

## CHUUK PUBLIC UTILITY CORPORATION



### MONTHLY REPORT:

FY2019 – May 2019



Issued: 11 May 2019

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**EXECUTIVE SUMMARY**
**SUMMARY OF KEY STATISTICS**

	May-19	FY2019	US\$/kWh Sold		US\$/kWh generated	
	US\$	US\$	May-19	FY2019	May-19	FY2019
Revenue	764,956	5,584,897	0.582	0.565	0.500	0.485
Variable Costs	349,846	2,664,440	0.266	0.270	0.229	0.231
Fixed Costs	231,725	1,603,871	0.176	0.162	0.151	0.139
Total Expenses	581,571	4,268,310	0.442	0.432	0.380	0.370
Operating result	183,384	1,316,587	0.139	0.133	0.120	0.114
Power generation	1,529,633	11,526,769				
Diesel	1,501,140	11,318,159				
Solar	28,493	208,610				
Solar PV as % of Total Generation	1.9%	1.8%				
Avoided Cost of Fuel - US\$	6,306	46,400				
Tons of CO2 Avoided	19.5	142.7				
Government Sales	234,094	1,708,039	<b>Feeder</b>	<b>Conns</b>	<b>May-19</b>	<b>FY2019</b>
Commercial Sales	663,496	5,080,563	F1	499	339,789	2,582,477
Residential Sales	351,546	2,567,575	F2	496	103,369	805,683
Intercompany Sales	62,469	540,820	F3	403	383,050	2,888,748
Sales Accrual	3,183	-12,335	F4	398	333,010	2,455,239
<b>Total Sales</b>	<b>1,314,788</b>	<b>9,884,664</b>	F5	496	138,207	1,051,453
Power Loss	14.0%	14.2%	<b>Total</b>	<b>2,293</b>	<b>1,297,424</b>	<b>9,783,600</b>
Operating ratio	0.80	0.78	NB - Error on Total and Feeder sales YTD is <1.0%; 18,937 kWh station use is not included			
Water Produced - Gallons	16,247,400	167,121,384				
Water Sold - Gallons	7,305,091	55,029,726				
Non Revenue Water	55.0%	67.1%				

Daily generated output in May was 49,343 kWh/day; 2.7% higher than April. Average daily sales were 42,413 kWh/day; 0.1% higher than April. Total power loss was 14.0% (YTD 14.2%).

Average fuel efficiency for May was 14.8 kWh/gallon – this increased on April figure due to more effective generation planning. The absence of the DG4 for overhaul is impacting overall station fuel efficiency however effort is being taken to maximize efficiency with the engines at hand.

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

Government – 17.8%; Commercial – 50.5%; Residential – 26.7%; Intercompany 4.8%; Accrual 0.2%;

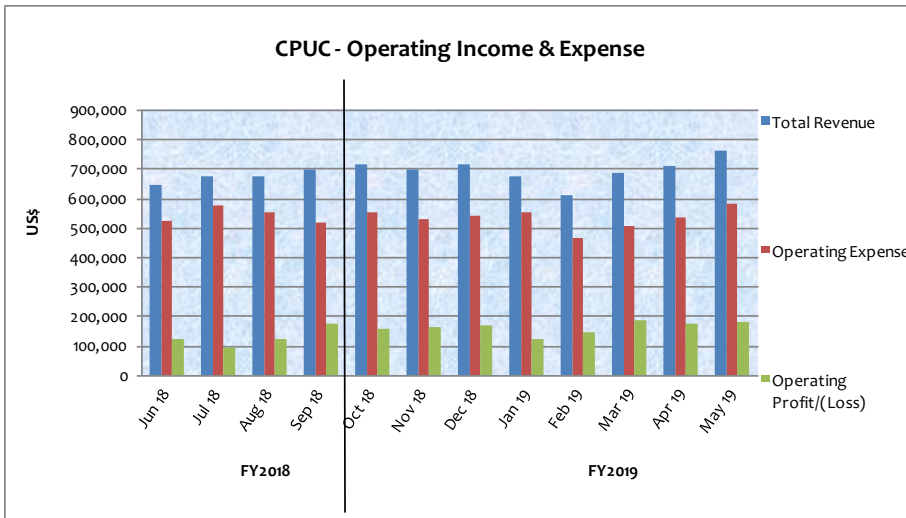
Solar PV generation in May was 28,493 kWh or 1.9% of total generation. The avoided cost of fuel was US\$6,306 and the amount of Carbon Dioxide avoided was 19.5 tons.

From a commercial perspective the operating result for May 2019 was US\$183,384 with an operating ratio of 0.8; YTD US\$ 1,316,587 and 0.78 respectively.

In relation to collections here was a significant reduction in arrears of US\$90,000. That said further effort is required to reduce arrears in particular government arrears.

Work order performance has reduced significantly in the month with work orders outstanding at month end increasing from 150 at end April to 279 at end May – the majority of this under performance is in the water department work orders.

# 1 FINANCIAL PERFORMANCE GRAPHS

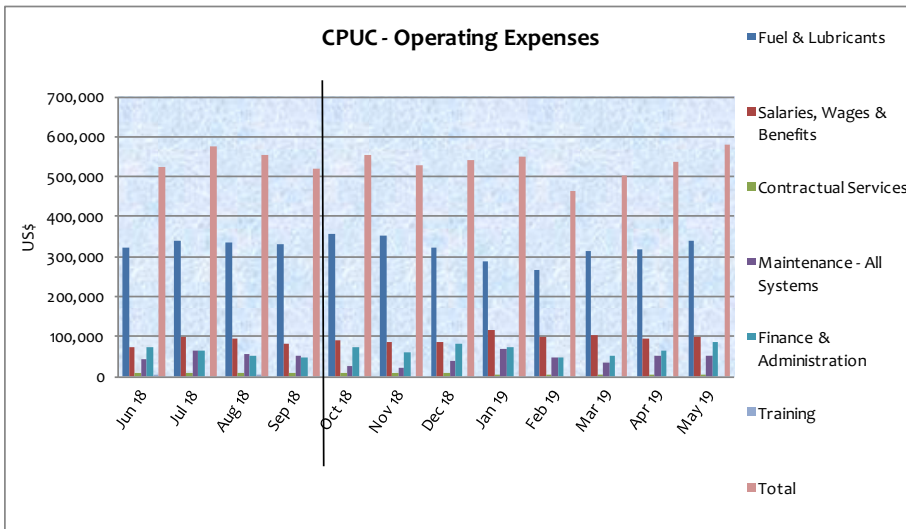


## 1.1 Key Points:

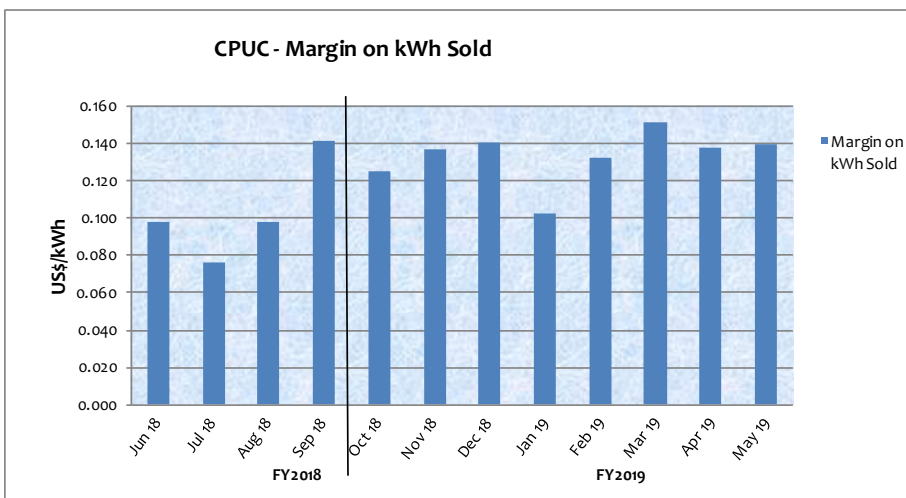
FY2018 Operating income before Depreciation & Interest :

FY2019 US\$1,316,587

Operating ratio: YTD 0.78;

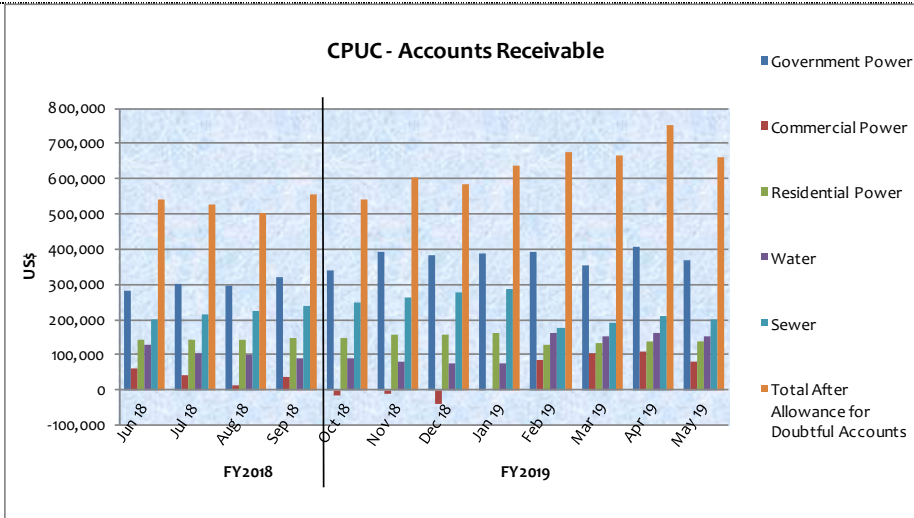


## 1.2 Key Points:



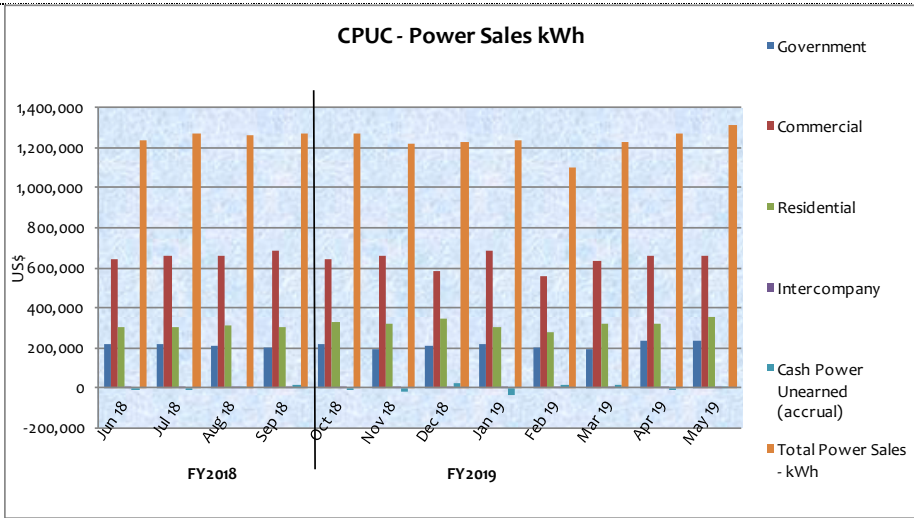
## 1.3 Key Points:

YTD US\$0.133 kWh sold.

