



CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM POWER AUTHORITY WORK SESSION

CCU Conference Room

4:30 p.m., Thursday, September 19, 2019

AGENDA

1. ISSUES FOR DECISION
2. GM REPORT
 - 2.1 [Updates](#)
3. ISSUES FOR DISCUSSION
 - 3.1 [Update on Joint Utility Initiative s](#)
4. OTHER DISCUSSION
5. DIVISION REPORTS
 - 4.1 [Administration: Customer Service, HR, Procurement, Safety](#)
 - 4.2 [Communications](#)
 - 4.3 [Engineering & Technical: Engineering, IT, Planning & Regulatory, SPORD](#)
 - 4.4 [Finance](#)
 - 4.5 [Operations: Facilities, Generation, PSCC, T&D, Transportation](#)
6. ANNOUNCEMENTS
 - 5.1 Next Meeting: CCU/GWA Meeting: September 24, 2019
7. ADJOURNMENT

GENERAL MANAGER'S REPORT

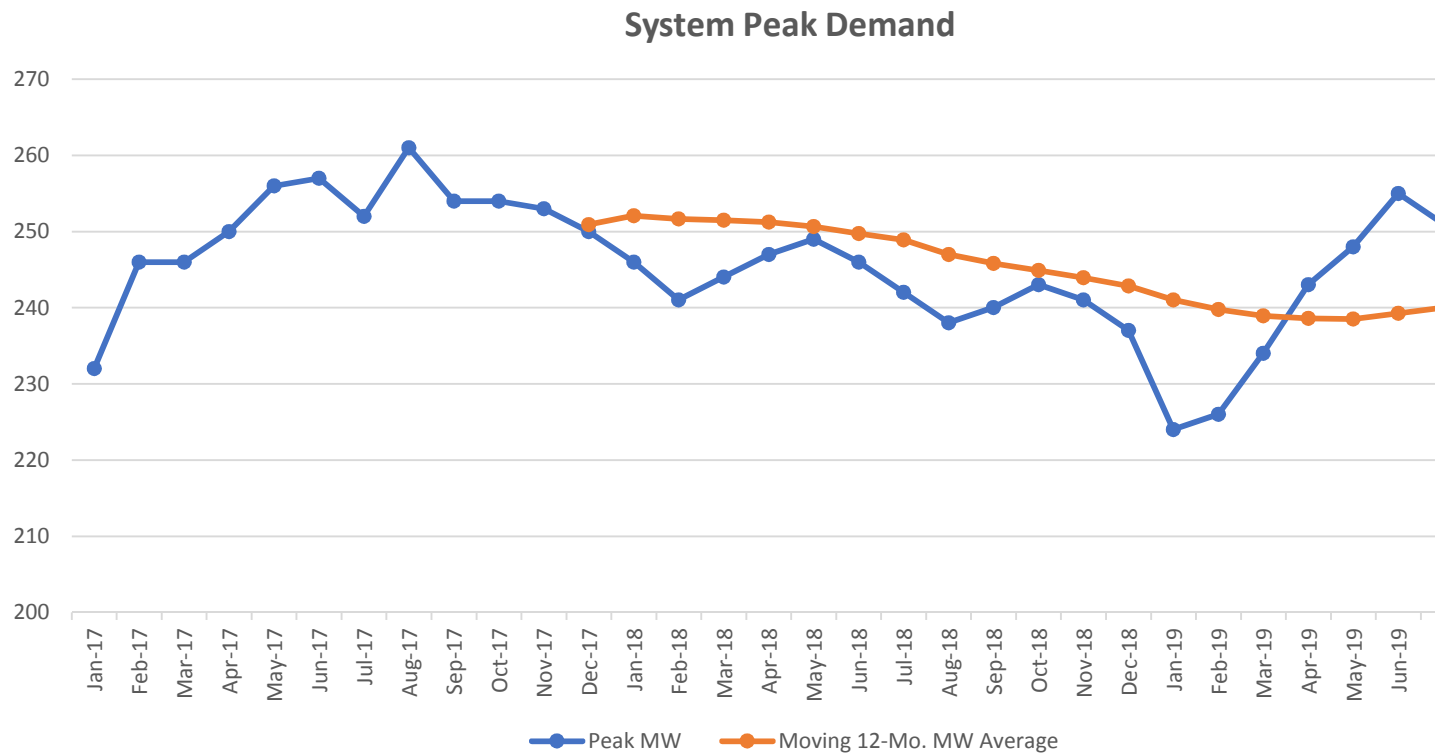
SEPTEMBER 2019



1. **Generation System:** The following summarizes the generation forecast for September 2019:

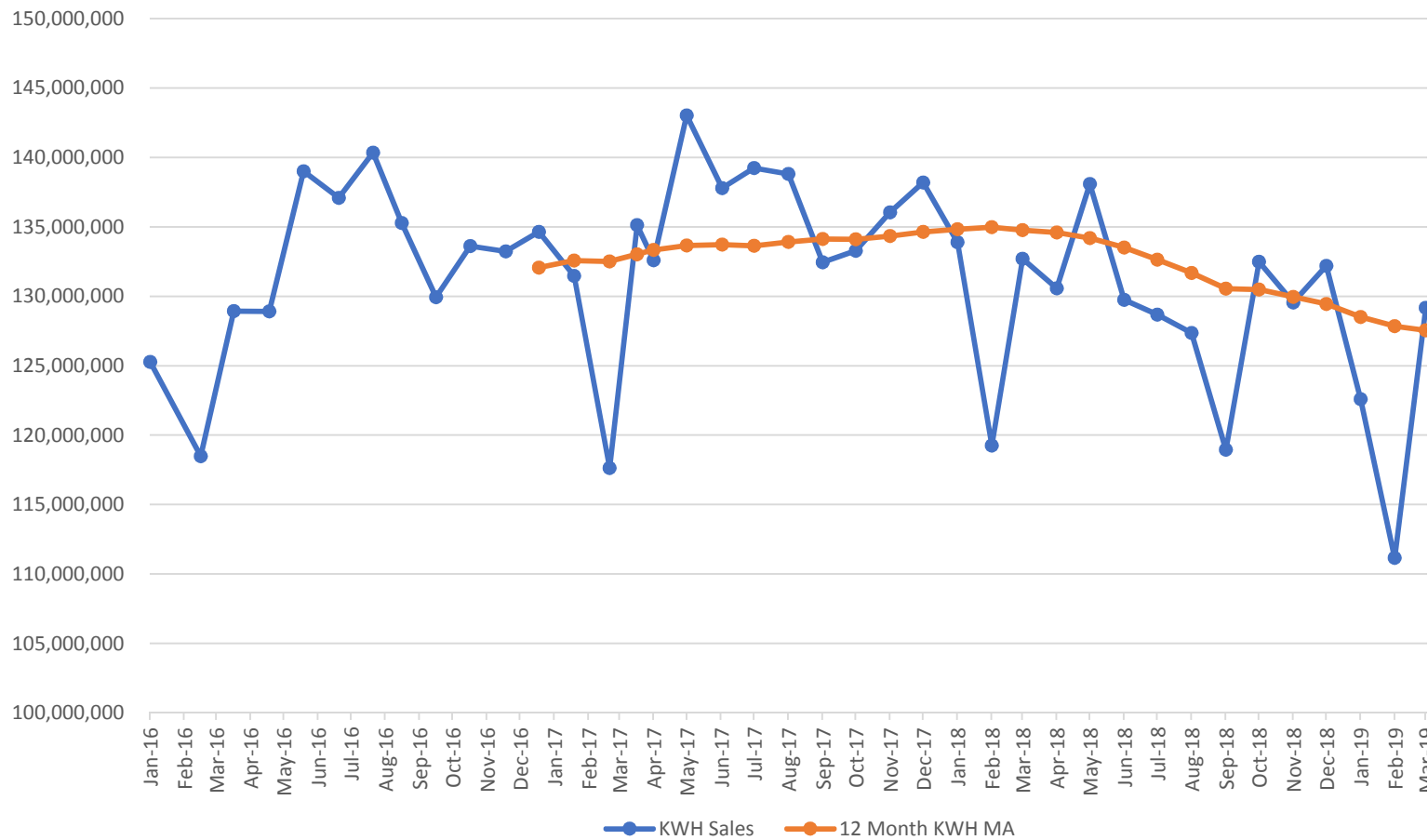
Projected Available Capacity: 371 MW
 Projected Demand: 258 MW
 Anticipated Reserve Margin: 113 MW

