262	1,461	1,294	1,503	1,131	14,914	5,389
Intercompany - CPUC Power Operation	3,662	3,548	4,223	3,313	4,221	5,856	4,138	1,155	3,060	2,733	2,639	3,034	38,604	11,465
Intercompany - CPUC Water Operations	5,341	5,630	5,284	6,191	5,947	6,017	6,247	6,082	5,910	6,332	6,363	5,834	62,774	24,439
Intercompany - CPUC Sewer Operations	6,613	6,986	7,002	7,252	9,058	7,719	7,986	7,184	9,420	7,684	6,220	6,677	88,568	30,000
Cash Power UnEamed	8,145	645	6,506	-5,327	-3,361	-2,319	679	7,172	-2,371	-10,945	12,262	-15,070	9,455	-16,124
Total Power Sales - US\$	512,095	592,791	573,531	615,902	607,009	626,747	620,986	656,139	665,920	651,371	659,579	633,141	7,052,831	2,610,012
Power Sales kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
Government - Post Paid	112,194	133,344	133,282	128,938	130,010	124,632	114,393	123,341	128,300	122,835	114,867	143,735	1,531,838	509,737
Government - Pre Paid (Cash Power)	60,593	90,820	58,860	105,216	81,990	84,888	82,174	69,891	82,440	58,207	88,223	61,133	975,797	290,003
Government - Street Lights	9,372	10,377	10,042	10,377	10,042	10,377	10,377	10,377	10,377	10,377	10,377	10,377	122,514	41,508
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Scratchcard	144	126	109	72	0	0	0	0	0	0	0	0	1,160	0
Government Total	182,303	234,667	202,293	244,603	222,042	219,897	206,944	203,609	221,117	191,419	213,467	215,245	2,631,309	841,248
Commercial - Post Paid	411,038	454,280	460,260	485,944	478,382	492,190	502,928	513,220	470,232	494,277	407,901	519,204	5,684,451	1,891,614
Commercial - Pre Paid (Cashpower)	146,860	179,199	164,461	179,972	164,585	170,374	160,220	172,239	174,360	162,798	173,260	167,933	1,995,954	678,352
Commercial Scratchcard	1,408	1,613	2,230	2,339	0	0	0	0	0	0	0	0	16,680	0
Commercial Total	559,306	635,092	626,952	668,256	642,968	662,564	663,148	685,459	644,592	657,075	581,161	687,137	7,697,085	2,569,966
Residential - Post Paid	13,499	14,757	13,722	14,119	8,460	4,693	9,168	15,876	9,408	16,193	14,025	12,874	149,898	52,500
Residential - Pre Paid (Cashpower)	218,975	259,049	258,389	265,644	270,981	277,232	278,365	263,604	296,326	272,933	295,614	265,203	3,109,297	1,130,076
Residential Scratch Card Sales	18,457	21,602	22,371	23,971	22,757	25,147	25,233	23,185	24,966	31,292	39,434	26,220	264,699	121,912
Residential Total	250,931	295,408	294,483	303,734	302,199	307,072	312,766	302,665	330,700	320,418	349,072	304,297	3,523,893	1,304,487
Trade Power Sales Total	992,540	1,165,166	1,123,728	1,216,593	1,167,208	1,189,532	1,182,858	1,191,733	1,196,409	1,168,912	1,143,700	1,206,680	13,852,288	4,715,701
Intercompany - CPUC Office	4,905	5,371	5,341	6,287	3,840	4,944	4,992	4,582	5,797	5,135	5,963	4,488	58,756	21,383
Intercompany - CPUC Power Operation	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	10,845	10,472	12,039	153,619	45,498
Intercompany - CPUC Water Operations	21,194	22,342	20,967	24,568	23,600	23,876	24,789	24,134	23,451	25,126	25,250	23,152	272,124	96,979
Intercompany - CPUC Sewer Operations	26,243	27,721	27,784	28,777	35,943	30,632	31,690	28,507	37,380	30,492	24,681	26,495	351,460	119,048
Cash Power Unearned (accrual)	18,562	1,783	12,607	-9,657	-6,799	-581	2,115	16,509	-1,558	-17,254	20,020	-33,182	35,099	-31,974
Total Power Sales - kWh	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	1,273,621	1,223,256	1,230,086	1,239,672	14,723,346	4,966,636

Financial Table 4 Water Sales Report – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019
Water/Sewer Sales Report														
Water Sales US\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	5,175	6,509	4,473	6,285	6,073	4,539	5,030	4,970	5,708	4,836	6,313	4,945	64,292	21,801
Commercial	9,615	8,427	7,950	9,549	7,748	9,437	9,911	10,118	9,379	10,650	11,402	6,239	107,226	37,671
Residential	9,391	8,077	7,195	9,756	8,102	8,380	9,542	8,745	9,409	7,761	10,902	7,050	105,891	35,122
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	-3,693	0
Total	24,181	23,014	19,618	25,590	21,923	22,356	24,483	23,833	24,496	23,247	28,617	18,234	273,716	94,595
Sewer Sales - US\$														
Government	2,455	3,112	2,159	2,976	2,937	2,057	2,405	2,380	2,739	2,295	3,015	2,341	30,340	10,390
Commercial	4,407	3,731	3,283	6,978	2,994	3,103	3,442	3,051	6,753	8,223	7,211	6,981	45,250	29,169
Commercial with No Water	3,685	3,685	3,685	3,685	3,685	3,685	3,705	3,705	0	0	0	0	44,261	0
Residential	590	533	465	643	494	725	733	620	2,712	2,756	2,975	2,523	7,167	10,966
Residential with No Water	1,640	1,672	1,690	1,690	1,660	1,720	2,080	2,080	0	0	0	0	21,372	0
Provision for Billing Errors	-284	0	0	0	0	0	0	0	0	0	0	0	-3,057	0
Sewer Sales	12,495	12,733	11,282	15,973	11,771	11,289	12,366	11,836	12,204	13,274	13,201	11,845	145,333	50,525
Total Water & Sewer Sales	36,676	35,747	30,900	41,563	33,693	33,645	36,849	35,669	36,700	36,522	41,818	30,079	419,049	145,120
Water Sales - Gallons														
Government	1,060,550	1,325,570	1,024,000	1,284,200	1,235,380	929,270	1,027,400	1,020,140	1,163,478	989,349	1,289,270	1,017,996	13,253,730	4,460,093
Commercial	2,021,732	1,755,524	1,412,626	1,959,536	1,600,245	1,987,310	2,059,220	2,059,130	1,959,674	2,220,194	2,354,520	1,741,160	22,148,259	8,275,548
Residential	3,531,293	3,060,852	2,844,630	3,612,323	3,059,913	3,466,640	3,533,960	3,275,420	3,533,710	3,227,530	4,021,600	2,627,420	39,930,226	13,410,260
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	49,325	0
Total	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,620,580	6,354,690	6,656,862	6,437,073	7,665,390	5,386,576	75,381,540	26,145,901