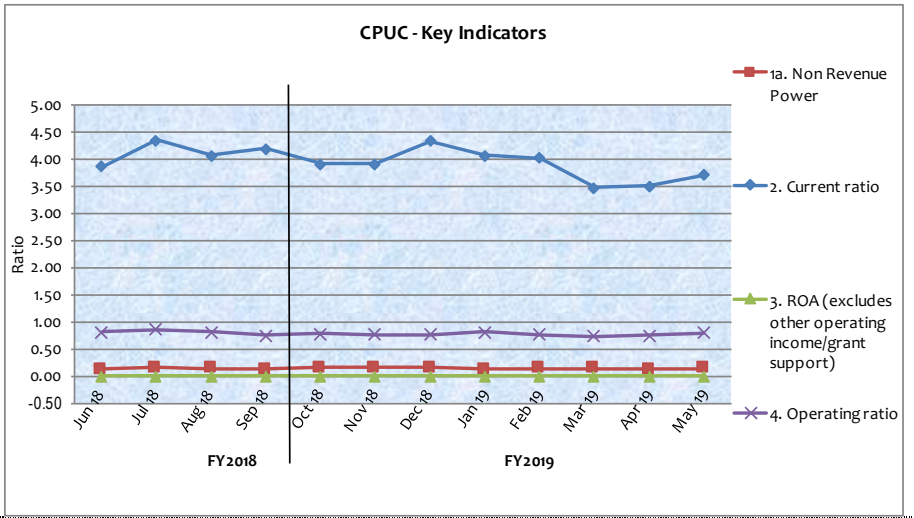


**1.4 Key Points:**

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

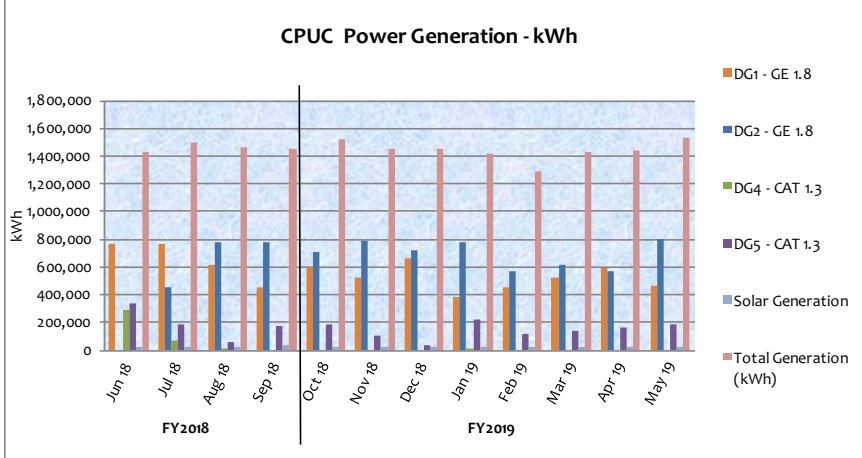


**1.5 Key Points:**

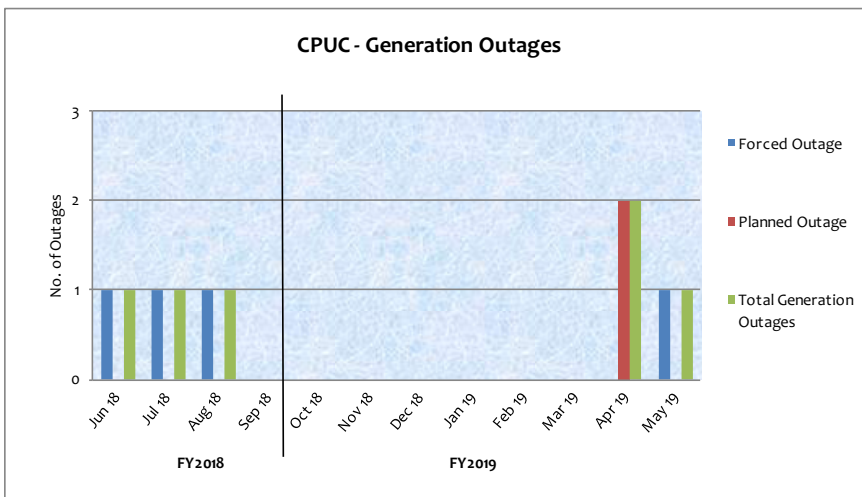


**1.6 Key Points:**

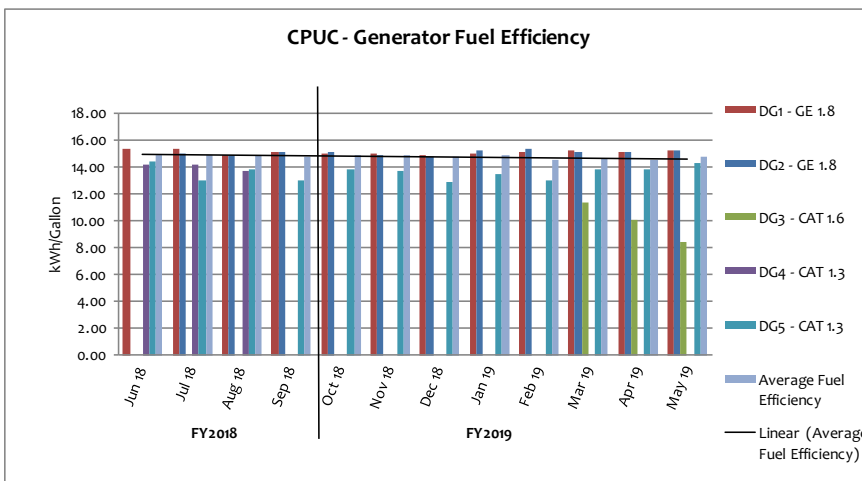
## 2 POWER GENERATION & DISTRIBUTION PERFORMANCE GRAPHS



### 2.1 Key Points:



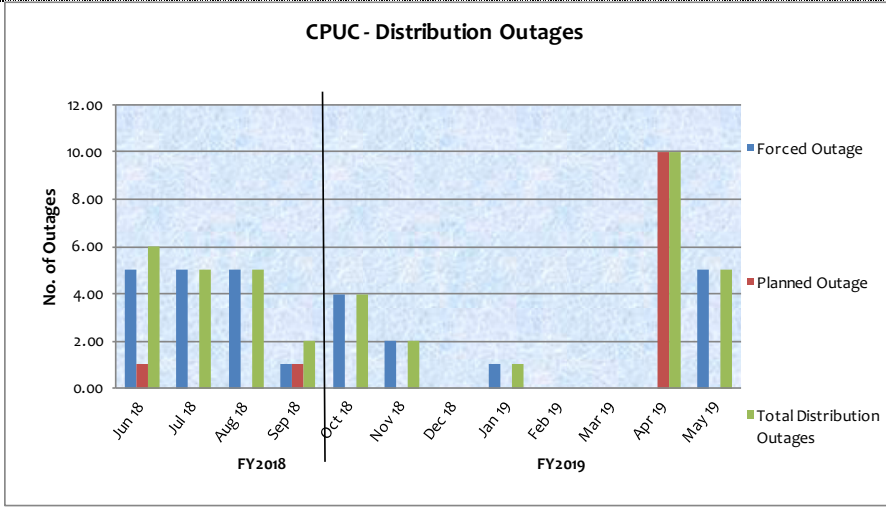
### 2.2 Key Points:



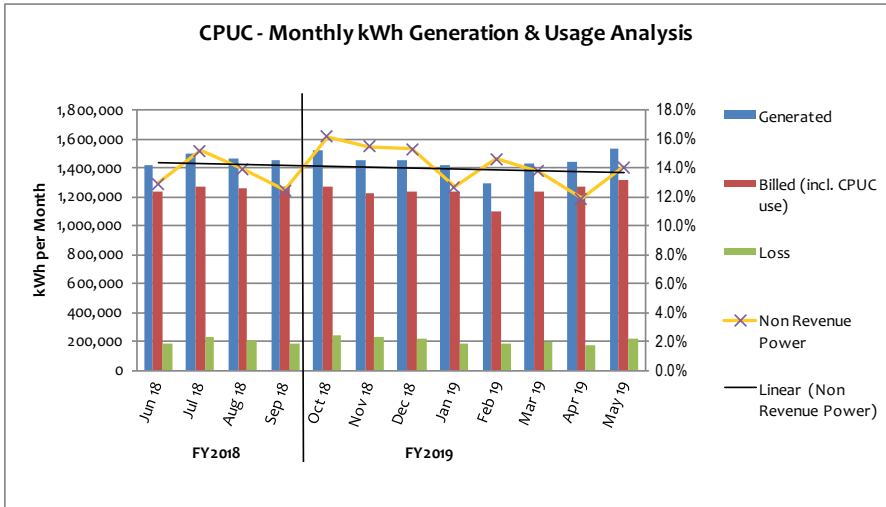
### 2.3 Key Points:

Avg fuel efficiency in FY2019 14.76 kWh/gall.

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

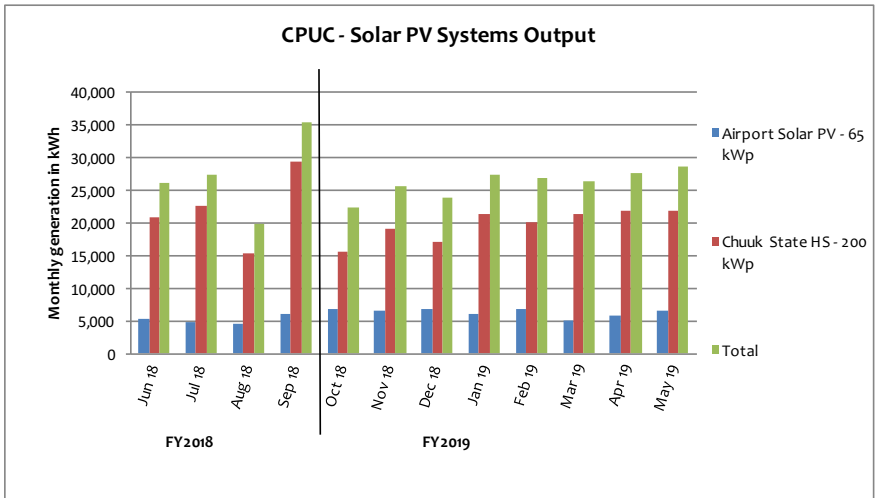


#### 2.4 Key Points



#### 2.5 Key Points:

Power loss for May 2019 – 14.1%;