- The following updates monthly peak demands ending September 16, 2019:

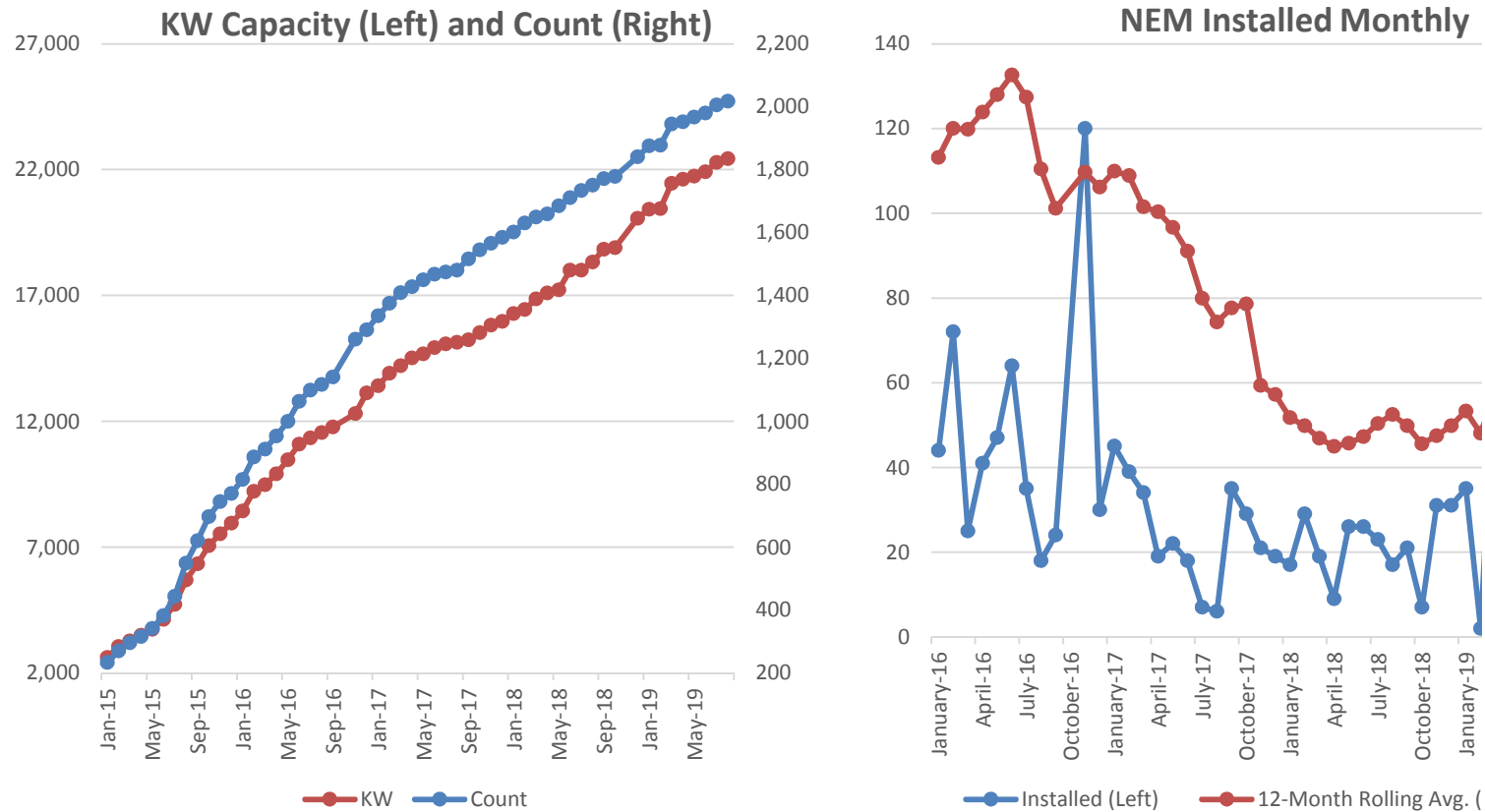


2. Energy Sales: The following graphs energy sales ending August 2019:

KWH Sales



3. Net Metering (NEM) Growth:



Demand Side Management (DSM)

4. Program directly reduces energy cost to customer at a one time fixed rebate. Funded \$3.9M from base rate

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19 thru 8/31/19*	Total
Regular/OT Pay	\$ 11,348.80	\$ 22,256.00	\$ 26,121.83	\$ 46,941.11	\$
Other Contractual	\$ 28,278.50	\$ 85,550.05	\$ 116,977.50	\$ 3,025.00	\$
Ads & Radio Announcements	-	-	-	\$ 7,500.00	\$
Paid Rebates - Split AC	\$ 154,700.00	\$ 557,275.00	\$ 1,349,825.00	\$ 1,041,375.00	\$
Paid Rebates - Central AC	\$ 3,400.00	\$ 8,200.00	\$ 4,400.00	\$ 5,500.00	\$
Paid Rebates- Washer/Dryer	\$ 2,800.00	\$ 7,425.00	\$ 57,200.00	\$ 85,000.00	\$
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,189,341.11	\$3,525,098.74



5. New 180 MW Power Plant

- The Petition for approval of the new power plant was filed with the PUC on September 6, 2019. The PUC has set up public hearings for October 1st (GCIC Building), October 2nd (6:30pm @ Dededo Community Center), and 3rd (6:30pm @ Agat Community Center).

6. Legislative Public Hearing

- Bill 188-35 (COR) relative to back billing is scheduled for Monday, September 24, 2019 at 1:00pm

7. PUC Monthly Meeting

- The PUC has on its agenda the following dockets for decision at its September 2019 monthly meeting:
 - Docket 19-14, FY 2020 CIP Ceiling
 - Docket 19-15, FY 2020-2022 Construction Budget

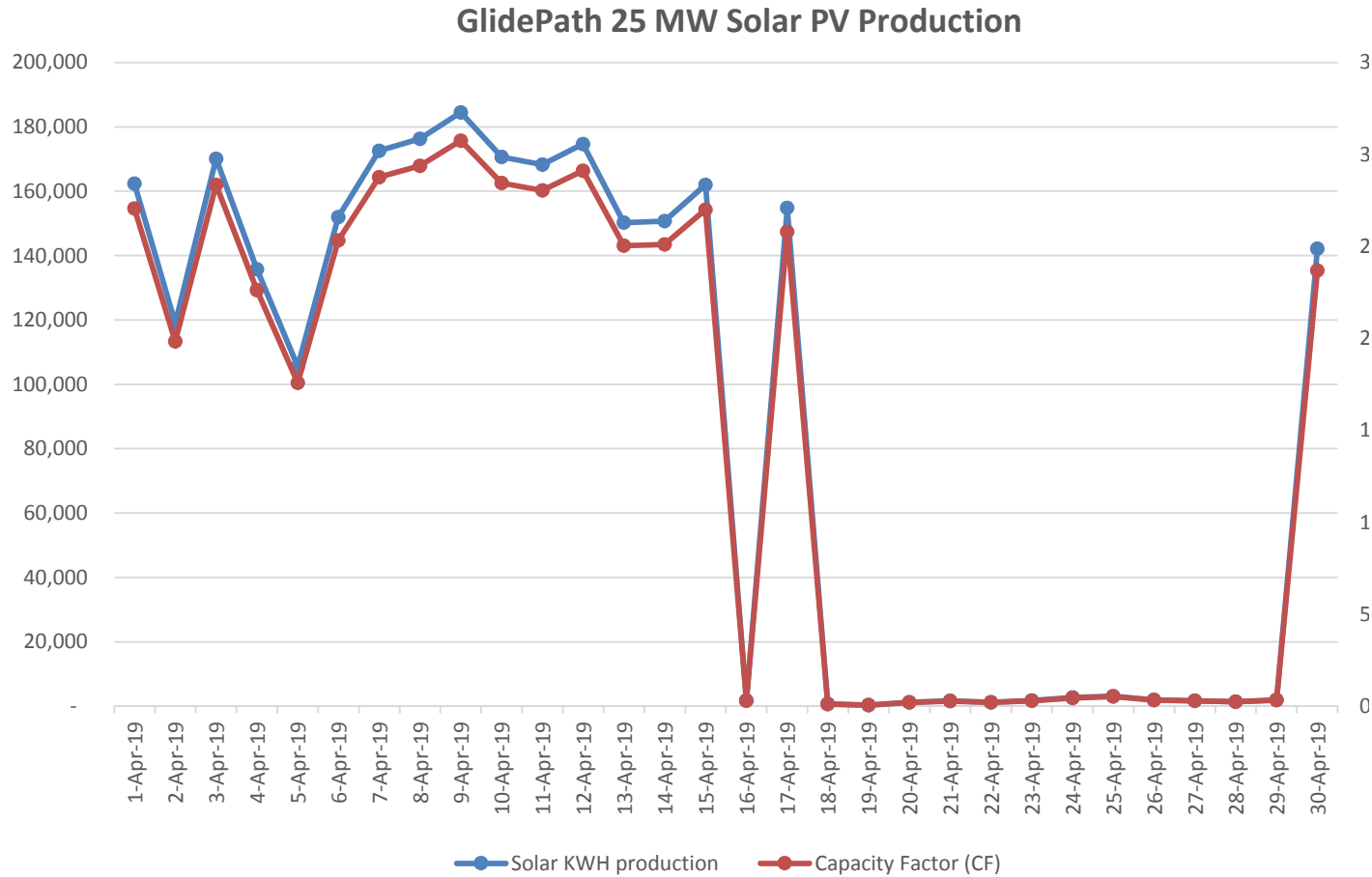
8. Cost of Renewables: The following summarizes the estimated cost to supply 100% of Guam's load with renewables to meet Guam's load. The summary includes:

- April 2019 Solar PV production indicating lack of sunshine for 12 full days
- Solar PV Capacity required to provide one day production
- Cost for battery system for each full day of reserve

9. Updated Metrics: The following are updates thru August 2019 on key metrics:



April 2019 Solar PV Production



Solar PV Cost for 1 day Supply

Description	Existing GPS	Phase II	Phase III	Total	100% Ren
Capacity kW	25,000	120,000	40,000	185,000	
Approximate Acres (233kW/Acre)	107	515	172	794	
Estimated Annual Energy kWh	52,560,000	283,824,000	84,096,000	420,480,000	
Estimated System Annual Energy kWh	1,666,000,000	1,666,000,000	1,666,000,000	1,666,000,000	1,666
Capacity Factor	24.0%	27.0%	24.0%	24.0%	
Percentage of System Delivery	3.2%	17.0%	5.0%	25.2%	
Estimated Sales	1,549,380,000	1,549,380,000	1,549,380,000	1,549,380,000	1,549
RPS	3.4%	18.3%	5.4%	27.1%	
System Heat Rate kWh/Gal	15.3	15.3	15.3	15.3	
Total Barrels Fuel avoided	81,793	441,681	130,868	654,342	
Fuel Cost Amount Avoided @\$55/BBL.	\$4,498,599	\$24,292,437	\$7,197,759	35,988,796	
Contract \$/kWh	\$0.198	\$0.085	\$0.120		
			Estimated-On Bid		
Annual Cost	\$10,406,880	\$24,125,040	\$10,091,520	\$44,623,440	\$199
Average \$/kWh				\$0.106	
\$/kW	\$4,000	\$4,000	\$5,000		
Investment Required	\$100,000,000	\$480,000,000	\$200,000,000	\$780,000,000	\$3,777
\$/kW				\$4,216.22	\$

All projects beyond phase II requires ESS for load shifting.

The ESS provided is for only one day operations.



Solar PV Cost for 1 day Supply

Frequency Control Energy Storage System:	
Battery KW Size	40,000
Investment	\$35,000,000
Annual Debt Service 5%, 20 years	\$2,006,065
Annual O&M	\$300,000
Total Annual Cost	\$2,306,065
GPA Total KWH Sales	1,650,000,000
\$/KWH Sold	\$0.0014
Monthly Cost/Average 1,000KWH Residential User	\$1.40
Annual Cost/Average 1,000KWH Residential User	\$16.77

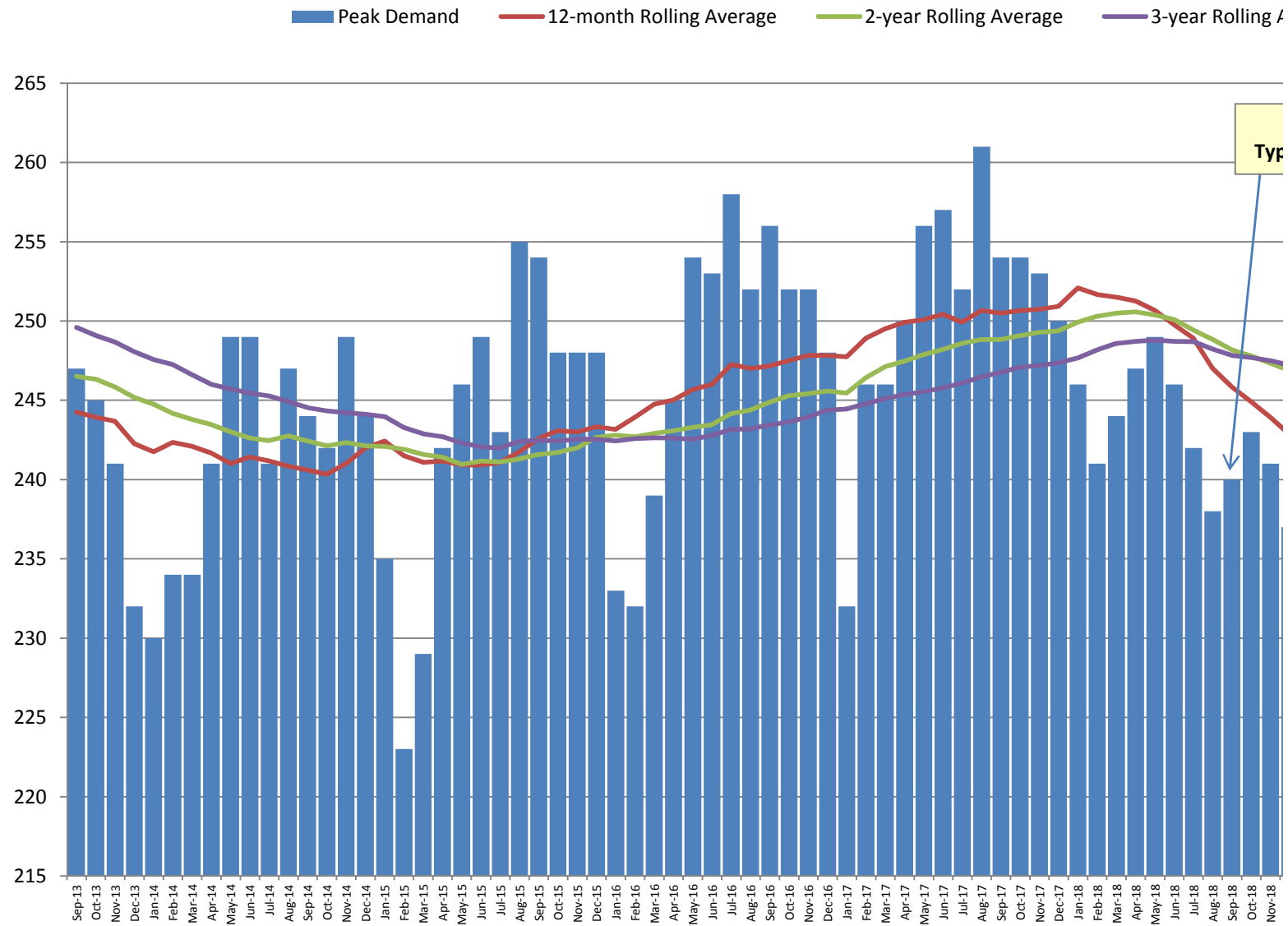
Load Shifting Energy Storage System:	
Peak Demand KW	
Battery KW Size	
Daily Net KWH	
Max 10 hours Storage of 40MW Battery	
Number of Batteries Required	
Estimated Battery Cost for 1 day reserve :	
\$/KWH USA	
\$/KWH Guam	
Investment for system Daily 5,000,000 KWH	
Annual Cost 5%, 20 Years	
\$/Kwh For 1,650 KWH	
For 1,000 KWH Customer Monthly Charge	