Financial Table 5 Key Performance Indicators – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019
1a. Non Revenue Power	16.9%	16.0%	19.1%	16.0%	12.9%	15.2%	13.9%	12.5%	16.2%	15.5%	15.3%	12.7%	15.6%	14.9%
Total Power Generated - kWh	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	1,519,270	1,447,320	1,451,890	1,419,536	17,441,330	5,838,016
Total Power Billed - kWh	1,077,977	1,236,463	1,207,183	1,279,716	1,240,541	1,271,643	1,262,866	1,270,474	1,273,621	1,232,256	1,230,086	1,239,672	14,723,346	4,966,636
Generation Loss (actual from Jun 17)	19,438	19,451	22,097	19,348	20,589	28,184	21,414	9,591	17,939	15,980	16,435	16,527	212,248	66,881
Distribution Loss Derived - kWh	167,208	178,969	224,987	186,037	127,084	161,788	146,062	134,856	189,728	171,901	169,072	127,849	2,069,703	658,549
Commercial Loss (assumed 2.5%) - kWh	32,426	36,792	37,289	38,080	35,595	37,477	36,675	36,280	37,982	36,183	36,297	35,488	436,033	145,950
Total Loss - kWh	219,072	235,212	284,372	243,465	183,268	227,449	204,152	180,727	245,648	224,064	221,804	179,864	2,717,984	871,381
Distribution loss %	12.9%	12.2%	15.1%	12.2%	8.9%	10.8%	10.0%	9.3%	12.5%	11.9%	11.6%	9.0%	11.9%	11.3%
1b. Non Revenue Water	68.2%	70.5%	76.4%	69.0%	75.3%	72.2%	71.3%	71.7%	71.5%	74.9%	68.1%	76.1%	71.4%	90.9%
Water Produced (million gallons)	20.81	20.83	22.34	22.13	23.82	22.98	23.08	22.44	23.32	25.65	24.06	22.50	263.4	288
Water Billed (million gallons)	6.61	6.14	5.28	6.86	5.90	6.38	6.62	6.35	6.66	6.44	7.67	5.39	75	26
2. Current ratio	3.96	4.22	3.78	3.94	3.86	4.35	4.06	4.19	3.90	3.91	4.33	4.06	4.06	3.90
	3.74	3.95	3.59	3.69	3.63	4.12	3.86	3.98	3.69	3.70	4.13	3.86	3.84	3.69
	10.55	12.88	9.42	10.49	9.70	8.44	7.57	7.37	8.69	7.89	7.72	6.64	8.46	8.69
	5.30	6.51	4.95	6.75	6.40	8.11	6.82	8.15	7.90	9.40	8.25	8.42	7.46	7.90
3. ROA (excludes other operating income/grant support)	-0.15%	-0.09%	-0.39%	-0.12%	-0.03%	-0.13%	-0.02%	0.22%	0.15%	0.19%	0.21%	0.01%	-0.01	0.00
Power Business	0.15%	0.27%	-0.03%	0.21%	0.33%	0.27%	0.36%	0.64%	0.52%	0.52%	0.55%	0.41%	0.03	0.01
Water Business	-3.90%	-4.51%	-5.29%	-2.10%	-1.96%	-2.59%	-2.08%	-1.95%	-1.18%	-1.10%	-0.85%	-2.07%	-0.25	-0.01
Sewer Business	-0.89%	-0.98%	-1.22%	-0.99%	-1.03%	-1.14%	-1.07%	-0.96%	-1.01%	-0.86%	-0.98%	-1.09%	-0.13	-0.01
4. Operating ratio	0.83	0.83	0.94	0.85	0.81	0.86	0.82	0.74	0.78	0.76	0.76	0.81	0.83	0.78
Power Business	0.77	0.77	0.85	0.79	0.75	0.78	0.75	0.69	0.73	0.72	0.72	0.74	0.76	0.73
Water Business	1.26	1.41	1.57	1.38	1.40	1.66	1.44	1.38	1.11	1.06	0.95	1.63	1.46	1.11
Sewer Business	2.38	2.66	3.78	2.21	2.75	3.22	2.79	2.45	2.66	2.06	2.44	2.93	2.81	2.66
5. Days in Accounts Receivable	22.97	25.69	25.42	24.22	25.44	24.62	22.85	24.16	23.08	26.37	24.90	28.86	22.45	23.08
Power Business	13.96	16.13	15.67	14.69	15.91	15.64	14.57	15.96	14.63	17.54	16.04	18.70	13.85	14.63
Water Business	126.26	138.17	151.48	114.90	118.52	91.04	77.19	75.25	73.82	70.91	55.35	89.17	77.10	73.82
Sewer Business	238.76	267.30	320.45	246.58	343.35	373.40	354.78	404.47	408.19	409.81	427.49	511.16	337.09	408.19