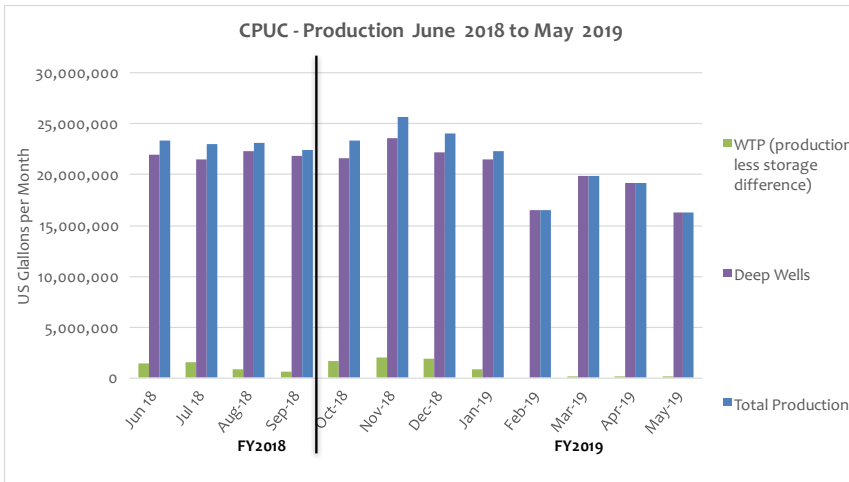
#### 2.6 Key Points:

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

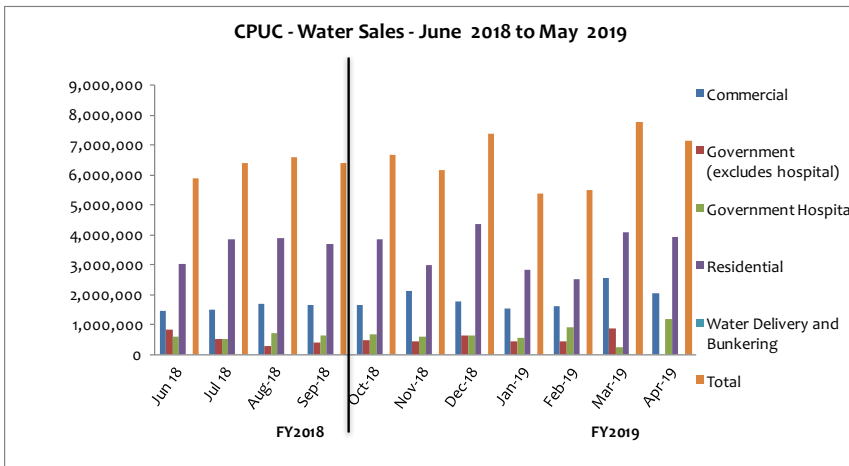
The avoided cost of fuel was: US\$6,306

Avoided Tons of CO<sub>2</sub> was 19.5 Tons;

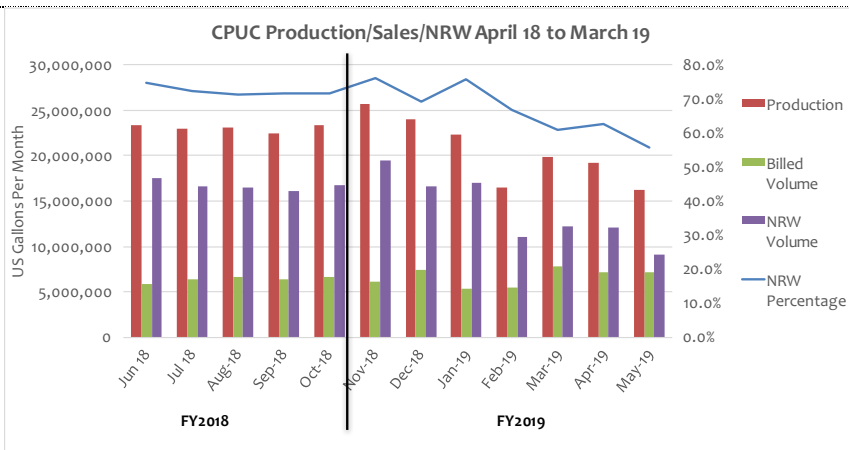
### 3 WATER PERFORMANCE GRAPHS



**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 – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019
<b>Revenue - US\$</b>														
<b>Operating revenue:</b>														
a. Power Sales	607,009	626,747	620,986	656,139	665,920	651,371	659,579	633,141	559,058	626,175	656,054	687,303	7,058,632	5,138,603
b. Water Sales	21,923	22,356	24,483	23,833	24,496	23,247	28,617	18,234	18,457	28,961	30,872	28,118	273,716	201,002
c. Sewer Sales	11,771	11,289	12,366	11,836	12,204	13,274	13,201	11,845	12,625	14,646	15,832	14,636	145,333	108,264
d. Other operating revenue	5,599	14,697	19,052	8,980	12,939	8,920	13,651	15,090	21,352	20,829	9,348	34,898	108,961	137,028
<b>Revenue - Total</b>	<b>646,302</b>	<b>675,089</b>	<b>676,887</b>	<b>700,789</b>	<b>715,559</b>	<b>696,813</b>	<b>715,049</b>	<b>678,311</b>	<b>611,492</b>	<b>690,612</b>	<b>712,106</b>	<b>764,956</b>	<b>7,586,642</b>	<b>5,584,897</b>
<b>Expenses - US\$</b>														
Fuel & Lubricants	324,799	341,204	333,944	329,402	357,813	351,703	324,559	289,207	267,204	312,148	318,439	338,876	3,738,941	2,559,949
Salaries, Wages & Benefits	71,648	97,994	96,620	82,808	90,443	86,883	86,183	114,829	97,726	102,212	97,018	98,743	1,087,840	774,038
Contractual Services	10,121	8,250	7,494	8,596	10,274	8,120	8,934	5,039	4,723	5,762	4,996	5,316	105,293	53,163
O&M - Power Generation	20,235	11,026	21,919	11,968	2,592	2,796	9,175	44,696	32,945	5,747	10,542	21,962	205,681	130,456
O&M - Power Distribution	9,940	15,741	10,603	18,625	8,235	7,355	17,556	4,237	3,130	12,231	12,053	10,265	140,422	75,060
O&M - Water	3,515	12,388	6,097	8,152	2,591	4,668	787	3,616	220	5,726	5,154	3,710	59,845	26,472
O&M - Sewer	0	120	0	0	71	0	1,650	795	62	262	0	421	3,602	3,260
Finance & Administration Overheads	58,144	52,455	39,815	34,970	56,170	44,688	69,378	62,013	38,878	39,494	52,298	77,357	619,662	440,277
Vehicle & Eq. Fuel	10,511	24,804	17,424	13,600	12,698	8,928	11,732	14,678	10,798	9,244	23,045	13,952	180,871	105,076
CPUC Power Usage (incl. in O&M from Oct 15)	15,005	13,736	14,233	13,266	15,329	14,016	12,583	12,511	9,879	12,206	13,066	10,970	157,143	100,559
Training	653	0	5,340	0	0	0	0	0	0	0	0	0	9,601	0
<b>Expense - Total</b>	<b>524,571</b>	<b>577,718</b>	<b>553,489</b>	<b>521,388</b>	<b>556,217</b>	<b>529,156</b>	<b>542,538</b>	<b>551,620</b>	<b>465,565</b>	<b>505,033</b>	<b>536,611</b>	<b>581,571</b>	<b>6,308,899</b>	<b>4,268,310</b>
<b>Operating Income/(Loss)</b>	<b>121,731</b>	<b>97,371</b>	<b>123,398</b>	<b>179,401</b>	<b>159,343</b>	<b>167,657</b>	<b>172,511</b>	<b>126,691</b>	<b>145,927</b>	<b>185,579</b>	<b>175,494</b>	<b>183,384</b>	<b>1,277,743</b>	<b>1,316,587</b>
<b>Non-Cash Expenses - US\$</b>														
Depreciation	122,291	122,291	122,291	122,291	118,520	118,520	118,520	118,520	118,520	118,520	118,520	118,520	1,467,491	948,159
Interest Expense	5,667	5,667	5,667	5,667	5,189	5,189	5,188	5,188	5,188	5,188	5,188	5,188	68,004	41,506
<b>Non-Cash Expense - Total - US\$</b>	<b>127,958</b>	<b>127,958</b>	<b>127,958</b>	<b>127,958</b>	<b>123,709</b>	<b>123,709</b>	<b>123,708</b>	<b>123,708</b>	<b>123,708</b>	<b>123,708</b>	<b>123,708</b>	<b>123,708</b>	<b>1,535,495</b>	<b>989,665</b>
<b>Income/(Loss) - excluding grant support - US\$</b>	<b>-6,227</b>	<b>-30,587</b>	<b>-4,560</b>	<b>51,443</b>	<b>35,634</b>	<b>43,949</b>	<b>48,803</b>	<b>2,983</b>	<b>22,219</b>	<b>61,871</b>	<b>51,786</b>	<b>59,676</b>	<b>-257,752</b>	<b>326,922</b>
<b>Non-operating Income (Grant Support) - US\$</b>	<b>89</b>	<b>300,139</b>	<b>61</b>	<b>64</b>	<b>0</b>	<b>23</b>	<b>31</b>	<b>28</b>	<b>-1,417</b>	<b>0</b>	<b>26,571</b>	<b>-27,657</b>	<b>416,122</b>	<b>-2,421</b>
<b>Income/(Loss) - including grant support - US\$</b>	<b>-6,138</b>	<b>269,552</b>	<b>-4,498</b>	<b>51,507</b>	<b>35,633</b>	<b>43,972</b>	<b>48,834</b>	<b>3,010</b>	<b>20,803</b>	<b>61,872</b>	<b>78,357</b>	<b>32,019</b>	<b>158,370</b>	<b>324,500</b>

## Financial Table 2 Cash Flow and A/R Report – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019
<b>Cash Flow Report - US\$</b>														
Receipts	511,773	900,095	578,614	613,681	568,122	567,676	609,554	495,964	502,977	560,338	571,094	752,602	6,998,463	4,628,327
Disbursements	692,907	974,693	497,138	490,106	400,353	598,191	522,456	685,740	482,306	815,182	469,484	520,832	7,206,976	4,494,544
Net receipts/Disbursements	-181,134	-74,598	81,476	123,575	167,769	-30,515	87,098	-189,776	20,671	-254,844	101,610	231,770	-208,513	133,783
Cash balance (beginning)	1,130,134	949,000	923,458	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,163,085	1,183,756	928,912	1,030,522	1,287,966	1,128,509
Cash balance (end)	949,000	874,402	1,004,934	1,128,509	1,296,278	1,265,763	1,352,861	1,163,085	1,183,756	928,912	1,030,522	1,262,292	1,096,437	1,262,292
<b>Other Financial Data - US\$</b>														
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)	947,306	921,765	1,003,240	1,126,815	1,294,584	1,264,069	1,351,167	1,161,391	1,182,062	927,218	1,028,828	1,260,598	1,126,815	1,260,598
Stocks	1,189,033	1,197,970	1,237,812	1,150,298	1,174,400	1,304,315	1,336,202	1,365,090	1,166,243	1,044,682	1,095,392	1,085,816	1,150,298	1,085,816
Trade Receivable	543,269	524,461	501,070	557,173	540,583	604,738	582,092	638,014	674,256	665,151	751,264	661,176	557,173	661,176
Prepaid Lease	300,988	298,956	296,925	294,893	292,861	290,830	288,798	286,766	284,735	282,703	280,671	278,640	294,893	278,640
Collateral with Vital Inc.	598,096	610,469	622,843	634,300	647,590	649,881	649,881	649,881	649,881	649,881	649,881	649,881	634,300	649,881
Current Payables (Fuel, Taxes, Payable to Fed Gov't, etc.)	850,353	748,381	829,741	828,618	937,409	977,121	905,956	939,856	915,763	948,973	1,005,347	985,819	828,618	985,819
Loans Payable	4,255,029	4,106,082	4,101,983	4,097,884	4,093,785	4,089,687	4,085,588	3,933,976	3,936,453	3,936,453	3,927,640	3,927,640	4,097,884	3,927,640
<b>Total Accounts Receivable (to date) - US\$</b>														
Government Power	282,790	299,318	297,133	321,533	338,492	391,246	382,595	385,375	393,099	356,369	408,056	366,946	321,533	366,946
Commercial Power	59,523	40,873	12,240	35,477	-13,692	-10,461	-39,122	0	86,794	105,986	108,470	79,490	35,477	79,490
Residential Power	142,930	142,003	142,954	147,884	149,639	155,574	159,235	161,590	131,111	133,425	137,780	140,179	147,884	140,179
Water	130,542	103,493	97,643	89,343	91,005	79,986	77,789	77,608	160,233	151,706	163,463	150,682	89,343	150,682
Sewer	203,048	214,338	226,663	238,500	250,703	263,958	277,158	289,004	178,583	193,229	209,061	199,443	238,500	199,443
Allowance for Doubtful	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564	-275,564
<b>Total</b>	<b>543,269</b>	<b>524,461</b>	<b>501,070</b>	<b>557,173</b>	<b>540,583</b>	<b>604,738</b>	<b>582,092</b>	<b>638,014</b>	<b>674,256</b>	<b>665,151</b>	<b>751,264</b>	<b>661,176</b>	<b>557,173</b>	<b>661,176</b>