100% Renewables plus 1 day storage plus 1 Day Recharge

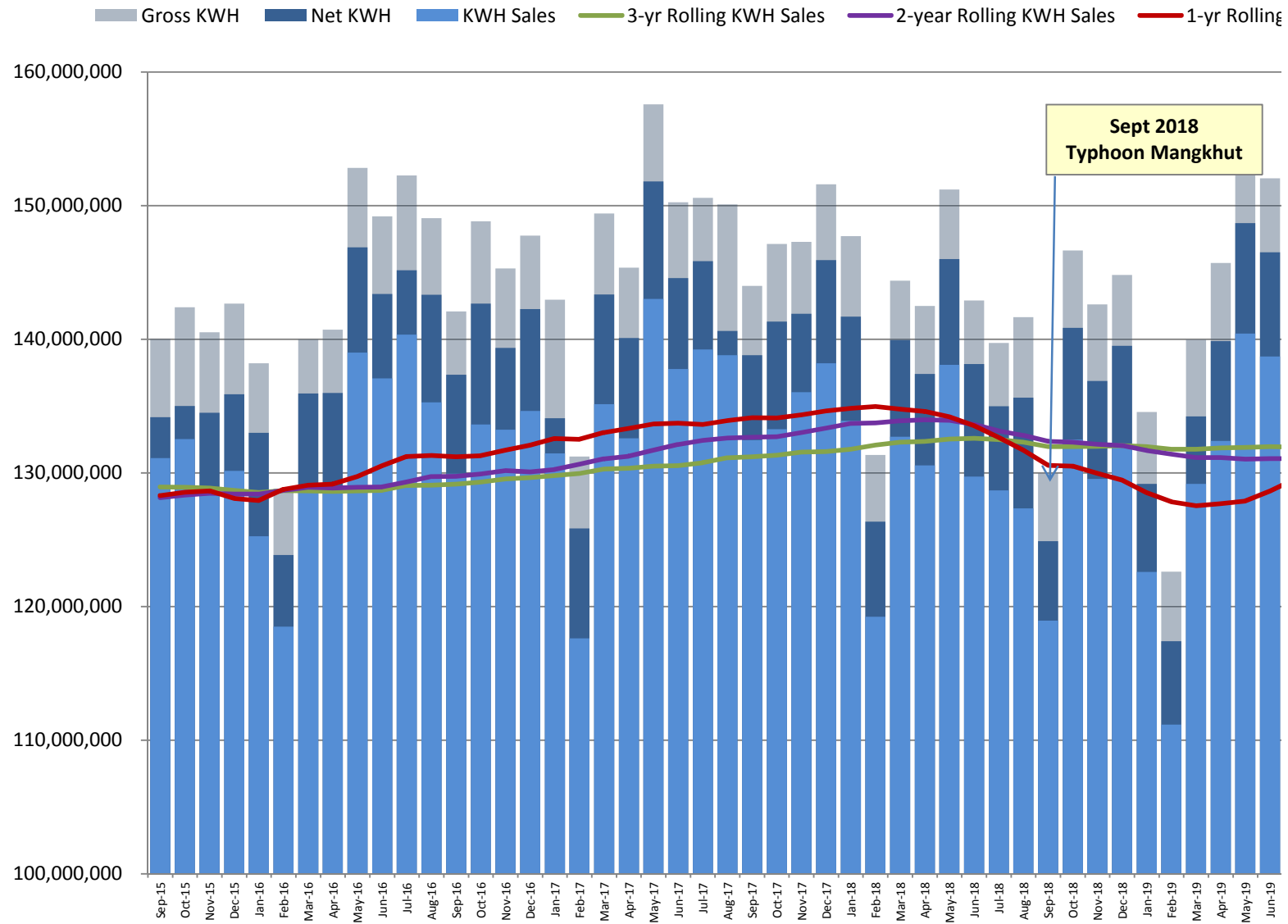
Cost 100% Renewables plus one day reserve storage plus 1 days recharge time

Solar PV System for one day recharge:		
Daily Required KWH		
Total Production Required due to losses of 10%		
KWH Production on sunny day /KW Capacity		
KW Capacity Required		
KW Capacity Required for 1 Days to full charge:		
\$/KW Investment		
Total Investment		\$3,4
Daily use		\$3,7
Recharge Capacity for 1 day Recharging		\$3,4
One Day Battery Reserve Capacity		\$1,5
Total:		\$8,8
Annual Cost; 20 year life		\$440,
Annual KWH		1,6
Annual \$/KWH		
Base Rate less \$0.03 /KWH Avoided with retirement of conventional units		
\$/KWH 100% Renewables Plus One Day Storage and 1 day Recharge		

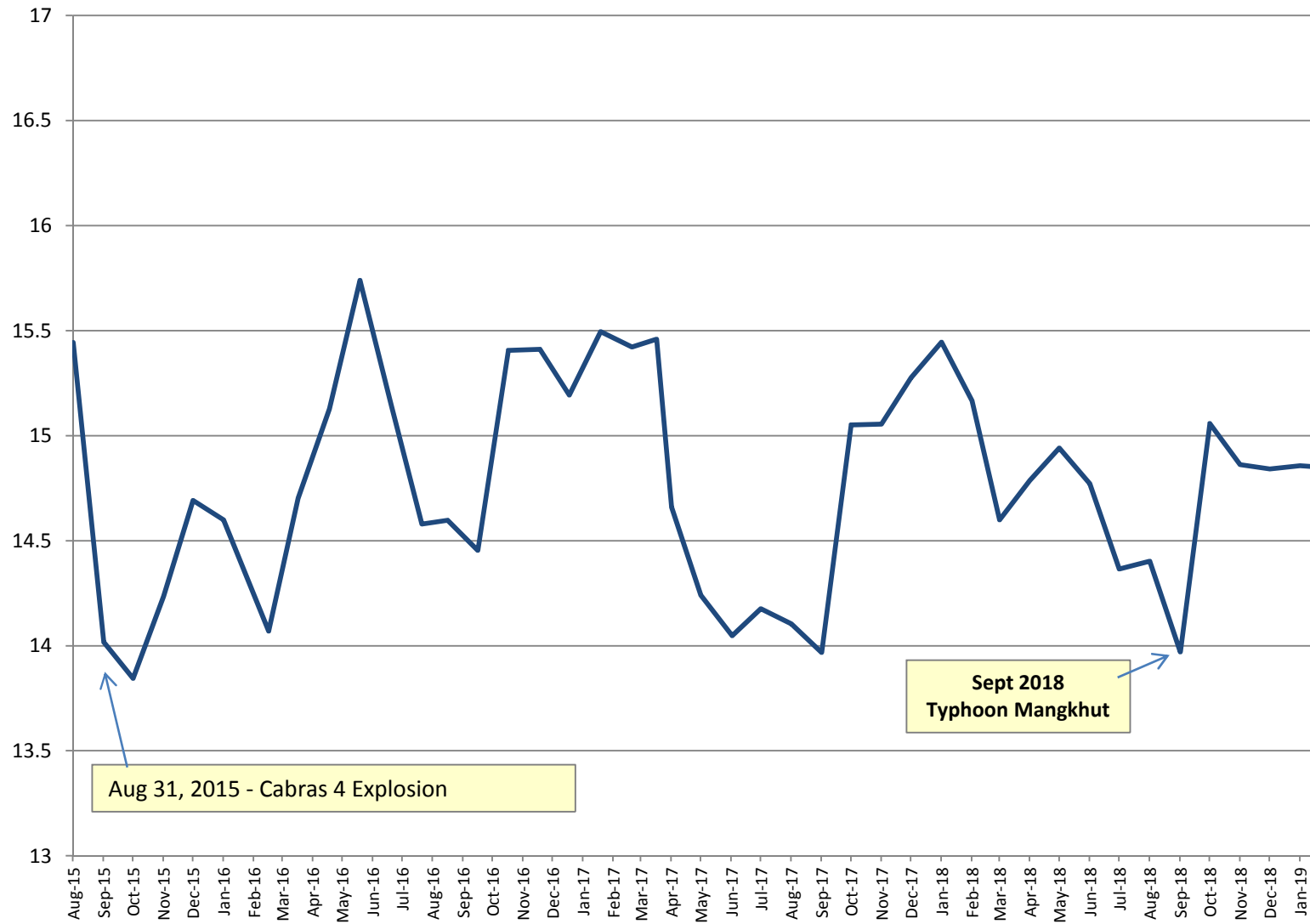
Historical Monthly Peak Demand Sept 2013 - Aug 2019