Power Table 1 Power Operation Indicators – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019 YTD
Generation Statistics														
Diesel Generation - kWh	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	1,496,930	1,421,593	1,428,107	1,392,221	17,122,425	5,738,851
Peak Generation - kW	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,943	2,829	2,622	2,941	11,300
Fuel Consumption - Gallons	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	95,533	96,308	93,404	1,143,186	385,868
Average Fuel Price (\$/Gallon)	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.63	3.37	3.03	3.33	13.65
Load Factor (%)	66%	73%	68%	71%	67%	71%	69%	68%	69%	65%	68%	72%	67%	67%
Capacity Factor (%)	46%	48%	52%	51%	50%	49%	50%	51%	52%	53%	51%	47%	40%	153%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	200%	100%	100%
Reserve Plant Margin (%)	202%	191%	169%	173%	176%	182%	178%	174%	168%	165%	176%	197%	165%	168%
Solar PV Generation - kWh	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	25,727	23,783	27,315	318,905	99,165
Solar Generation %	1.9%	2.0%	1.9%	1.8%	1.8%	1.8%	1.4%	2.4%	1.5%	1.8%	1.6%	1.9%	1.8%	1.7%
Peak PV Generation -kW	195	228	217	213	204	213	155	276	175	201	186	213	153	1,411
Avoided Fuel - Gallons	1,643	1,943	1,853	1,830	1,758	1,832	1,332	2,376	1,502	1,729	1,604	1,833	21,293	6,668
Avoided Cost of Fuel - US\$	5,489	6,413	6,096	6,224	6,205	6,466	4,662	8,373	5,439	6,279	5,405	5,543	70,922	22,784
Tons of CO2 avoided	16.6	19.6	18.7	18.5	17.8	18.5	13.5	24.0	15.2	17.5	16.2	18.5	215.1	67.3
Labour Productivity (kWh/Emp/d)	1,420	1,610	1,634	1,670	1,560	1,643	1,615	1,580	1,671	1,587	1,594	1,554	1,466	1,458
SFOC (kWh/gal)	15.16	15.03	15.00	14.90	14.89	14.90	14.87	14.86	14.88	14.88	14.83	14.91	14.98	14.87
DG1 - GE 1.8	16.03	15.28	15.56	15.42	15.39	15.38	14.87	15.11	15.00	15.00	14.93	15.04	15.36	14.99
DG2 - GE 1.8	15.02	15.04	12.96	0.00	0.00	15.09	14.96	15.20	15.15	14.98	14.85	15.29	15.01	15.07
DG3 - CAT 1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DG4 - CAT 1.3	12.69	14.58	14.27	14.32	14.23	14.26	13.70	0.00	0.00	0.00	0.00	0.00	14.24	0.00
DG5 - CAT 1.3	14.01	14.73	14.26	14.35	14.42	13.09	13.90	13.02	13.83	13.72	12.93	13.51	14.09	13.61
SLOC (kWh/gal)	3,270	5,657	7,071	3,649	6,353	3,803	2,548	2,216	5,780	1,932	4,698	5,396	3,747	3,686
DG1 - GE 1.8	2,301	5,535	8,436	3,340	6,954	4,471	1,326	2,856	4,249	1,461	4,304	3,105	3,655	2,792
DG2 - GE 1.8	1,624	0	0	0	0	0	0	0	0	0	0	0	3,211	3,893
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outage Factor (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Planned Outage Factor (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Distribution														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	24.3%	25.2%	27.3%	26.9%	26.6%	26.0%	26.4%	26.8%	27.4%	27.7%	26.6%	24.7%	27.7%	27.4%
Distribution Losses (%)	8.4%	7.5%	10.6%	7.5%	4.4%	6.7%	5.4%	4.0%	7.7%	7.0%	6.8%	4.2%	85.0%	25.6%
SAIDI (hours/consumer)	0.18	0.00	0.01	0.05	0.10	0.04	0.01	0.22	0.07	0.09	0.00	0.04	2.94	0.20
SAIFI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.024	0.004
Average Cost (\$/kWh)	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.22	0.20	0.22	0.23

Power Table 2 Power Generation Statistics – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019 YTD
Generation - Engine Output (kWh)														
DG1 - GE 1.8	814,476	885,536	868,903	801,572	764,918	769,020	613,939	456,999	599,140	526,088	667,180	388,078	8,772,077	2,180,486
DG2 - GE 1.8	56,835	9,924	5,797	0	0	447,921	776,739	781,727	706,479	786,323	723,362	781,079	4,466,850	2,997,243
DG3 - CAT 1.6	0	0	0	0	0	0	663	0	3,050	0	0	0	663	3,050
DG4 - CAT 1.3	97,070	333,831	392,170	226,753	294,660	64,518	483	0	0	0	0	249	1,632,075	249
DG5 - CAT 1.3	303,752	213,185	196,890	467,581	338,059	190,332	55,380	177,172	188,261	109,182	37,565	222,815	2,250,760	557,823
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Generation Total (kWh)	1,272,133	1,442,476	1,463,760	1,495,906	1,397,637	1,471,791	1,447,204	1,415,898	1,496,930	1,421,593	1,428,107	1,392,221	17,122,425	5,738,851
Airport Solar Panel	6,857	5,060	6,227	4,803	5,322	4,761	4,605	5,975	6,816	6,629	6,749	6,087	69,699	26,281
High School Solar Grid Connect	18,059	24,139	21,568	22,472	20,850	22,540	15,209	29,328	15,524	19,098	17,034	21,228	249,206	72,884
Solar PV Generation Total (kWh)	24,916	29,199	27,795	27,275	26,172	27,301	19,814	35,303	22,340	25,727	23,783	27,315	318,905	99,165
Total Generation (kWh)	1,297,049	1,471,675	1,491,555	1,523,181	1,423,809	1,499,092	1,467,018	1,451,201	1,519,270	1,447,320	1,451,890	1,419,536	17,441,330	5,838,016
Maximum Demand (kW)	2,584	2,679	2,895	2,857	2,825	2,767	2,808	2,851	2,906	2,943	2,829	2,622	2,941	2,943
Engine Rating kW (at 0.8 PF)														
DG1 - GE 1.8	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
DG2 - GE 1.8	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
DG3 - CAT 1.6	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
DG4 - CAT 1.3	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
DG5 - CAT 1.3	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
CAT #3 - Retired May 2017	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Station Services (kWh)	14,533	14,080	16,756	13,148	16,749	23,240	16,422	5,009	12,142	10,845	10,472	12,039	153,619	45,498
Running Hours														
DG1 - GE 1.8	638	689	681	665	639	711	611	482	545	499	652	391	7,588	2,087
DG2 - GE 1.8	50	10	7	0	0	432	711	705	622	705	680	654	4,073	2,661
DG3 - CAT 1.6	0	0	0	0	0	0	2	0	7	0	0	0	2	7
DG4 - CAT 1.3	180	353	459	278	385	115	3	0	0	0	0	0	2,064	0
DG5 - CAT 1.3	395	256	237	553	437	269	87	302	253	182	56	330	2,960	821
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours	1,263	1,308	1,384	1,496	1,461	1,527	1,414	1,489	1,427	1,386	1,388	1,375	16,687	5,576