## Financial Table 4 Water Sales Report – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Mar 20	May 19	FY2018	FY2019
<b>Water/Sewer Sales Report</b>														
<b>Water Sales US\$</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Government	6,073	4,539	5,030	4,970	5,708	4,836	6,313	4,945	6,628	5,740	10,312	8,252	64,292	52,733
Commercial	7,748	9,437	9,911	10,118	9,379	10,650	11,402	6,239	8,195	12,287	10,538	11,067	107,226	79,759
Residential	8,102	8,380	9,542	8,745	9,409	7,761	10,902	7,050	3,634	10,933	10,022	8,799	105,891	68,510
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	-3,693	0
<b>Total</b>	<b>21,923</b>	<b>22,356</b>	<b>24,483</b>	<b>23,833</b>	<b>24,496</b>	<b>23,247</b>	<b>28,617</b>	<b>18,234</b>	<b>18,457</b>	<b>28,961</b>	<b>30,872</b>	<b>28,118</b>	<b>273,716</b>	<b>201,002</b>
<b>Sewer Sales - US\$</b>														
Government	2,937	2,057	2,405	2,380	2,739	2,295	3,015	2,341	3,193	2,621	4,903	3,888	30,340	24,995
Commercial	2,994	3,103	3,442	3,051	6,753	8,223	7,211	6,981	7,093	9,172	8,109	8,109	45,250	61,652
Commercial with No Water	3,685	3,685	3,705	3,705	0	0	0	0	0	0	0	0	44,261	0
Residential	494	725	733	620	2,712	2,756	2,975	2,523	2,340	2,853	2,820	2,638	7,167	21,617
Residential with No Water	1,660	1,720	2,080	2,080	0	0	0	0	0	0	0	0	21,372	0
Provision for Billing Errors	0	0	0	0	0	0	0	0	0	0	0	0	-3,057	0
<b>Sewer Sales</b>	<b>11,771</b>	<b>11,289</b>	<b>12,366</b>	<b>11,836</b>	<b>12,204</b>	<b>13,274</b>	<b>13,201</b>	<b>11,845</b>	<b>12,625</b>	<b>14,646</b>	<b>15,832</b>	<b>14,636</b>	<b>145,333</b>	<b>108,264</b>
<b>Total Water &amp; Sewer Sales</b>	<b>33,693</b>	<b>33,645</b>	<b>36,849</b>	<b>35,669</b>	<b>36,700</b>	<b>36,522</b>	<b>41,818</b>	<b>30,079</b>	<b>31,082</b>	<b>43,607</b>	<b>46,703</b>	<b>42,754</b>	<b>419,049</b>	<b>309,266</b>
<b>Water Sales - Gallons</b>														
Government	1,235,380	929,270	1,027,400	1,020,140	1,163,478	989,349	1,289,270	1,017,996	1,581,229	1,171,324	2,082,353	1,676,591	13,253,730	10,971,590
Commercial	1,600,245	1,987,310	2,059,220	2,059,130	1,959,674	2,220,194	2,354,520	1,741,160	1,475,740	2,527,990	2,172,440	2,290,800	22,148,259	16,742,518
Residential	3,059,913	3,466,640	3,533,960	3,275,420	3,533,710	3,227,530	4,021,600	2,627,420	2,720,160	4,090,082	3,757,416	3,337,700	39,930,226	27,315,618
Water Delivery & Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	49,325	0
<b>Total</b>	<b>5,895,538</b>	<b>6,383,220</b>	<b>6,620,580</b>	<b>6,354,690</b>	<b>6,656,862</b>	<b>6,437,073</b>	<b>7,665,390</b>	<b>5,386,576</b>	<b>5,777,129</b>	<b>7,789,396</b>	<b>8,012,209</b>	<b>7,305,091</b>	<b>75,381,540</b>	<b>55,029,726</b>

## Financial Table 5 Key Performance Indicators – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019
<b>1a. Non Revenue Power</b>	<b>12.9%</b>	<b>15.2%</b>	<b>13.9%</b>	<b>12.5%</b>	<b>16.2%</b>	<b>15.5%</b>	<b>15.3%</b>	<b>12.7%</b>	<b>14.6%</b>	<b>13.8%</b>	<b>11.9%</b>	<b>14.0%</b>	<b>15.6%</b>	<b>14.2%</b>
Total Power Generated - kWh	1,423,809	1,499,092	1,467,018	1,451,201	1,519,270	1,447,320	1,451,890	1,419,536	1,290,507	1,426,566	1,442,047	1,529,633	17,441,330	11,526,769
Total Power Billed - kWh	1,240,541	1,271,643	1,262,866	1,270,474	1,273,621	1,223,256	1,230,086	1,239,672	1,101,831	1,230,373	1,271,036	1,314,788	14,723,346	9,884,664
Generation Loss (actual from Jun 17)	20,589	28,184	21,414	9,591	17,939	15,980	16,435	16,527	17,019	19,359	19,579	18,937	212,248	141,775
Distribution Loss Derived - kWh	127,084	161,788	146,062	134,856	189,728	171,901	169,072	127,849	139,394	141,170	115,381	157,668	2,069,703	1,212,161
Commercial Loss (assumed 2.5%) - kWh	35,595	37,477	36,675	36,280	37,982	36,183	36,297	35,488	32,263	35,664	36,051	38,241	436,033	288,169
Total Loss - kWh	183,268	227,449	204,152	180,727	245,648	224,064	221,804	179,864	188,675	196,193	171,011	214,846	2,717,984	1,642,105
Distribution loss %	8.9%	10.8%	10.0%	9.3%	12.5%	11.9%	11.6%	9.0%	10.8%	9.9%	8.0%	10.3%	11.9%	10.5%
<b>1b. Non Revenue Water</b>	<b>75.3%</b>	<b>72.2%</b>	<b>71.3%</b>	<b>71.7%</b>	<b>71.5%</b>	<b>74.9%</b>	<b>68.1%</b>	<b>76.1%</b>	<b>64.9%</b>	<b>60.6%</b>	<b>58.0%</b>	<b>55.0%</b>	<b>71.4%</b>	<b>67.1%</b>
Water Produced (million gallons)	23.82	22.98	23.08	22.44	23.32	25.65	24.06	22.50	16.48	19.79	19.07	16.25	263.4	167
Water Billed (million gallons)	5.90	6.38	6.62	6.35	6.66	6.44	7.67	5.39	5.78	7.79	8.01	7.31	75	55
<b>2. Current ratio</b>	<b>3.86</b>	<b>4.35</b>	<b>4.06</b>	<b>4.19</b>	<b>3.90</b>	<b>3.91</b>	<b>4.33</b>	<b>4.06</b>	<b>4.01</b>	<b>3.47</b>	<b>3.51</b>	<b>3.71</b>	<b>4.06</b>	<b>3.90</b>
	3.63	4.12	3.86	3.98	3.69	3.70	4.13	3.86	3.77	3.22	3.24	3.46	3.84	3.69
	9.70	8.44	7.57	7.37	8.69	7.89	7.72	6.64	12.31	9.69	10.56	11.28	8.46	8.69
	6.40	8.11	6.82	8.15	7.90	9.40	8.25	8.42	6.85	6.73	8.14	7.89	7.46	7.90
<b>3. ROA (excludes other operating income/grant support)</b>	<b>-0.03%</b>	<b>-0.13%</b>	<b>-0.02%</b>	<b>0.22%</b>	<b>0.15%</b>	<b>0.19%</b>	<b>0.21%</b>	<b>0.01%</b>	<b>0.09%</b>	<b>0.26%</b>	<b>0.22%</b>	<b>0.25%</b>	<b>-0.01</b>	<b>0.00</b>
Power Business	0.33%	0.27%	0.36%	0.64%	0.52%	0.52%	0.55%	0.41%	0.34%	0.59%	0.56%	0.61%	0.03	0.01
Water Business	-1.96%	-2.59%	-2.08%	-1.95%	-1.18%	-1.10%	-0.85%	-2.07%	-0.30%	-0.75%	-0.98%	-0.88%	-0.25	-0.01
Sewer Business	-1.03%	-1.14%	-1.07%	-0.96%	-1.01%	-0.86%	-0.98%	-1.09%	-0.90%	-0.91%	-0.96%	-1.05%	-0.13	-0.01
<b>4. Operating ratio</b>	<b>0.81</b>	<b>0.86</b>	<b>0.82</b>	<b>0.74</b>	<b>0.78</b>	<b>0.76</b>	<b>0.76</b>	<b>0.81</b>	<b>0.76</b>	<b>0.73</b>	<b>0.75</b>	<b>0.80</b>	<b>0.83</b>	<b>0.78</b>
Power Business	0.75	0.78	0.75	0.69	0.73	0.72	0.72	0.74	0.73	0.69	0.71	0.74	0.76	0.73
Water Business	1.40	1.66	1.44	1.38	1.11	1.06	0.95	1.63	0.75	0.93	1.01	1.37	1.46	1.11
Sewer Business	2.75	3.22	2.79	2.45	2.66	2.06	2.44	2.93	2.17	1.98	2.08	2.38	2.81	2.66
<b>5. Days in Accounts Receivable</b>	<b>25.44</b>	<b>24.62</b>	<b>22.85</b>	<b>24.16</b>	<b>23.08</b>	<b>26.37</b>	<b>24.90</b>	<b>28.86</b>	<b>34.28</b>	<b>29.79</b>	<b>32.07</b>	<b>27.17</b>	<b>22.45</b>	<b>23.08</b>
Power Business	15.91	15.64	14.57	15.96	14.63	17.54	16.04	18.70	24.05	20.86	22.62	18.07	13.85	14.63
Water Business	118.52	91.04	77.19	75.25	73.82	70.91	55.35	89.17	184.88	111.12	116.22	113.47	77.10	73.82
Sewer Business	343.35	373.40	354.78	404.47	408.19	409.81	427.49	511.16	301.23	279.85	289.84	288.55	337.09	408.19