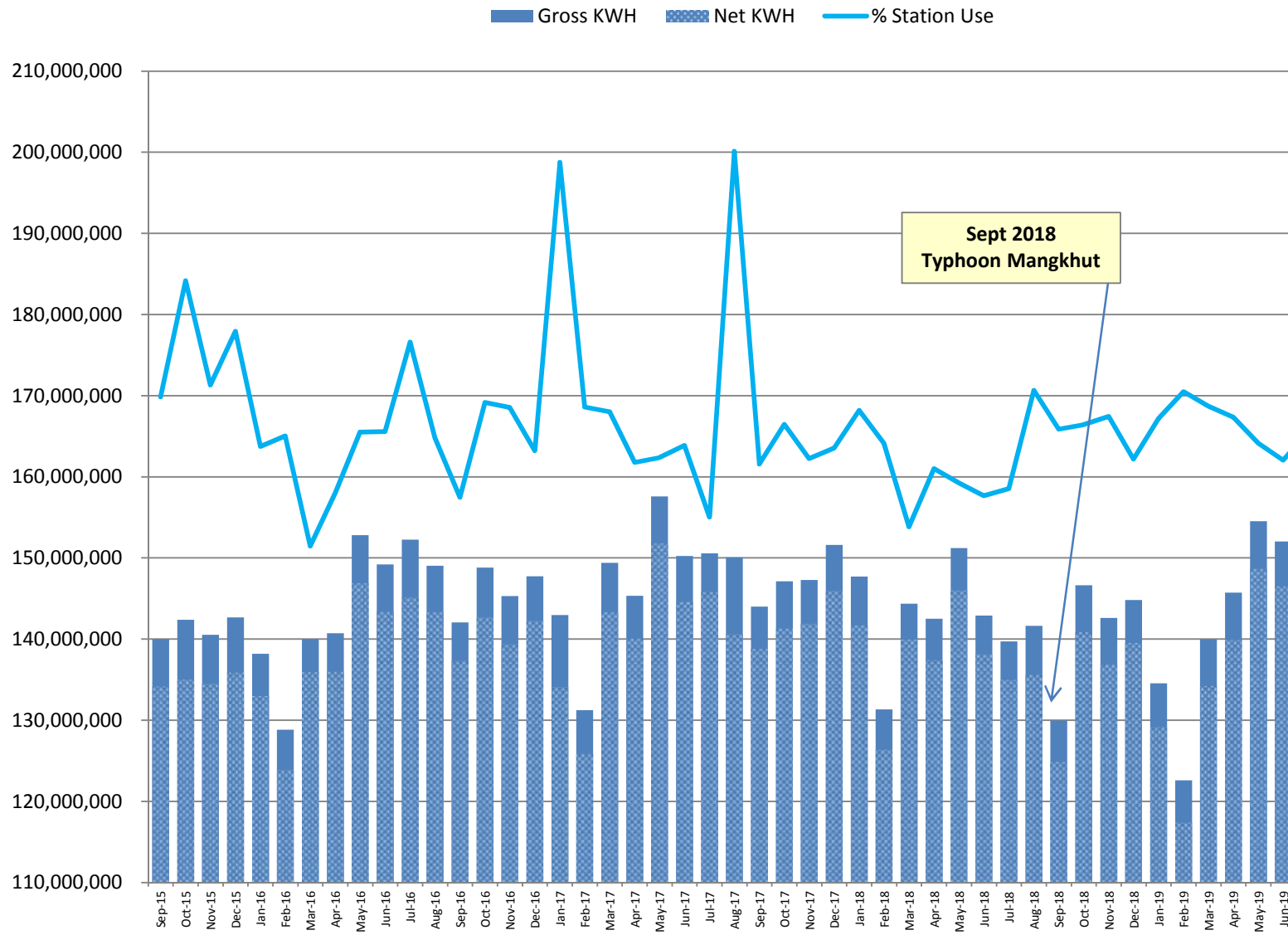
Historical KWH Sales Sept 2015 - Aug 2019



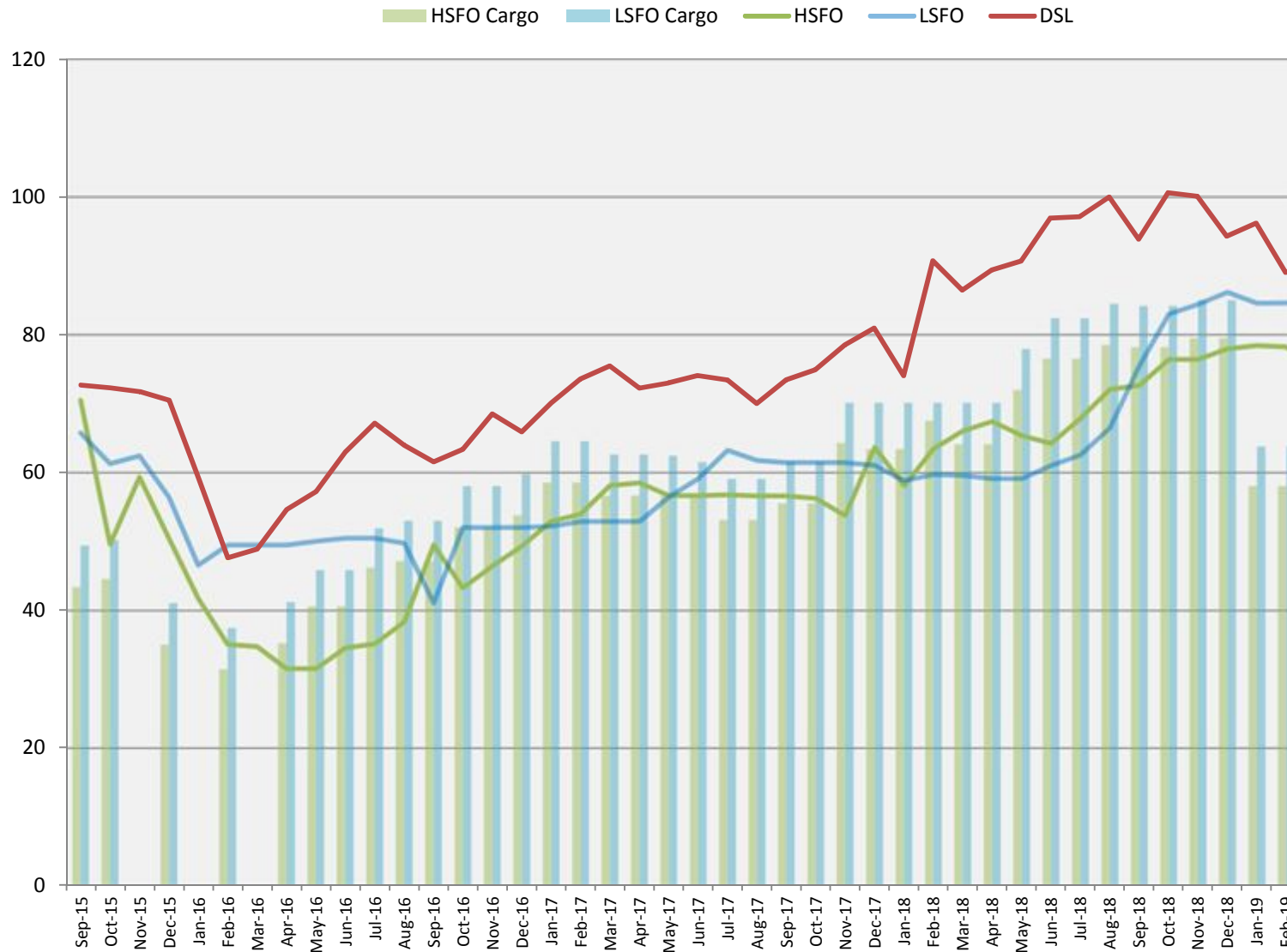
SYSTEM GROSS HEAT RATE (KWH/Gal) Aug 2015 - August 2019