Power Table 3 Fuel & Lube Oil Statistics – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019 YTD
Fuel Consumption (Gallons)														
DG1 - GE 1.8	50,796	57,966	55,846	51,967	49,717	50,005	41,289	30,252	39,939	35,076	44,685	25,803	571,208	145,503
DG2 - GE 1.8	3,785	660	447	0	0	29,682	51,936	51,437	46,617	52,498	48,718	51,088	297,646	198,921
DG3 - CAT 1.6	0	0	0	0	0	0	51	0	450	0	0	0	51	450
DG4 - CAT 1.3	7,649	22,899	27,483	15,839	20,709	4,525	35	0	0	0	0	20	114,582	20
DG5 - CAT 1.3	21,674	14,474	13,805	32,588	23,437	14,542	3,985	13,604	13,616	7,960	2,905	16,493	159,700	40,974
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Fuel Consumption (Gals)	83,904	95,999	97,581	100,394	93,863	98,754	97,296	95,293	100,623	95,533	96,308	93,404	1,143,186	385,868
Average Fuel Price (\$/Gallon)	3.34	3.30	3.29	3.40	3.53	3.53	3.50	3.52	3.62	3.63	3.37	3.03	3.33	3.42
Lube Oil Consumption (Gallons)														
DG1 - GE 1.8	89	160	103	0	110	172	198	0	0	265	0	0	1,258	265
DG2 - GE 1.8	35	0	0	0	0	25	105	265	0	265	0	0	823	265
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	10	0	0	0	0	0	0	0	25	0
DG5 - CAT 1.3	0	0	9	0	5	0	0	95	0	0	0	0	109	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LO Consumption (Gals)	124	160	112	0	125	197	303	360	0	530	0	0	2,215	530
Oil Change Log (75 Gal/Change)														
DG1 - GE 1.8	265	0	0	240	0	0	265	160	141	95	155	125	1,142	516
DG2 - GE 1.8	0	0	0	0	0	0	0	119	118	111	149	127	568	505
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	95	0	95	0	0	0	0	0	6	190	6
DG5 - CAT 1.3	0	95	95	75	95	95	0	0	0	0	0	0	455	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil Change Volume (Gals)	265	95	95	410	95	190	265	279	259	206	304	258	2,355	1,027