**Power Table 1 Power Operation Indicators – June 2018 to May 2019**

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019 YTD
<b>Generation Statistics</b>														
Diesel Generation - kWh	1,397,637	1,471,791	1,447,204	1,415,898	1,496,930	1,421,593	1,428,107	1,392,221	1,263,683	1,400,164	1,414,321	1,501,140	17,122,425	11,318,159
Peak Generation - kW	2,825	2,767	2,808	2,851	2,906	2,943	2,829	2,622	2,644	2,752	2,936	2,882	2,941	2,936
Fuel Consumption - Gallons	93,863	98,754	97,296	95,293	100,623	95,533	96,308	93,404	86,913	95,213	97,160	101,610	1,143,186	766,764
Average Fuel Price (\$/Gallon)	3.53	3.53	3.50	3.52	3.62	3.63	3.37	3.03	3.00	3.13	3.17	3.27	3.33	26.22
Load Factor (%)	67%	71%	69%	68%	69%	65%	68%	72%	67%	69%	65%	70%	67%	67%
Capacity Factor (%)	50%	49%	50%	51%	52%	53%	51%	47%	47%	49%	52%	51%	40%	40%
Availability Factor (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	600%	100%	100%
Reserve Plant Margin (%)	176%	182%	178%	174%	168%	165%	176%	197%	195%	183%	166%	171%	165%	168%
Solar PV Generation - kWh	26,172	27,301	19,814	35,303	22,340	25,727	23,783	27,315	26,824	26,402	27,726	28,493	318,905	208,610
Solar Generation %	1.8%	1.8%	1.4%	2.4%	1.5%	1.8%	1.6%	1.9%	2.1%	1.9%	1.9%	1.9%	1.8%	1.8%
Peak PV Generation -kW	204	213	155	276	175	201	186	213	210	206	217	223	153	1,502
Avoided Fuel - Gallons	1,758	1,832	1,332	2,376	1,502	1,729	1,604	1,833	1,845	1,795	1,905	1,929	21,293	14,133
Avoided Cost of Fuel - US\$	6,205	6,466	4,662	8,373	5,439	6,279	5,405	5,543	5,535	5,612	6,044	6,306	70,922	46,400
Tons of CO2 avoided	17.8	18.5	13.5	24.0	15.2	17.5	16.2	18.5	18.6	18.1	19.2	19.5	215.1	142.7
Labour Productivity (kWh/Emp/d)	1,560	1,643	1,615	1,580	1,671	1,587	1,594	1,554	1,410	1,563	1,578	1,675	1,466	1,456
<b>SFOC (kWh/gal)</b>	<b>14.89</b>	<b>14.90</b>	<b>14.87</b>	<b>14.86</b>	<b>14.88</b>	<b>14.88</b>	<b>14.83</b>	<b>14.91</b>	<b>14.54</b>	<b>14.71</b>	<b>14.56</b>	<b>14.77</b>	<b>14.98</b>	<b>14.76</b>
DG1 - GE 1.8	15.39	15.38	14.87	15.11	15.00	15.00	14.93	15.04	15.12	15.31	15.20	15.24	15.36	15.10
DG2 - GE 1.8	0.00	15.09	14.96	15.20	15.15	14.98	14.85	15.29	15.37	15.19	15.21	15.30	15.01	15.16
DG3 - CAT 1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	10.12	8.42	0.00	10.50
DG4 - CAT 1.3	14.23	14.26	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.24	12.45
DG5 - CAT 1.3	14.42	13.09	13.90	13.02	13.83	13.72	12.93	13.51	13.05	13.88	13.88	14.33	14.09	13.77
<b>SLOC (kWh/gal)</b>	<b>6,353</b>	<b>3,803</b>	<b>2,548</b>	<b>2,216</b>	<b>5,780</b>	<b>1,932</b>	<b>4,698</b>	<b>5,396</b>	<b>2,344</b>	<b>2,174</b>	<b>1,811</b>	<b>5,342</b>	<b>3,747</b>	<b>2,977</b>
DG1 - GE 1.8	6,954	4,471	1,326	2,856	4,249	1,461	4,304	3,105	4,448	1,242	2,986	3,257	3,655	2,561
DG2 - GE 1.8	0	0	0	0	5,987	2,091	4,855	6,150	1,670	4,854	0	0	3,211	3,156
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	1,183
DG4 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	42
DG5 - CAT 1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	1,283
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outage Factor (%)	0.0%	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%
<b>Distribution</b>														
Customers/Employee	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Transformer Utilisation (%)	26.6%	26.0%	26.4%	26.8%	27.4%	27.7%	26.6%	24.7%	24.9%	25.9%	27.6%	27.1%	27.7%	27.4%
Distribution Losses (%)	4.4%	6.7%	5.4%	4.0%	7.7%	7.0%	6.8%	4.2%	6.1%	5.3%	3.4%	5.5%	85.0%	45.9%
SAIDI (hours/consumer)	0.10	0.04	0.01	0.22	0.07	0.09	0.00	0.04	0.00	0.00	0.01	0.06	2.94	0.27
SAIFI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.024	0.013
Average Cost (\$/kWh)	0.23	0.23	0.23	0.23	0.24	0.24	0.22	0.20	0.20	0.21	0.21	0.22	0.22	0.22

## Power Table 2 Power Generation Statistics – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019 YTD
<b>Generation - Engine Output (kWh)</b>														
DG1 - GE 1.8	764,918	769,020	613,939	456,999	599,140	526,088	667,180	388,078	453,676	523,052	591,227	462,521	8,772,077	4,210,962
DG2 - GE 1.8	0	447,921	776,739	781,727	706,479	786,323	723,362	781,079	571,171	621,248	566,575	807,131	4,466,850	5,563,368
DG3 - CAT 1.6	0	0	663	0	3,050	0	0	0	116,914	112,399	94,643	48,041	663	375,047
DG4 - CAT 1.3	294,660	64,518	483	0	0	0	0	249	0	0	0	0	1,632,075	249
DG5 - CAT 1.3	338,059	190,332	55,380	177,172	188,261	109,182	37,565	222,815	121,922	143,465	161,876	183,447	2,250,760	1,168,533
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diesel Generation Total (kWh)</b>	<b>1,397,637</b>	<b>1,471,791</b>	<b>1,447,204</b>	<b>1,415,898</b>	<b>1,496,930</b>	<b>1,421,593</b>	<b>1,428,107</b>	<b>1,392,221</b>	<b>1,263,683</b>	<b>1,400,164</b>	<b>1,414,321</b>	<b>1,501,140</b>	<b>17,122,425</b>	<b>11,318,159</b>
Airport Solar Panel	5,322	4,761	4,605	5,975	6,816	6,629	6,749	6,087	6,823	5,033	5,875	6,543	69,699	50,555
High School Solar Grid Connect	20,850	22,540	15,209	29,328	15,524	19,098	17,034	21,228	20,001	21,369	21,851	21,950	249,206	158,055
<b>Solar PV Generation Total (kWh)</b>	<b>26,172</b>	<b>27,301</b>	<b>19,814</b>	<b>35,303</b>	<b>22,340</b>	<b>25,727</b>	<b>23,783</b>	<b>27,315</b>	<b>26,824</b>	<b>26,402</b>	<b>27,726</b>	<b>28,493</b>	<b>318,905</b>	<b>208,610</b>
<b>Total Generation (kWh)</b>	<b>1,423,809</b>	<b>1,499,092</b>	<b>1,467,018</b>	<b>1,451,201</b>	<b>1,519,270</b>	<b>1,447,320</b>	<b>1,451,890</b>	<b>1,419,536</b>	<b>1,290,507</b>	<b>1,426,566</b>	<b>1,442,047</b>	<b>1,529,633</b>	<b>17,441,330</b>	<b>11,526,769</b>
<b>Maximum Demand (kW)</b>	<b>2,825</b>	<b>2,767</b>	<b>2,808</b>	<b>2,851</b>	<b>2,906</b>	<b>2,943</b>	<b>2,829</b>	<b>2,622</b>	<b>2,644</b>	<b>2,752</b>	<b>2,936</b>	<b>2,882</b>	<b>2,941</b>	<b>2,943</b>
<b>Engine Rating kW (at 0.8 PF)</b>														
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
<b>Station Services (kWh)</b>	<b>16,749</b>	<b>23,240</b>	<b>16,422</b>	<b>5,009</b>	<b>12,142</b>	<b>10,845</b>	<b>10,472</b>	<b>12,039</b>	<b>12,305</b>	<b>13,735</b>	<b>13,955</b>	<b>12,906</b>	<b>153,619</b>	<b>98,399</b>
<b>Running Hours</b>														
DG1 - GE 1.8	639	711	611	482	545	499	652	391	417	563	408	415	7,588	3,890
DG2 - GE 1.8	0	432	711	705	622	705	680	654	476	512	489	701	4,073	4,839
DG3 - CAT 1.6	0	0	2	0	7	0	0	0	188	179	263	44	2	681
DG4 - CAT 1.3	385	115	3	0	0	0	0	0	0	0	0	0	2,064	0
DG5 - CAT 1.3	437	269	87	302	253	182	56	330	190	229	257	302	2,960	1,799
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Hours</b>	<b>1,461</b>	<b>1,527</b>	<b>1,414</b>	<b>1,489</b>	<b>1,427</b>	<b>1,386</b>	<b>1,388</b>	<b>1,375</b>	<b>1,271</b>	<b>1,483</b>	<b>1,417</b>	<b>1,462</b>	<b>16,687</b>	<b>11,209</b>