Gross and Net Generation (KWH) Sept 2015 - Aug 2019



Fuel Cargo and Fuel Consumption Costs (\$/bbl) Sept 2015 - Aug 2019



Joint Utility Initiatives



Joint Utility Initiatives

2

- Goal:
 - Prioritize resources and technology efforts to increase customer satisfaction, efficiency, and utility cost savings.
- One Customer Service
- Upper Tumon Renovation
- Enterprise One (E1)
- Physical & Cyber Security



One Customer Service

	CUSTOMER	SOLUTION	UTILITIES
	Improved customer experience	 Single sign-in Self-help kiosks	Quicker resolution Shared data & reporting Improved resolution
	"One-Stop Shop" for customers	 Co-locate call center  Phone system improvements	Shared resources Quicker resolution Reduced missed calls
		 One Customer portal* <i>*includes CSR portal</i>	Automate repetitive tasks Reduced errors Simplified processes

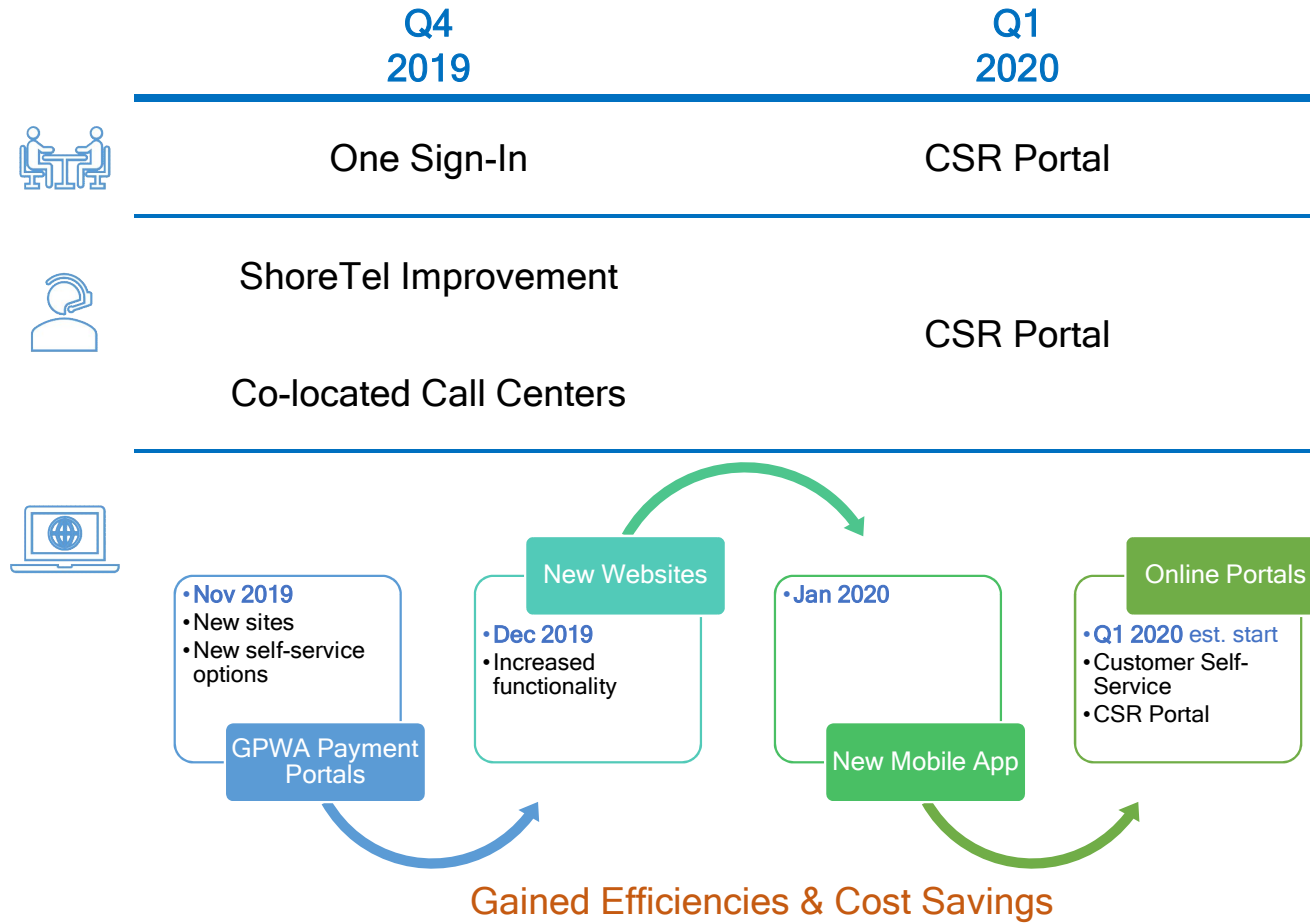
Completed projects:

- ✓ CC&B data merge

Other supporting joint-utility projects:

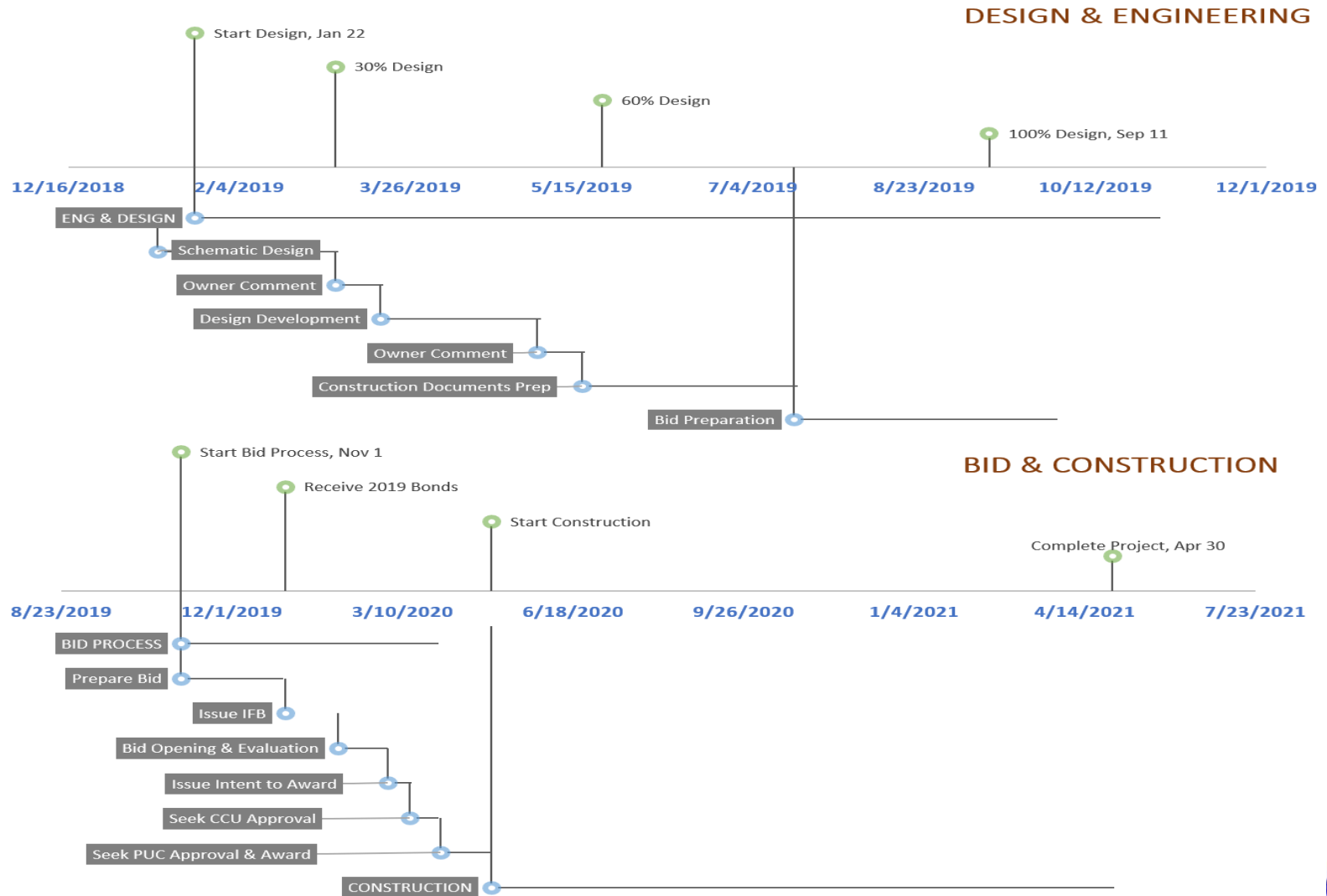
- ✓ Documentation of business processes (SOPs)
- ✓ CC&B clean-up and improved user interface
- ✓ Continuous process improvement training & mini-projects
- ✓ Upper Tumon Lobby renovation