Power Table 4 Distribution Feeder Statistics February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	2018 YTD	2019 YTD
Feeder 1 Load	337,024	390,261	392,615	408,635	388,111	397,981	388,731	387,602	393,189	378,169	368,423	363,908	4,606,622	1,503,689
Feeder 2 Load	111,784	126,393	127,629	124,573	112,270	117,490	115,156	122,494	128,796	123,570	125,549	119,343	1,455,155	497,258
Feeder 3 Load	383,908	429,225	412,167	418,084	412,284	439,104	430,116	422,751	454,583	435,762	439,710	425,879	5,114,975	1,755,934
Feeder 4 Load	349,067	390,147	378,916	386,126	341,765	357,225	348,312	345,868	363,327	332,911	343,791	333,549	4,464,146	1,373,578
Feeder 5 Load	95,828	116,198	158,131	166,415	148,790	159,108	163,289	162,895	161,436	160,928	157,982	160,330	1,588,184	640,676
Total Feeder Load (kWh)	1,277,611	1,452,224	1,469,458	1,503,833	1,403,220	1,470,908	1,445,604	1,441,610	1,501,331	1,431,340	1,435,455	1,403,009	17,229,082	5,771,135
													0	0
Feeder 1 Sales	284,561	348,192	319,342	352,439	335,551	342,521	327,785	320,046	346,801	316,668	343,035	310,536	3,961,355	1,317,040
Feeder 2 Sales	83,640	107,841	92,865	103,815	89,614	88,833	97,025	103,912	95,219	103,615	109,677	92,743	1,170,347	401,254
Feeder 3 Sales	337,654	363,674	339,801	358,328	368,224	358,796	347,271	381,846	371,324	362,552	341,229	377,205	4,399,688	1,452,310
Feeder 4 Sales	280,154	313,757	305,017	309,036	306,649	325,758	336,350	316,697	322,152	300,896	299,126	309,193	3,766,831	1,231,367
Feeder 5 Sales	73,870	82,994	130,183	137,661	124,197	127,795	135,897	142,532	129,824	138,109	120,489	141,257	1,260,670	529,678
Total Feeder Sales (kWh)	1,059,880	1,216,458	1,187,208	1,261,279	1,224,236	1,243,703	1,244,328	1,265,033	1,265,320	1,221,840	1,213,555	1,230,934	14,558,891	4,931,649
Feeder 1 Loss - kWh	52,463	42,069	73,273	56,196	52,560	55,460	60,946	67,556	46,388	61,501	25,388	53,372	645,267	186,649
Feeder 2 Loss - kWh	28,144	18,552	34,764	20,758	22,656	28,657	18,131	18,582	33,577	19,955	15,872	26,600	284,808	96,004
Feeder 3 Loss - kWh	46,254	65,551	73,366	59,756	44,060	80,308	82,845	40,905	83,259	73,210	98,481	48,674	715,287	303,624
Feeder 4 Loss - kWh	68,913	76,390	73,899	77,090	35,116	31,467	11,962	29,171	41,174	32,015	44,665	24,356	697,315	142,211
Feeder 5 Loss - kWh	21,958	33,204	27,948	28,754	24,593	31,313	27,392	20,363	31,612	22,819	37,493	19,073	327,514	110,998
Total Feeder Loss - kWh	217,731	235,766	282,250	242,553	178,984	227,205	201,276	176,577	236,010	209,500	221,900	172,075	2,670,191	839,486
Feeder 1 Loss - %	15.6%	10.8%	18.7%	13.8%	13.5%	13.9%	15.7%	17.4%	11.8%	16.3%	6.9%	14.7%	14.0%	12.4%
Feeder 2 Loss - %	25.2%	14.7%	27.2%	16.7%	20.2%	24.4%	15.7%	15.2%	26.1%	16.1%	12.6%	22.3%	19.6%	19.3%
Feeder 3 Loss - %	12.0%	15.3%	17.6%	14.3%	10.7%	18.3%	19.3%	9.7%	18.3%	16.8%	22.4%	11.4%	14.0%	17.3%
Feeder 4 Loss - %	19.7%	19.6%	19.5%	20.0%	10.3%	8.8%	3.4%	8.4%	11.3%	9.6%	13.0%	7.3%	15.6%	10.4%
Feeder 5 Loss - %	22.9%	28.6%	17.7%	17.3%	16.5%	19.7%	16.8%	12.5%	19.6%	14.2%	23.7%	11.9%	20.6%	17.3%
Total Feeder Loss - %	17.0%	16.2%	19.2%	16.1%	12.8%	15.4%	13.9%	12.2%	15.7%	14.6%	15.5%	12.3%	15.5%	14.5%

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

	kWh/Connection		
	Residential	Commercial	Government
F01	276	1,164	6,561
F02	207	2,370	1,536
F03	226	3,971	387
F04	195	3,472	3,967
F05	174	3,592	4,427
Total	216	2,914	3,376

Power Table 6 Power Distribution Statistics – February 2018 to January 2019

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

Power Table 7 Power Outage Statistics – February 2018 to January 2019

	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	FY2018	FY2019 YTD
Duration of Outages (Hrs)														
Forced - Generation	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Planned - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Duration Gen Outage (Hrs)	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Forced - Distribution	0.0	0.0	0.3	1.4	0.5	1.0	0.3	1.1	2.0	2.5	0.0	1.1	40.3	5.5
Feeder 1	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Feeder 2	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	1.1	7.9	1.1
Feeder 3	0.0	0.0	0.1	0.6	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Feeder 4	0.0	0.0	0.1	0.1	0.1	0.2	0.1	1.1	0.1	0.3	0.0	0.0	1.6	0.4
Feeder 5	0.0	0.0	0.1	0.5	0.1	0.2	0.1	0.0	1.9	2.2	0.0	0.0	29.3	4.1
Planned - Distribution	5.0	0.0	0.0	0.0	2.3	0.0	0.0	5.0	0.0	0.0	0.0	0.0	39.8	0.0
Feeder 1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0
Feeder 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	27.4	0.0
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feeder 4	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Duration Dist Outage (Hrs)	5.0	0.0	0.3	1.4	2.8	1.0	0.3	6.1	2.0	2.5	0.0	1.1	80.1	5.5

Water Table 1 Water Production & Sales Data Statistics – February 2018 to January 2019