### Power Table 3 Fuel & Lube Oil Statistics – June 2018 to May 2019

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019 YTD
<b>Fuel Consumption (Gallons)</b>														
DG1 - GE 1.8	49,717	50,005	41,289	30,252	39,939	35,076	44,685	25,803	30,014	34,166	38,892	30,358	571,208	278,934
DG2 - GE 1.8	0	29,682	51,936	51,437	46,617	52,498	48,718	51,088	37,158	40,895	37,254	52,747	297,646	366,975
DG3 - CAT 1.6	0	0	51	0	450	0	0	0	10,400	9,813	9,352	5,705	51	35,720
DG4 - CAT 1.3	20,709	4,525	35	0	0	0	0	20	0	0	0	0	114,582	20
DG5 - CAT 1.3	23,437	14,542	3,985	13,604	13,616	7,960	2,905	16,493	9,341	10,339	11,661	12,800	159,700	85,115
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Fuel Consumption (Gals)</b>	<b>93,863</b>	<b>98,754</b>	<b>97,296</b>	<b>95,293</b>	<b>100,623</b>	<b>95,533</b>	<b>96,308</b>	<b>93,404</b>	<b>86,913</b>	<b>95,213</b>	<b>97,160</b>	<b>101,610</b>	#####	766,764
<b>Average Fuel Price (\$/Gallon)</b>	<b>3.53</b>	<b>3.53</b>	<b>3.50</b>	<b>3.52</b>	<b>3.62</b>	<b>3.63</b>	<b>3.37</b>	<b>3.03</b>	<b>3.00</b>	<b>3.13</b>	<b>3.17</b>	<b>3.27</b>	<b>3.33</b>	<b>3.28</b>
<b>Lube Oil Consumption (Gallons)</b>														
DG1 - GE 1.8	110	172	198	0	0	265	0	0	0	265	0	0	1,258	530
DG2 - GE 1.8	0	25	105	265	0	265	0	0	265	0	265	0	823	795
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	95	95	0	0	190
DG4 - CAT 1.3	10	0	0	0	0	0	0	0	0	0	0	0	25	0
DG5 - CAT 1.3	5	0	0	95	0	0	0	0	95	0	95	0	109	190
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total LO Consumption (Gals)</b>	<b>125</b>	<b>197</b>	<b>303</b>	<b>360</b>	<b>0</b>	<b>530</b>	<b>0</b>	<b>0</b>	<b>360</b>	<b>360</b>	<b>455</b>	<b>0</b>	<b>2,215</b>	<b>1,705</b>
<b>Oil Change Log (75 Gal/Change)</b>														
DG1 - GE 1.8	0	0	265	160	141	95	155	125	102	156	198	142	1,142	1,114
DG2 - GE 1.8	0	0	0	119	118	111	149	127	77	128	128	130	568	968
DG3 - CAT 1.6	0	0	0	0	0	0	0	0	0	0	0	9	0	9
DG4 - CAT 1.3	0	95	0	0	0	0	0	6	0	0	0	0	190	6
DG5 - CAT 1.3	95	95	0	0	0	0	0	0	0	0	0	0	455	0
CAT #3 - Retired May 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>total Oil Change Volume (Gals)</b>	<b>95</b>	<b>190</b>	<b>265</b>	<b>279</b>	<b>259</b>	<b>206</b>	<b>304</b>	<b>258</b>	<b>179</b>	<b>284</b>	<b>326</b>	<b>281</b>	<b>2,355</b>	<b>2,097</b>



**Power Table 4 Distribution Feeder Statistics - June 2018 to May 2019**

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	2018 YTD	2019 YTD
Feeder 1 Load	388,111	397,981	388,731	387,602	393,189	378,169	368,423	363,908	332,213	362,910	370,578	392,382	4,606,622	2,961,772
Feeder 2 Load	112,270	117,490	115,156	122,494	128,796	123,570	125,549	119,343	108,647	120,877	121,341	131,055	1,455,155	979,178
Feeder 3 Load	412,284	439,104	430,116	422,751	454,583	435,762	439,710	425,879	378,375	369,016	371,308	451,818	5,114,975	3,326,451
Feeder 4 Load	341,765	357,225	348,312	345,868	363,327	332,911	343,791	333,549	298,559	332,632	333,833	362,263	4,464,146	2,700,865
Feeder 5 Load	148,790	159,108	163,289	162,895	161,436	160,928	157,982	160,330	155,694	221,772	225,408	173,178	1,588,184	1,416,728
<b>Total Feeder Load (kWh)</b>	<b>1,403,220</b>	<b>1,470,908</b>	<b>1,445,604</b>	<b>1,441,610</b>	<b>1,501,331</b>	<b>1,431,340</b>	<b>1,435,455</b>	<b>1,403,009</b>	<b>1,273,488</b>	<b>1,407,207</b>	<b>1,422,468</b>	<b>1,510,696</b>	<b>17,229,082</b>	<b>11,384,994</b>
													0	0
Feeder 1 Sales	335,551	342,521	327,785	320,046	346,801	316,668	343,035	310,536	286,347	309,811	329,490	339,789	3,961,355	2,582,477
Feeder 2 Sales	89,614	88,833	97,025	103,912	95,219	103,615	109,677	92,743	90,199	108,059	102,802	103,369	1,170,347	805,683
Feeder 3 Sales	368,224	358,796	347,271	381,846	371,324	362,552	341,229	377,205	333,026	349,196	371,166	383,050	4,399,688	2,888,748
Feeder 4 Sales	306,649	325,758	336,350	316,697	322,152	300,896	299,126	309,193	276,496	301,636	312,730	333,010	3,766,831	2,455,239
Feeder 5 Sales	124,197	127,795	135,897	142,532	129,824	138,109	120,489	141,257	117,478	126,995	139,094	138,207	1,260,670	1,051,453
<b>Total Feeder Sales (kWh)</b>	<b>1,224,236</b>	<b>1,243,703</b>	<b>1,244,328</b>	<b>1,265,033</b>	<b>1,265,320</b>	<b>1,221,840</b>	<b>1,213,555</b>	<b>1,230,934</b>	<b>1,103,546</b>	<b>1,195,698</b>	<b>1,255,282</b>	<b>1,297,424</b>	<b>14,558,891</b>	<b>9,783,600</b>
Feeder 1 Loss - kWh	52,560	55,460	60,946	67,556	46,388	61,501	25,388	53,372	45,866	53,099	41,088	52,593	645,267	379,295
Feeder 2 Loss - kWh	22,656	28,657	18,131	18,582	33,577	19,955	15,872	26,600	18,448	12,818	18,539	27,686	284,808	173,495
Feeder 3 Loss - kWh	44,060	80,308	82,845	40,905	83,259	73,210	98,481	48,674	45,349	19,820	142	68,768	715,287	437,703
Feeder 4 Loss - kWh	35,116	31,467	11,962	29,171	41,174	32,015	44,665	24,356	22,063	30,995	21,103	29,254	697,315	245,626
Feeder 5 Loss - kWh	24,593	31,313	27,392	20,363	31,612	22,819	37,493	19,073	38,216	94,777	86,314	34,971	327,514	365,275
<b>Total Feeder Loss - kWh</b>	<b>178,984</b>	<b>227,205</b>	<b>201,276</b>	<b>176,577</b>	<b>236,010</b>	<b>209,500</b>	<b>221,900</b>	<b>172,075</b>	<b>169,941</b>	<b>211,508</b>	<b>167,186</b>	<b>213,272</b>	<b>2,670,191</b>	<b>1,601,394</b>
Feeder 1 Loss - %	13.5%	13.9%	15.7%	17.4%	11.8%	16.3%	6.9%	14.7%	13.8%	14.6%	11.1%	13.4%	14.0%	12.8%
Feeder 2 Loss - %	20.2%	24.4%	15.7%	15.2%	26.1%	16.1%	12.6%	22.3%	17.0%	10.6%	15.3%	21.1%	19.6%	17.7%
Feeder 3 Loss - %	10.7%	18.3%	19.3%	9.7%	18.3%	16.8%	22.4%	11.4%	12.0%	5.4%	0.0%	15.2%	14.0%	13.2%
Feeder 4 Loss - %	10.3%	8.8%	3.4%	8.4%	11.3%	9.6%	13.0%	7.3%	7.4%	9.3%	6.3%	8.1%	15.6%	9.1%
Feeder 5 Loss - %	16.5%	19.7%	16.8%	12.5%	19.6%	14.2%	23.7%	11.9%	24.5%	42.7%	38.3%	20.2%	20.6%	25.8%
<b>Total Feeder Loss - %</b>	<b>12.8%</b>	<b>15.4%</b>	<b>13.9%</b>	<b>12.2%</b>	<b>15.7%</b>	<b>14.6%</b>	<b>15.5%</b>	<b>12.3%</b>	<b>13.3%</b>	<b>15.0%</b>	<b>11.8%</b>	<b>14.1%</b>	<b>15.5%</b>	<b>14.1%</b>

**Power Table 5 Customer Energy Use By Category and By Feeder – May 2019**

Feeder	kWh/Connection		
	Residential kWh/Con	Commercial No. meters	Government kWh/Con
F01	282	1,341	6,960
F02	190	2,037	1,553
F03	258	2,303	1,148
F04	204	3,780	4,505
F05	172	3,021	2,247
<b>Total</b>	<b>221</b>	<b>2,496</b>	<b>3,282</b>

**Power Table 6 Power Distribution Statistics – June 2018 to May 2019**

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019 YTD
<b>Number of Outages (Frequency)</b>														
Forced - Generation	1	1	1	0	0	0	0	0	0	0	0	1	5	1
Planned - Generation	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>total Number of Outages (Gen)</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>3</b>
Forced - Distribution	5	5	5	1	4	2	0	1	0	0	0	5	29	12
Feeder 1	1	1	1	0	0	0	0	0	0	0	0	1	5	1
Feeder 2	1	1	1	0	0	0	0	1	0	0	0	1	6	2
Feeder 3	1	1	1	0	0	0	0	0	0	0	0	1	5	1
Feeder 4	1	1	1	1	1	1	0	0	0	0	0	1	6	3
Feeder 5	1	1	1	0	3	1	0	0	0	0	0	1	7	5
Planned - Distribution	1	0	0	1	0	0	0	0	0	0	10	0	10	10
Feeder 1	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Feeder 2	0	0	0	1	0	0	0	0	0	0	2	0	6	2
Feeder 3	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Feeder 4	1	0	0	0	0	0	0	0	0	0	2	0	2	2
Feeder 5	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>total Number of Outages (Dist)</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>5</b>	<b>39</b>	<b>22</b>

**Power Table 7 Power Outage Statistics – June 2018 to May 2019**

	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	FY2018	FY2019 YTD
<b>Duration of Outages (Hrs)</b>														
Forced - Generation	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
Planned - Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
<b>total Duration Gen Outage (Hrs)</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>
Forced - Distribution	0.5	1.0	0.3	1.1	2.0	2.5	0.0	1.1	0.0	0.0	0.0	1.6	40.3	7.1
Feeder 1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3
Feeder 2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.3	7.9	1.4
Feeder 3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.3
Feeder 4	0.1	0.2	0.1	1.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	1.6	0.7
Feeder 5	0.1	0.2	0.1	0.0	1.9	2.2	0.0	0.0	0.0	0.0	0.0	0.3	29.3	4.4
<b>Planned - Distribution</b>	<b>2.3</b>	<b>0.0</b>	<b>0.0</b>	<b>5.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>39.8</b>	<b>0.3</b>
Feeder 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	9.1	0.1
Feeder 2	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	27.4	0.1
Feeder 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Feeder 4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.3	0.1
Feeder 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
<b>total Duration Dist Outage (Hrs)</b>	<b>2.8</b>	<b>1.0</b>	<b>0.3</b>	<b>6.1</b>	<b>2.0</b>	<b>2.5</b>	<b>0.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>1.6</b>	<b>80.1</b>	<b>7.4</b>