One Customer Service



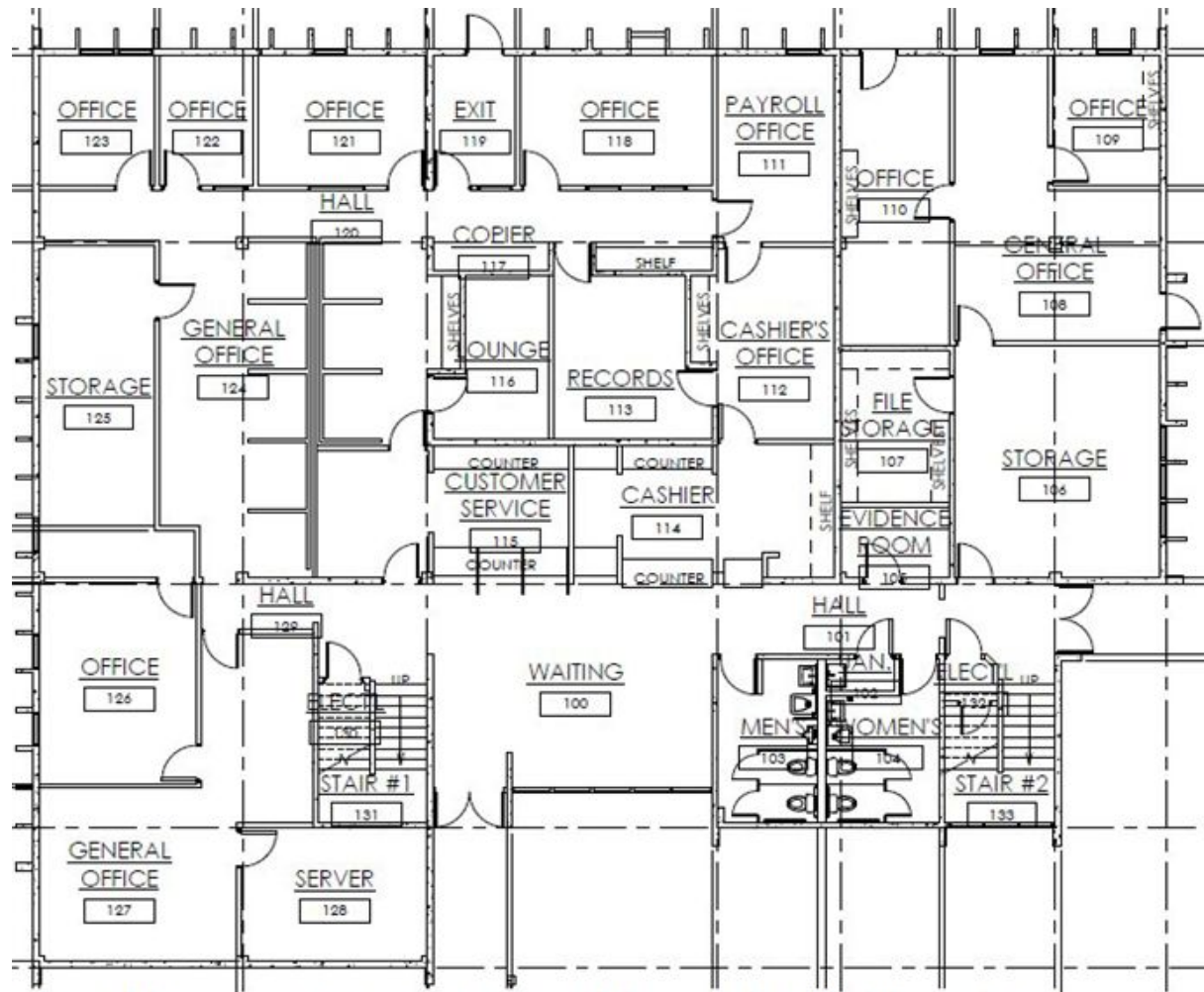
Upper Tumon Renovation

5



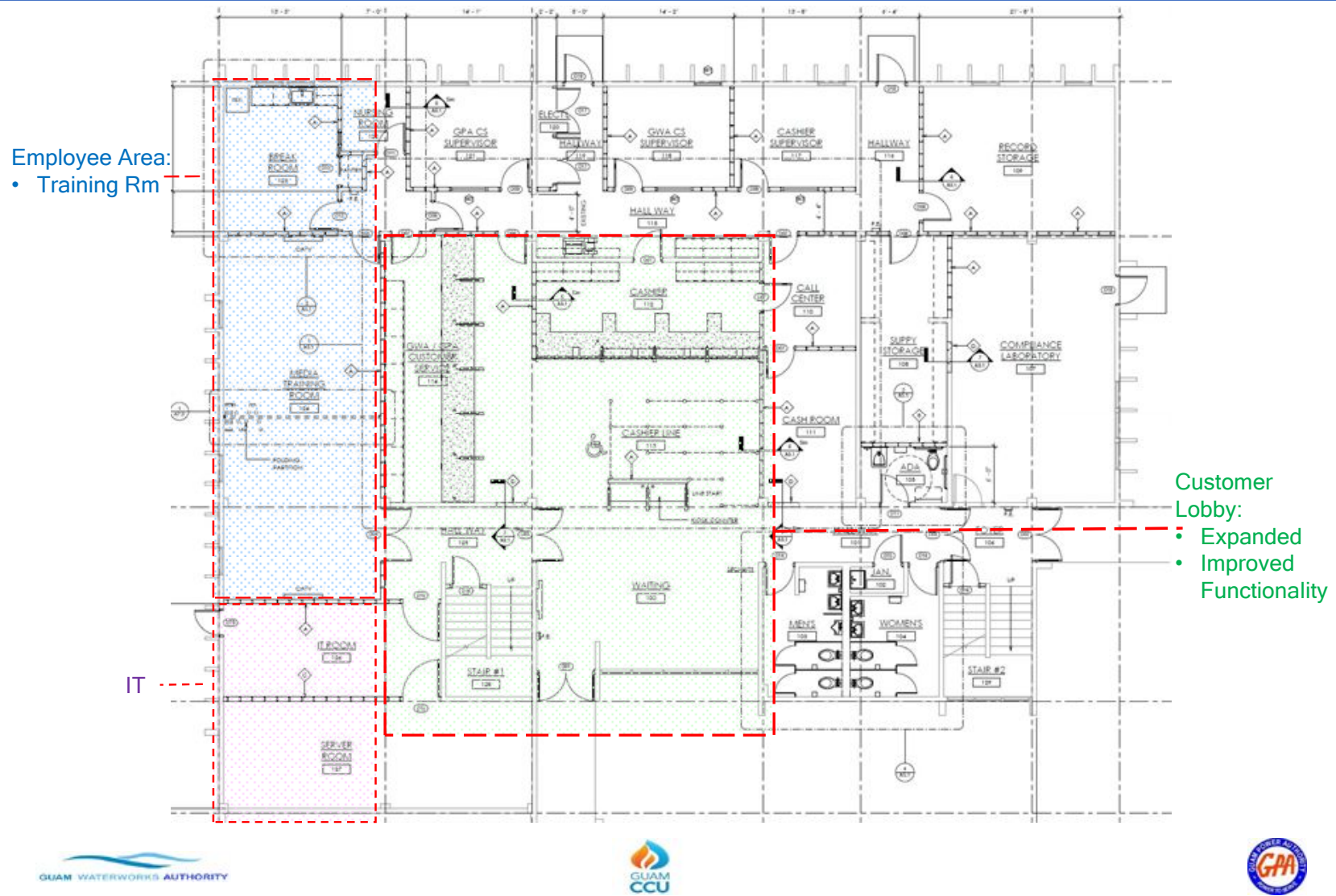
Upper Tumon Renovation - Existing Layout