COMPANY WIDE DATA	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	FY2019
Water Production (Millions)													
WTP Production	349,600	300,800	583,300	2,468,300	1,481,700	1,594,000	833,100	580,100	1,727,500	2,053,700	1,900,500	1,000,000	6,681,700
Pink Apartment Volume start of Month	763,800	763,800	530,000	425,000	558,600	404,700	450,300	518,700	518,700	581,400	582,000	582,000	2,264,100
Pink Apartment Volume end of Month	1,105,400	1,105,400	425,000	558,600	404,700	450,300	518,700	518,700	581,400	582,000	582,000	582,000	2,327,400
Pink Apartment Vol in to Supply/(Storage)	-341,600	-341,600	105,000	-133,600	153,900	-45,600	-68,400	0	-62,700	-600	0	0	-63,300
Tankered volume for billing	8,000	8,000	0	26,500	26,500	12,000	12,000	12,000	0	0			0
Well Production (into supply)	20,814,200	20,877,200	21,912,700	19,821,100	21,912,700	21,439,900	22,322,700	21,873,000	21,656,400	23,599,000	22,162,684	21,498,700	88,916,784
Volume into network	20,814,200	20,828,400	22,601,000	22,129,300	23,521,800	22,976,300	23,075,400	22,441,100	23,321,200	25,652,100	24,063,184	22,498,700	95,535,184
Water Volume Bill (Millions)													
Commercial	1,401,826	1,449,674	1,412,626	1,711,186	1,458,732	1,508,790	1,702,780	1,651,810	1,667,764	2,141,584	1,759,840	1,535,470	7,104,659
Government (excludes hospital)	1,017,940	906,780	529,200	884,820	829,540	526,220	293,630	385,370	471,488	431,839	626,300	446,046	1,975,673
Government Hospital	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	598,200	643,300	546,400	2,467,400
Residential	3,684,909	3,107,592	2,844,630	3,711,453	3,017,666	3,835,110	3,898,610	3,696,910	3,838,110	2,986,070	4,364,060	2,846,350	14,034,590
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
Total	6,613,575	6,141,946	5,281,256	6,856,059	5,895,538	6,383,220	6,610,620	6,384,690	6,656,862	6,157,693	7,393,500	5,374,266	25,582,322
NRW													
Volume	14,200,625	14,686,454	17,319,744	15,273,241	17,626,262	16,593,080	16,464,780	16,056,410	16,664,338	19,494,407	16,669,684	17,124,434	69,952,862
Percentage	68.2%	70.5%	76.6%	69.0%	74.9%	72.2%	71.4%	71.5%	71.5%	76.0%	69.3%	76.1%	73.2%
Invoiced Water Value (USD)													
Water Delivery and Bunkering													0
Commercial	\$9,812	\$8,474	\$8,010	\$9,550	\$7,748	\$9,578	\$9,958	\$10,159	\$9,438	\$10,685	\$11,474	\$8,378	39,975
Government (includes hospital)	\$5,175	\$6,509	\$4,473	\$6,285	\$6,073	\$4,539	\$4,419	\$4,452	\$5,708	\$4,836	\$6,314	\$4,945	21,802
Residential	\$9,391	\$8,077	\$7,195	\$9,756	\$8,294	\$9,281	\$9,538	\$8,745	\$9,409	\$8,480	\$11,186	\$7,051	\$36,125
Total	\$24,378	\$23,060	\$19,678	\$25,591	\$22,115	\$23,398	\$23,915	\$23,356	\$24,554	\$24,000	\$28,974	\$20,374	\$97,902
Sewer Charge (USD)													
Commercial	\$4,408	\$3,731	\$3,283	\$3,293	\$2,994	\$3,204	\$3,442	\$3,342	\$3,068	\$4,538	\$3,526	\$3,296	\$14,428
Commercial -w/o water	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,685	\$3,705	\$3,705	\$3,685	\$3,685	\$3,685	\$3,685	\$14,740
Government	\$2,455	\$3,112	\$2,159	\$2,976	\$2,937	\$2,057	\$2,405	\$2,380	\$2,739	\$2,295	\$3,015	\$2,341	\$10,390
Residential	\$590	\$579	\$465	\$643	\$588	\$740	\$733	\$630	\$642	\$693	\$1,005	\$533	\$2,873
Residential w/o water	\$1,640	\$1,675	\$1,690	\$1,690	\$1,660	\$1,720	\$2,089	\$2,076	\$2,070	\$2,060	\$1,990	\$1,990	\$8,110
Total	\$12,779	\$12,782	\$11,282	\$12,287	\$11,864	\$11,405	\$12,375	\$12,133	\$12,204	\$13,271	\$13,221	\$11,845	\$50,541

Water Table 2 Water/Sewer Connection Data – February 2018 to January 2019

COMPANY WIDE DATA	Feb 18	Mar 18	Apr 18	May 18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	FY2019
Water Connection Data (No. of Connections)							470	473	481	481	478	479	479
Commercial - Billed	83	83	82	82	82	79	78	79	76	77	76	76	76
Commercial - Disconnected	0	0	1	1	1	4	5	5	8	8	8	8	8
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	16,889	17,466	17,227	20,868	17,789	19,099	21,831	20,909	21,944	27,813	23,156	20,204	93,482
Government - Billed	18	18	17	16	15	14	16	15	18	18	14	18	18
Government - Disconnected	5	5	6	7	7	7	8	8	7	7	7	7	7
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	56,552	50,377	31,129	55,301	55,303	37,587	18,352	25,691	26,194	23,991	44,736	24,780	109,760
Hospital - Billed	1	1	1	1	1	1	1	1	1	1	1	1	1
Hospital - Disconnected	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital Avge Consumption - Gall/conn/mth	508,900	677,900	494,800	548,600	589,600	513,100	715,600	650,600	679,500	598,200	643,300	546,400	2,467,400
Residential - Billed	382	390	392	395	394	367	375	378	386	385	387	384	384
Residential - Disconnected	98	92	91	91	92	99	96	96	104	104	104	104	104
Residential - Meter Pulled	93	93	93	93	93	93	93	93	93	93	93	93	93
Residential Avge Consumption - Gall/conn/mth	9,646	7,968	7,257	9,396	7,659	10,450	10,396	9,780	9,943	7,756	11,277	7,412	36,548
Sewer Connection Data (No. of Connections)	459	459	460	459	452	476	505	490	505	508	483	518	518
Commercial Billed	45	45	44	43	41	45	43	40	42	47	39	44	44
Commercial Billed w/o water	53	53	53	53	54	54	54	54	54	54	54	54	54
Government Billed	17	17	16	15	15	13	15	14	17	16	13	17	17
Residential Billed	180	180	178	179	180	189	190	181	193	189	180	206	206
Residential Billed w/o water	164	164	169	169	162	175	203	201	199	202	197	197	197
STP Inflow (MG/month)	24.0	17.8	18.7	18.1	24.9	16.3	13.0	22.1	24.8	14.4	12.1	13.0	64
SEWER OVERFLOW W/O's													
North Zone	1	3	0	2	3	4	2	1	1	2	1	1	5
South Zone	1	0	6	3	1	1	1	1	1	1	1	1	4