## Water Table 1 Water Production & Sales Data Statistics – June 2018 to May 2019

COMPANY WIDE DATA	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	FY2019
<b>Water Production (Millions)</b>													
WTP Production	1,481,700	1,594,000	833,100	580,100	1,727,500	2,053,700	1,900,500	824,300	0	13,300	800	8,500	6,528,600
Pink Apartment Volume start of Month	558,600	404,700	450,300	518,700	518,700	581,400	582,000	582,000	582,000	582,000	582,000	582,000	4,592,100
Pink Apartment Volume end of Month	404,700	450,300	518,700	518,700	581,400	582,000	582,000	582,000	582,000	582,000	582,000	582,000	4,655,400
Pink Apartment Vol in to Supply/(Storage)	153,900	-45,600	-68,400	0	-62,700	-600	0	0	0	0	0	0	-63,300
Tankered volume for billing	26,500	12,000	12,000	12,000	0	0	0	0	0	113,300	113,400	0	226,700
Well Production (into supply)	21,912,700	21,439,900	22,322,700	21,873,000	21,656,400	23,599,000	22,162,684	21,498,700	16,480,600	19,887,600	19,183,200	16,238,900	160,707,084
Volume into network	<b>23,521,800</b>	<b>22,976,300</b>	<b>23,075,400</b>	<b>22,441,100</b>	<b>23,321,200</b>	<b>25,652,100</b>	<b>24,063,184</b>	<b>22,323,000</b>	<b>16,480,600</b>	<b>19,787,600</b>	<b>19,070,600</b>	<b>16,247,400</b>	<b>166,945,684</b>
<b>Water Volume Bill (Millions)</b>													
Commercial	1,458,732	1,508,790	1,702,780	1,651,810	1,667,764	2,141,584	1,759,840	1,535,470	1,619,430	2,538,480	2,025,220	2,081,700	15,369,489
Government (excludes hospital)	829,540	526,220	293,630	385,370	471,488	431,839	626,300	446,046	435,389	874,404	0	620,021	3,905,487
Government Hospital	589,600	513,100	715,600	650,600	679,500	598,200	643,300	546,400	896,100	242,900	1,197,200	917,200	5,720,800
Residential	3,017,666	3,835,110	3,898,610	3,696,910	3,838,110	2,986,070	4,364,060	2,846,350	2,531,840	4,100,542	3,932,696	3,565,580	28,165,248
Water Delivery and Bunkering	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Adjustment													0
<b>Total</b>	<b>5,895,538</b>	<b>6,383,220</b>	<b>6,610,620</b>	<b>6,384,690</b>	<b>6,656,862</b>	<b>6,157,693</b>	<b>7,393,500</b>	<b>5,374,266</b>	<b>5,482,759</b>	<b>7,756,326</b>	<b>7,155,116</b>	<b>7,184,501</b>	<b>53,161,024</b>
<b>NRW</b>													
Volume	17,626,262	16,593,080	16,464,780	16,056,410	16,664,338	19,494,407	16,669,684	16,948,734	10,997,841	12,031,274	11,915,484	9,062,899	113,784,660
Percentage	74.9%	72.2%	71.4%	71.5%	71.5%	76.0%	69.3%	75.9%	66.7%	60.8%	62.5%	55.8%	68.2%
<b>Invoiced Water Value (\$USD)</b>													
Water Delivery and Bunkering													0
Commercial	\$7,748	\$9,578	\$9,958	\$10,159	\$9,438	\$10,685	\$11,474	\$8,378	\$8,223	\$12,287	\$10,538	\$11,088	82,112
Government (includes hospital)	\$6,073	\$4,539	\$4,419	\$4,452	\$5,708	\$4,836	\$6,314	\$4,945	\$6,628	\$5,740	\$10,312	\$8,252	52,734
Residential	\$8,294	\$9,281	\$9,538	\$8,745	\$9,409	\$8,480	\$11,186	\$7,051	\$7,096	\$10,963	\$10,022	\$8,799	\$73,003
<b>Total</b>	<b>\$22,115</b>	<b>\$23,398</b>	<b>\$23,915</b>	<b>\$23,356</b>	<b>\$24,554</b>	<b>\$24,000</b>	<b>\$28,974</b>	<b>\$20,374</b>	<b>\$21,947</b>	<b>\$28,990</b>	<b>\$30,871</b>	<b>\$28,139</b>	<b>\$207,849</b>
<b>Sewer Charge (\$USD)</b>													
Commercial	\$2,994	\$3,204	\$3,442	\$3,342	\$3,068	\$4,538	\$3,526	\$3,296	\$3,407	\$5,719	\$4,629	\$4,900	\$33,083
Commercial - w/o water	\$3,685	\$3,685	\$3,705	\$3,705	\$3,685	\$3,685	\$3,685	\$3,685	\$2,652	\$2,447	\$2,447	\$2,447	\$24,733
Government	\$2,937	\$2,057	\$2,405	\$2,380	\$2,739	\$2,295	\$3,015	\$2,341	\$3,193	\$2,621	\$4,903	\$3,888	\$24,995
Residential	\$588	\$740	\$733	\$630	\$642	\$693	\$1,005	\$533	\$532	\$917	\$864	\$698	\$5,884
Residential w/o water	\$1,660	\$1,720	\$2,089	\$2,076	\$2,070	\$2,060	\$1,990	\$1,990	\$2,040	\$2,064	\$2,036	\$1,940	\$16,190
<b>Total</b>	<b>\$11,864</b>	<b>\$11,405</b>	<b>\$12,375</b>	<b>\$12,133</b>	<b>\$12,204</b>	<b>\$13,271</b>	<b>\$13,221</b>	<b>\$11,845</b>	<b>\$11,823</b>	<b>\$13,769</b>	<b>\$14,878</b>	<b>\$13,873</b>	<b>\$104,884</b>

## Water Table 2 Water/Sewer Connection Data – June 2018 to May 2019

COMPANY WIDE DATA	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	FY2019
<b>Water Connection Data (No. of Connections)</b>			<b>470</b>	<b>473</b>	<b>481</b>	<b>481</b>	<b>478</b>	<b>479</b>	<b>479</b>	<b>444</b>	<b>447</b>	<b>468</b>	<b>468</b>
Commercial - Billed	82	79	78	79	76	77	76	76	77	72	73	78	78
Commercial - Disconnected	1	4	5	5	8	8	8	8	0	0	0	0	0
Commercial - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Avge Consumption - Gall/conn/mth	17,789	19,099	21,831	20,909	21,944	27,813	23,156	20,204	21,032	35,257	27,743	26,688	197,045
Government - Billed	15	14	16	15	18	18	14	18	16	18	19	19	19
Government - Disconnected	7	7	8	8	7	7	7	7	1	1	1	1	1
Government - Meter Pulled	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Avge Consumption - Gall/conn/mth	55,303	37,587	18,352	25,691	26,194	23,991	44,736	24,780	27,212	48,578	0	32,633	205,552
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	589,600	513,100	715,600	650,600	679,500	598,200	643,300	546,400	896,100	242,900	1,197,200	917,200	5,720,800
Residential - Billed	394	367	375	378	386	385	387	384	385	353	354	370	370
Residential - Disconnected	92	99	96	96	104	104	104	104	5	4	4	3	3
Residential - Meter Pulled	93	93	93	93	93	93	93	93	4	2	2	2	2
Residential Avge Consumption - Gall/conn/mth	7,659	10,450	10,396	9,780	9,943	7,756	11,277	7,412	6,576	11,616	11,109	9,637	76,122
<b>Sewer Connection Data (No. of Connections)</b>	<b>452</b>	<b>476</b>	<b>505</b>	<b>490</b>	<b>505</b>	<b>508</b>	<b>483</b>	<b>518</b>	<b>501</b>	<b>480</b>	<b>462</b>	<b>491</b>	<b>491</b>
Commercial Billed	41	45	43	40	42	47	39	44	42	40	42	47	47
Commercial Billed w/o water	54	54	54	54	54	54	54	54	54	43	41	43	43
Government Billed	15	13	15	14	17	16	13	17	15	17	18	19	19
Residential Billed	180	189	190	181	193	189	180	206	194	182	181	189	189
Residential Billed w/o water	162	175	203	201	199	202	197	197	196	198	180	193	193
<b>STP Inflow (MG/month)</b>	<b>24.9</b>	<b>16.3</b>	<b>13.0</b>	<b>22.1</b>	<b>24.8</b>	<b>14.4</b>	<b>12.1</b>	<b>13.0</b>	<b>12.0</b>	<b>12.5</b>	<b>13.0</b>	<b>12.5</b>	<b>114</b>
<b>SEWER OVERFLOW W/O'S</b>													
North Zone	3	4	2	1	1	2	1	1	1	1	2	1	10
South Zone	1	1	1	1	1	1	1	1	2	1	1	1	9

**Water Table 3 Zonal Water Use Statistics – FY2019**

ZONAL NRW - May 2019					ZONAL NRW - FY2019 YTD				
Zone	Production	Sales	NRW		Zone	Production	Sales	NRW	
	Gallons	Gallons	Gallons	%		Gallons	Gallons	Gallons	%
1	96,000	69,042	26,958	28%	1	4,979,500	508,485	4,471,015	90%
2	11,969,100	5,003,080	6,966,020	58%	2	129,156,300	37,958,067	91,198,233	71%
3	133,400	22,000	111,400	84%	3	4,945,484	172,540	4,772,944	97%
4	686,900	207,710	479,190	70%	4	7,120,200	1,472,520	5,647,680	79%
5	0	0	0	#DIV/0!	5	120,000	0	120,000	100%
6	2,571,000	1,530,310	1,040,690	40%	6	17,055,900	10,524,050	6,531,850	38%
7	100,000	99,090	910	1%	7	432,000	1,352,880	-920,880	-213%
8	691,000	253,281	437,719	63%	8	4,024,900	1,892,750	2,132,150	53%
<b>Total</b>	<b>16,247,400</b>	<b>7,184,513</b>	<b>9,062,887</b>	<b>55.8%</b>	<b>Total</b>	<b>167,834,284</b>	<b>53,881,292</b>	<b>113,952,992</b>	<b>67.9%</b>

ZONAL WATER CONSUMPTION - May 2019					ZONAL WATER CONSUMPTION - FY2019 YTD				
Zone	awge Use - Gallons/Connection/Month				Zone	Avge Use -Gallons/Connection			
	Commescial	Govesment	Hospital	Residential		Commercial	Government	Hospital	Residential
1	1,350	0	-	6,153	1	18,310	0	-	44,555
2	28,698	29,761	-	8,725	2	212,720	224,597	-	67,461
3	22,000	0	-	0	3	22,000	0	-	#DIV/0!
4	0	0	-	15,978	4	0	0	-	113,271
5	0	0	-	0	5	0	0	-	#DIV/0!
6	8,012	0	917,200	468	6	69,302	0	5,720,800	118,579
7	0	0	-	16,515	7	0	0	-	225,480
8	0	43,403	-	7,116	8	0	314,180	-	55,733
<b>Total</b>	<b>60,060</b>	<b>73,163</b>	<b>917,200</b>	<b>54,955</b>	<b>Total</b>	<b>197,045</b>	<b>205,552</b>	<b>5,720,800</b>	<b>76,122</b>

### Work Order Summary – End May 2019

Work Order Type	WO at Start of Period	New	Printed	Despatched	Completed	WO at End of Period
INTERNAL MAINTENANCE	1	2	2	0	1	2
INTERNAL POWER	0	0	0	0	0	0
INTERNAL SEWER	0	0	1	0	0	0
INTERNAL WATER	0	0	0	0	0	0
POWER	5	9	9	0	2	12
REVENUE	26	14	14	0	8	32
SEWER	13	14	15	0	7	20
WATER	105	172	174	0	64	213
<b>TOTAL ALL WORK ORDERS</b>	<b>150</b>	<b>211</b>	<b>215</b>		<b>82</b>	<b>279</b>