Water Table 3 Zonal Water Use Statistics - FY2019

ZONAL NRW - January 2019					ZONAL NRW - FY2019 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	1,000,800	47,184	953,616	95%	1	4,040,500	245,048	3,795,452	94%
2	17,379,200	4,002,700	13,376,500	77%	2	74,859,700	17,836,929	57,022,771	76%
3	544,100	23,100	521,000	96%	3	2,974,684	87,730	2,886,954	97%
4	1,046,200	112,050	934,150	89%	4	3,894,900	635,520	3,259,380	84%
5	20,000	0	20,000	100%	5	80,000	0	80,000	100%
6	2,080,300	974,930	1,105,370	53%	6	8,246,500	4,771,820	3,474,680	42%
7	80,000	73,510	6,490	8%	7	92,000	1,141,560	-1,049,560	-1141%
8	348,100	140,806	207,294	60%	8	1,346,900	863,743	483,157	36%
Total	22,498,700	5,374,280	17,124,420	76.1%	Total	95,535,184	25,582,350	69,952,834	73.2%
ZONAL WATER CONSUMPTION - January 2019					ZONAL WATER CONSUMPTION - FY2019 YTD				
Zone	awge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commercial	Government	Hospital	Residential		Commercial	Government	Hospital	Residential
1	150	0	-	3,617	1	1,200	0	-	18,755
2	21,714	26,047	-	7,016	2	99,820	103,566	-	31,146
3	0	0	-	3,300	3	0	0	-	12,533
4	0	0	-	11,205	4	0	0	-	63,552
5	0	0	-	0	5	0	0	-	0
6	5,325	0	546,400	479	6	33,535	0	2,467,400	61,859
7	0	0	-	12,252	7	0	0	-	190,260
8	0	20,347	-	6,789	8	0	131,438	-	40,413
Total	20,909	25,691	650,600	9,780	Total	93,482	109,760	2,467,400	36,548

Work Order Summary – End January 2019

Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	0	1	1	0	1	0
INTERNAL POWER	0	0	0	0	0	0
INTERNAL SEWER	0	1	1	0	0	1
INTERNAL WATER	0	1	1	0	1	0
POWER	0	10	10	4	9	1
REVENUE	0	16	16	0	9	7
SEWER	0	16	16	6	13	3
WATER	8	55	60	15	45	18
TOTAL ALL WORK ORDERS	8	100	105	25	78	30

Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding and New	WO Outstanding At End
INTERNAL MAINTENANCE	0.0%	1.0%	-	0.0%
INTERNAL POWER	0.0%	0.0%	-	0.0%
INTERNAL SEWER	0.0%	1.0%	-	3.3%
INTERNAL WATER	0.0%	1.0%	-	0.0%
POWER	0.0%	10.0%	90.0%	3.3%
REVENUE	0.0%	16.0%	56.3%	23.3%
SEWER	0.0%	16.0%	81.3%	10.0%
WATER	100.0%	55.0%	71.4%	60.0%
TOTAL ALL WORK ORDERS			72.2%	

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



HEALTH & SAFETY REPORT: FY2019 - January 2019

1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	January 2019						YEAR TO DATE - FY2019					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	10	2,785	0	0	0	0	0	7,770	0	0	0	0	0
Maintenance	10	1,329	0	0	0	0	0	3,915	0	0	0	0	0
Power Distribution - Line	23	3,646	0	0	0	0	0	11,211	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	7,118	0	0	0	0	0
Water & Sewer	23	3,916	0	0	0	0	0	9,289	0	0	0	0	0
Water & Sewer Contractors	0	0	0	0	0	0	0	5,353	0	0	0	0	0
Fin, Admin, Cust Care	20	2,717	0	0	0	0	0	10,563	0	0	0	0	0
Tonoas Contractors	7	1,288	0	0	0	0	0	1,288	0	0	0	0	0
TOTAL	93	15,680	0	0	0	0	0	56,507	0	0	0	0	0

FA - Number of First Aid cases **Total Hours Without Incident: - Whole Company** 723,713
 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	January 2019		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	10	110	0	110
Maintenance	10	33	0	33
Power Distribution - Line	23	131	0	131
Power Distribution - Customer	0	0	0	0
WSS _ Treatment/Prod	23	118	0	118
WSS Networks	0	0	0	0
Finance, Admin Cust Coord	20	269	0	269
Tonoas Contractors	7	0	0	0
TOTAL	86	661	0	661

Year To Date FY2019		
Total Hours Sick	Accident Related	Poor Health
110	0	110
200	0	200
672	0	237
2,002	0	287
134	0	134
935	0	180
333	0	333
0	0	0
4,385	0	1,481

Sick Hours as Percentage of Total Hours Worked	4.2%	0.0%	4.2%
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7.8%	0.0%	2.6%
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DEPARTMENT	Number of Staff	January 2019		
		Total Hours Sick	Accident Related	Poor Health
Sick Hours as Percentage of Total Hours Worked				
Power Generation	10	4.0%	0.0%	4.0%
Maintenance	10	2.5%	0.0%	2.5%
Power Distribution - Line	23	3.6%	0.0%	3.6%
Power Distribution - Customer	0	#DIV/o!	#DIV/o!	#DIV/o!
WSS _ Treatment/Prod	23	0.0%	0.0%	0.0%
WSS Networks	0	#DIV/o!	#DIV/o!	#DIV/o!
Finance, Admin Cust Coord	20	9.9%	0.0%	9.9%
Tonoas Contractors	7	0.0%	0.0%	0.0%
TOTAL	86	4.2%	0.0%	4.2%