Work Order Type	WO Outstanding at Start	New WO	Completed as % of Outstanding	WO Outstanding At End
INTERNAL MAINTENANCE	0.7%	0.9%	-	0.7%
INTERNAL POWER	0.0%	0.0%	-	0.0%
INTERNAL SEWER	0.0%	0.0%	-	0.0%
INTERNAL WATER	0.0%	0.0%	-	0.0%
POWER	3.3%	4.3%	14.3%	4.3%
REVENUE	17.3%	6.6%	20.0%	11.5%
SEWER	8.7%	6.6%	25.9%	7.2%
WATER	70.0%	81.5%	23.1%	76.3%
<b>TOTAL ALL WORK ORDERS</b>			<b>22.7%</b>	

# Administration Table 1 H&S Statistics – May 2019 & FY 2019



## HEALTH & SAFETY REPORT: FY2019 - May 2019

### 1. ACCIDENT REPORT

DEPARTMENT	Number of Staff	May 2019						YEAR TO DATE - FY2019					
		Hours Worked	FA	MT	LTC	LTD	FAT	Hours Worked	FA	MT	LTC	LTD	FAT
Power Generation	19	3,110	0	0	0	0	0	20,169	0	0	0	0	0
Maintenance	5	825	0	0	0	0	0	7,332	0	0	0	0	0
Power Distribution - Line	23	3,583	0	0	0	0	0	25,568	0	0	0	0	0
Power Distribution - Contractors	0	0	0	0	0	0	0	7,118	0	0	0	0	0
Water & Sewer	28	4,851	0	0	0	0	0	27,062	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	18	2,407	0	0	0	0	0	20,554	0	0	0	0	0
Tonoas Contractors	7	1,221	0	0	0	0	0	1,221	0	0	0	0	0
<b>TOTAL</b>	<b>100</b>	<b>15,997</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114,377</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FA - Number of First Aid cases

Total Hours Without Incident: - Whole Company

786,263

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	May 2019		
		Total Hours Sick	Accident Related	Poor Health
Power Generation	19	105	0	105
Maintenance	5	22	0	22
Power Distribution - Line	23	94	0	94
Power Distribution - Contractors	0	0	0	0
Water & Sewer	28	132	0	132
Water & Sewer Contractors	0	0	0	0
Fin, Admin, Cust Care	18	126	0	126
Tonoas Contractors	7	0	0	0
<b>TOTAL</b>	<b>93</b>	<b>479</b>	<b>0</b>	<b>479</b>

Year To Date FY2019		
Total Hours Sick	Accident Related	Poor Health
105	0	105
91	0	91
329	0	329
331	0	331
337	0	337
384	0	384
967	0	532
0	0	0
<b>2,544</b>	<b>0</b>	<b>2,109</b>

Sick Hours as Percentage of Total Hours Worked	3.0%	0.0%	3.0%
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2.2%	0.0%	1.8%
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DEPARTMENT	Number of Staff	May 2019		
		Sick Hours as Percentage of Total Hours Worked	Accident Related	Poor Health
Power Generation	19	3.4%	0.0%	3.4%
Maintenance	5	2.7%	0.0%	2.7%
Power Distribution - Line	23	2.6%	0.0%	2.6%
Power Distribution - Contractors	0	-	-	-
Water & Sewer	28	0.0%	0.0%	0.0%
Water & Sewer Contractors	0	-	-	-
Fin, Admin, Cust Care	18	5.2%	0.0%	5.2%
Tonoas Contractors	7	0.0%	0.0%	0.0%
<b>TOTAL</b>	<b>93</b>	<b>3.0%</b>	<b>0.0%</b>	<b>3.0%</b>

## Administration Table 2 Attendance Summary - May 2019 & FY 2019

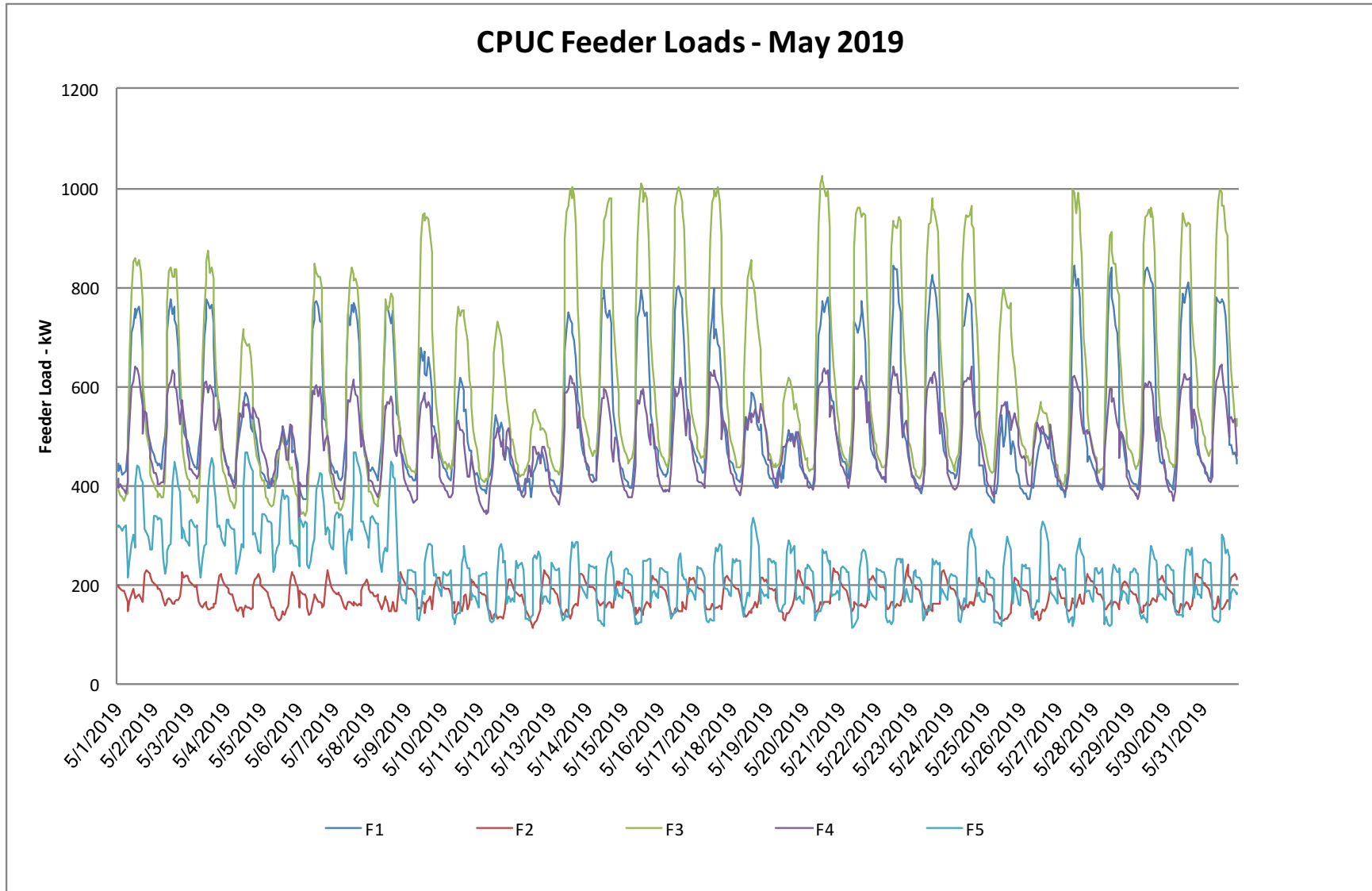
DEPARTMENT	May 2019								YEAR TO DATE - FY2019							
DEPARTMENT	Number of Staff	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Hours Worked		National Holiday	Sick Leave	Annual Leave	Total Hours Claimed	AWOL	Sick Leave As % of Hours claimed
		Regular	Overtime						Regular	Overtime						
Power Generation	19	2,909	201	55	105	72	3,343	0	18,793	1,376	324	779	806	22,077	357	3.5%
Maintenance	5	787	38	28	22	35	910	0	6,909	423	269	176	330	8,106	19	2.2%
Power Distribution - Line	23	3,435	148	132	94	227	4,036	63	23,856	1,711	1,174	892	1,814	29,447	232	3.0%
Power Distribution - Contractors	0	0	0	0	0	0	0	0	7,113	5	0	16	8	7,142	0	0.2%
Water & Sewer	28	4,024	827	94	132	141	5,218	164	23,780	3,282	773	847	1,106	29,788	283	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	18	2,269	138	98	126	233	2,864	13	19,266	1,288	854	1,406	2,206	25,019	92	5.6%
Tonoas Contractors	7	1,221	0	0	0	0	1,221	0	1,221	0	0	0	0	1,221	0	0.0%
<b>TOTAL EMPLOYEES</b>	<b>100</b>	<b>14,644</b>	<b>1,352</b>	<b>408</b>	<b>479</b>	<b>709</b>	<b>17,592</b>	<b>239</b>	<b>106,291</b>	<b>8,086</b>	<b>3,559</b>	<b>4,179</b>	<b>6,269</b>	<b>127,163</b>	<b>982</b>	<b>3.3%</b>
<b>REGULAR STAFF</b>	<b>93</b>	<b>13,423</b>	<b>1,352</b>	<b>408</b>	<b>479</b>	<b>709</b>	<b>16,371</b>	<b>239</b>	<b>92,604</b>	<b>8,081</b>	<b>3,394</b>	<b>4,099</b>	<b>6,261</b>	<b>114,439</b>	<b>982</b>	
Hours as % of Total Hours Claimed		82.0%	8.3%	2.5%	2.9%	4.3%		1.5%	80.9%	7.1%	3.0%	3.6%	5.5%		0.9%	
<b>CONTRACT STAFF</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,466</b>	<b>5</b>	<b>165</b>	<b>80</b>	<b>8</b>	<b>12,724</b>	<b>0</b>	
Hours as % of Total Hours Claimed		-	-	-	-	-	-	-	98.0%	0.0%	1.3%	0.6%	0.1%		0.0%	



## CAPEX Table 1 Capex Summary Sheet - May 2019

Capex Summary Sheet as of May 31, 2019								
	A	B	C	D (B-C)	E (A-B)	F	(A+A1-F)	G (F-C)
	Total Value	Commitment	Expended	Commitment Balance	Uncommitted	Cash Drawdown	OIA Balance	Cash Balance
FY 2018 Professional management - D18AF00029	266,298	266,298	266,298	0	0	266,298	0	0
FY 2016 Tonoas Water System - D16AF00017-00010	750,000	360,859	361,756	-897	389,141	415,000	335,000	53,244
FY 2019 Professional management - D19AF0008	204,400	204,400	57,149	147,251	0	0	204,400	-57,149
<b>Total</b>	<b>1,016,298</b>	<b>627,157</b>	<b>628,054</b>	<b>-897</b>	<b>389,141</b>	<b>681,298</b>	<b>335,000</b>	<b>53,244</b>

## Graph Showing Feeder Loads in kW - May 2019



### Graph Showing Generation Output in kW - May 2019