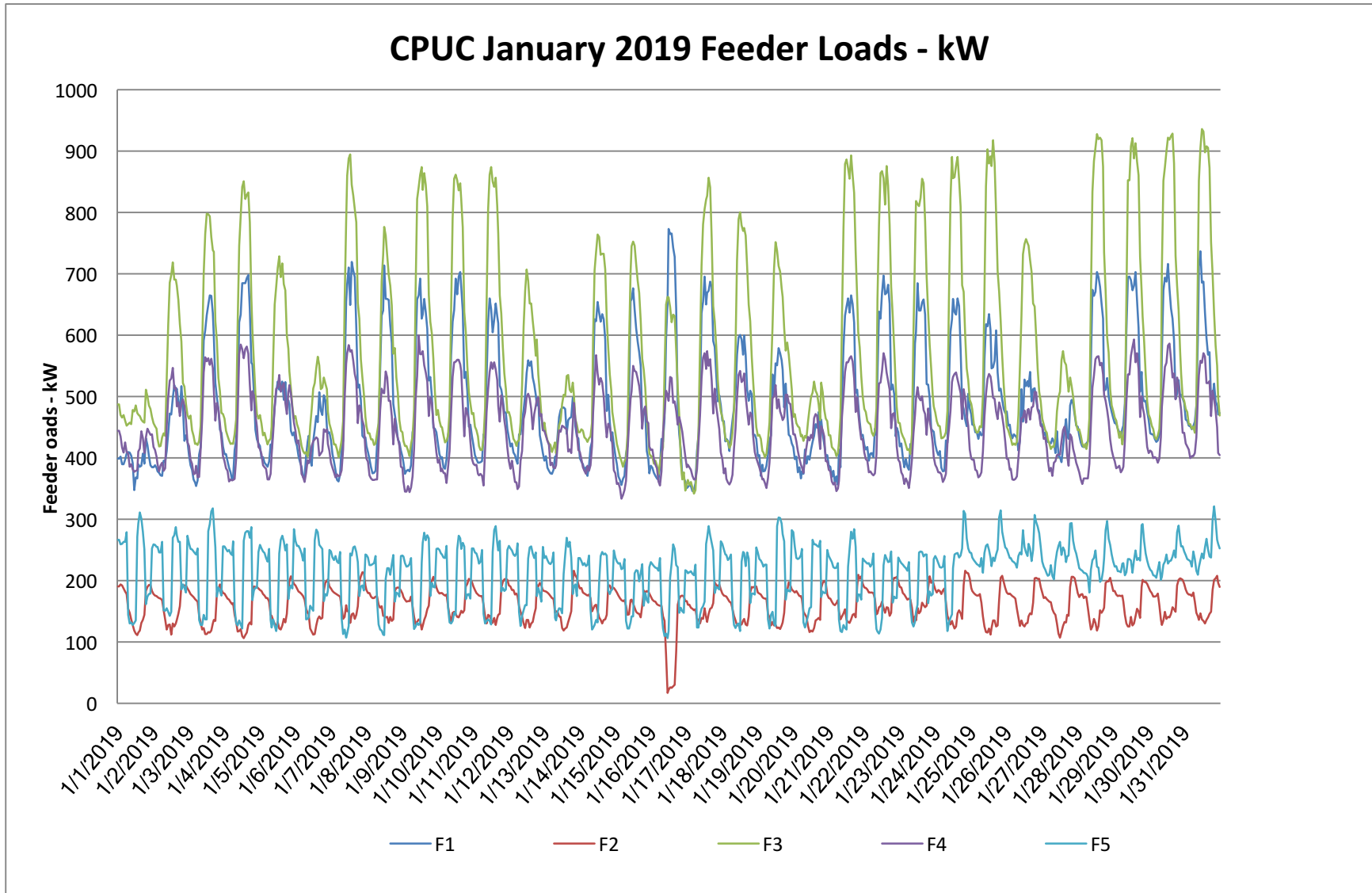
Administration Table 2 Attendance Summary - January 2018 & FY 2019

DEPARTMENT	January 2019								YEAR TO DATE - FY2019							
	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	2,704	81	34	110	114	3,043	0	7,239	531	269	277	353	8,669	8	3.2%
Maintenance	10	1,289	40	40	33	35	1,437	0	3,662	253	241	139	255	4,550	11	3.0%
Power Distribution - Line	23	3,544	101	124	131	169	4,071	0	10,439	773	1,042	418	911	13,582	0	3.1%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	7,113	5	0	16	8	7,142	0	0.2%
Water & Sewer	23	3,472	444	96	118	199	4,330	6	8,481	809	678	298	556	10,822	16	2.8%
Water & Sewer Contractors	0	0	0	0	0	0	0	0	5,353	0	165	64	0	5,582	0	1.1%
Fin, Admin, Cust Care	20	2,519	198	108	269	489	3,582	0	9,935	628	756	776	1,251	13,346	7	5.8%
Tonoas Contractors	7	1,288	0	0	0	0	1,288	0	1,288	0	0	0	0	1,288	0	0.0%
TOTAL EMPLOYEES	93	14,816	864	402	661	1,006	17,750	6	53,509	2,998	3,151	1,988	3,334	63,693	41	3.1%
REGULAR STAFF	86	13,529	864	402	661	1,006	16,463	6	39,756	2,993	2,986	1,908	3,326	50,968	41	
Hours as % of Total Hours Claimed		82.2%	5.2%	2.4%	4.0%	6.1%		0.0%	78.0%	5.9%	5.9%	3.7%	6.5%		0.1%	
CONTRACT STAFF	0	0	0	0	0	0	0	0	12,466	5	165	80	8	12,724	0	
Hours as % of Total Hours Claimed		#DIV/0!	#####	####	#####	#####		#####	98.0%	0.0%	1.3%	0.6%	0.1%		0.0%	

CAPEX Table 1 Capex Summary Sheet - January 2019

Chuuk Public Utility Corporation Capex Summary Sheet as of January 31, 2019								
	A	B	C	D (B-C)	E (A-B)	F	(A+A1-F)	G (F-C)
	Total Value	Commitment	Expended	Commitment Balance	Uncommitted	Cash Drawdown	OIA Balance	Cash Balance
FY 2018 Professional management - D18AF00029	266,298	266,298	209,408	56,890	0	212,149	54,149	2,741
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	360,514	360,514	0	389,486	415,000	335,000	54,486
Total	1,016,298.00	626,812.00	569,922.00	56,890.00	389,486.00	627,149.00	389,149.00	57,227.00

Graph Showing Feeder Loads in kW - January 2019



Graph Showing Generation Output in kW - January 2019