6



Upper Tumon Renovation - New Layout

7



Other Projects

8

Enterprise One (E1)

- Status:
 - Continue to conduct due diligence to ensure reliability, availability and cost savings
- Projected Completion Date:
 - Long-term project requiring significant internal resources
 - Est. 6-12 months duration, to include conversion and training

Propose to schedule a separate work session discussion on the matter

Physical & Cyber Security

Propose to schedule a separate work session discussion on the matter

Customer Service Division

Aug 2019

SITE	Less than 10 Mins.	%	10-15 Mins.	%	15-30 Mins.	%	30-45 Mins.	%	TOTAL	Location %
FADIAN	753	43%	208	12%	404	23%	371	21%	1,736	30%
HAGATNA	1,400	78%	201	11%	165	9%	32	2%	1,798	31%
UPPER TUMON	1,567	70%	287	13%	306	14%	90	4%	2,250	39%
TOTAL:	3,720	64%	696	12%	875	15%	493	9%	5,784	100%

Government Accounts Receivable: CSD reports invoices for the month of July 2019, for 75 active government accounts with an overall total of \$7,384,926.62. 69 accounts were current (92%), 6 accounts arrears (8%). 15 fax/emails issued to government accounts totaling \$2,671,563.34. June 2019 invoices, 62 accounts paid in full.

Credit and Collection

Delinquent Ratio: As of Aug 2019, the authority reported a total 48,050 active customers. The "Delinquent Ratio" was recorded at 4.25% with 2,040 total delinquent accounts, total arrears of 1,108,801.36; 990,136.92; 1,853(3.86% / 28-45 days) category; 29,217.20; 160 (0.33% / 46-60 days); 38,021.82; 111(0.23% 61-90 days); and 51,425.42; 85(0.18% / Over 90 days).

Bankruptcy: The Authority reports no Bankruptcy for the month of August 2019

Damage Claim: The Damage claim committee received one (1) Damage claims at \$650.00 for the month of August 2019.

ACTIVE DELINQUENT – NON-PAYMENT

Command Center / Disconnection / Reconnections

Single Phase Meters: Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 1,170 customers; 754(64%) were disconnected; 410(35%) deferred; 6(1%) incompletes.

3 Phase Meters: Credit and Collection issued orders to Disconnect Reconnect crew to perform truck roll out disconnect/reconnect for a total of 35 customers; 24(69%) were disconnected; 11(31%) deferred; 0(0%) incompletes.

FY 2019 (Aug 01-31, 2019)								
	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
Aug-19	1,205	778	421	1,199 100%	6	65%	35%	0%
Jul-19	1,056	714	330	1,044 100%	12	68%	31%	1%
3 rd	2,160	1,487	626	2,113 98%	44	69%	29%	2%
2 nd	2,869	2,089	711	2,800 98%	69	73%	25%	2%
1 st	8,855	2,720	6,013	8,733 99%	122	31%	68%	1%
TOTAL:	16,145	7,788	8,101	15,889 99%	253	48%	50%	2%
FY 2018 (October 01, 2017 – September 30, 2018)								
QTR	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
4 th	2,923	2,137	768	2,905 99%	18	73%	26%	1%
3 rd	4,824	2,635	2,167	4,802 100%	22	55%	45%	0%
2 nd	4,092	2,010	2,032	4,042 99%	50	49%	50%	1%
1 st	3,890	2,237	1,646	3,883 100%	7	58%	42%	0%
TOTAL:	15,729	9,019	6,613	15,632 99%	97	57%	42%	1%

This concludes the Summary Report for the Customer Service Division for the month of August 2019.

Respectfully submitted,

Marissa Fernandez

Marissa Fernandez, Adm. Officer

Reviewed / Approved by:

Richard J. Bersamin

Richard J. Bersamin, ACSM

Run Date: 9/8/2019
Run Time: 10:39:23PM

Guam Power Authority
Delinquent Active Accounts Summary Report
As of - 09/08/2019

Report ID: DELRATIO
Page 50 of 50

<u>Rate Classification</u>	<u>Total Cust</u>	<u>Del Cust</u>	<u>Del 28-45</u>	<u>Del 46-60</u>	<u>Del 61-90</u>	<u>Over-90</u>	<u>Current Balance</u>	<u>28-45 Days</u>	<u>46-60 Days</u>	<u>61-90 Days</u>	<u>>90 Days</u>	<u>Total Arrears</u>	<u>Total C</u>
Residential(ERES-R)	42,298	1,827	1,663	124	92	62	5,040,466.43	374,285.46	19,440.68	27,920.25	28,924.78	450,571.17	5,491,037
		4.32%	3.93%	0.29%	0.22%	0.15%							
Small Gen Non Demand(EGEN-G)	4,037	135	117	19	7	12	870,226.63	55,152.66	8,171.12	5,443.43	4,568.97	73,336.18	943,562
		3.34%	2.90%	0.47%	0.17%	0.30%							
Small Gen Demand(EGEND-J)	1,075	46	45	2	1	0	2,386,288.70	244,103.21	621.82	4,216.67	0.00	248,941.70	2,635,230
		4.28%	4.19%	0.19%	0.09%	0.00%							
Large General(ELPS-P)	121	7	6	1	0	1	5,804,544.09	315,821.64	180.80	0.00	13,924.56	329,927.00	6,134,471
		5.79%	4.96%	0.83%	0.00%	0.83%							
Private Streetlight(EPOL-H)	519	25	22	14	11	10	17,195.68	773.95	802.78	441.47	4,007.11	6,025.31	23,220
		4.82%	4.24%	2.70%	2.12%	1.93%							
<u>Sub-Total (Private)</u>	48,050	2,040	1,853	160	111	85	14,118,721.53	990,136.92	29,217.20	38,021.82	51,425.42	1,108,801.36	15,227,522
		4.25%	3.86%	0.33%	0.23%	0.18%							
Small Gov Non Demand(ESGS-S)	666	55	50	41	4	1	415,661.71	47,055.34	35,096.33	3,388.45	994.58	86,534.70	502,196
		8.26%	7.51%	6.16%	0.60%	0.15%							
Small Gov Demand(ESGSD-K)	359	86	85	72	0	1	3,337,851.54	561,690.82	390,446.18	0.00	68.13	952,205.13	4,290,056
		23.96%	23.68%	20.06%	0.00%	0.28%							
Large Government(ELGS-L)	44	21	20	20	0	1	2,748,464.54	555,547.24	471,618.32	0.00	417.77	1,027,583.33	3,776,047
		47.73%	45.45%	45.45%	0.00%	2.27%							
Gov Streetlight(ESTL-F)	619	42	41	4	0	1	507,782.53	13,171.90	176.24	0.00	198.18	13,546.32	521,328
		7%	6.62%	0.65%	0.00%	0.16%							
<u>Sub-Total (Government)</u>	1,688	204	196	137	4	4	7,009,760.32	1,177,465.30	897,337.07	3,388.45	1,678.66	2,079,869.48	9,089,629
		12.09%	11.61%	8.12%	0.24%	0.24%							
<u>GRAND TOTAL</u>	49,738	2,244	2,049	297	115	89	21,128,481.85	2,167,602.22	926,554.27	41,410.27	53,104.08	3,188,670.84	24,317,152
		4.51%	4.12%	0.60%	0.23%	0.18%							

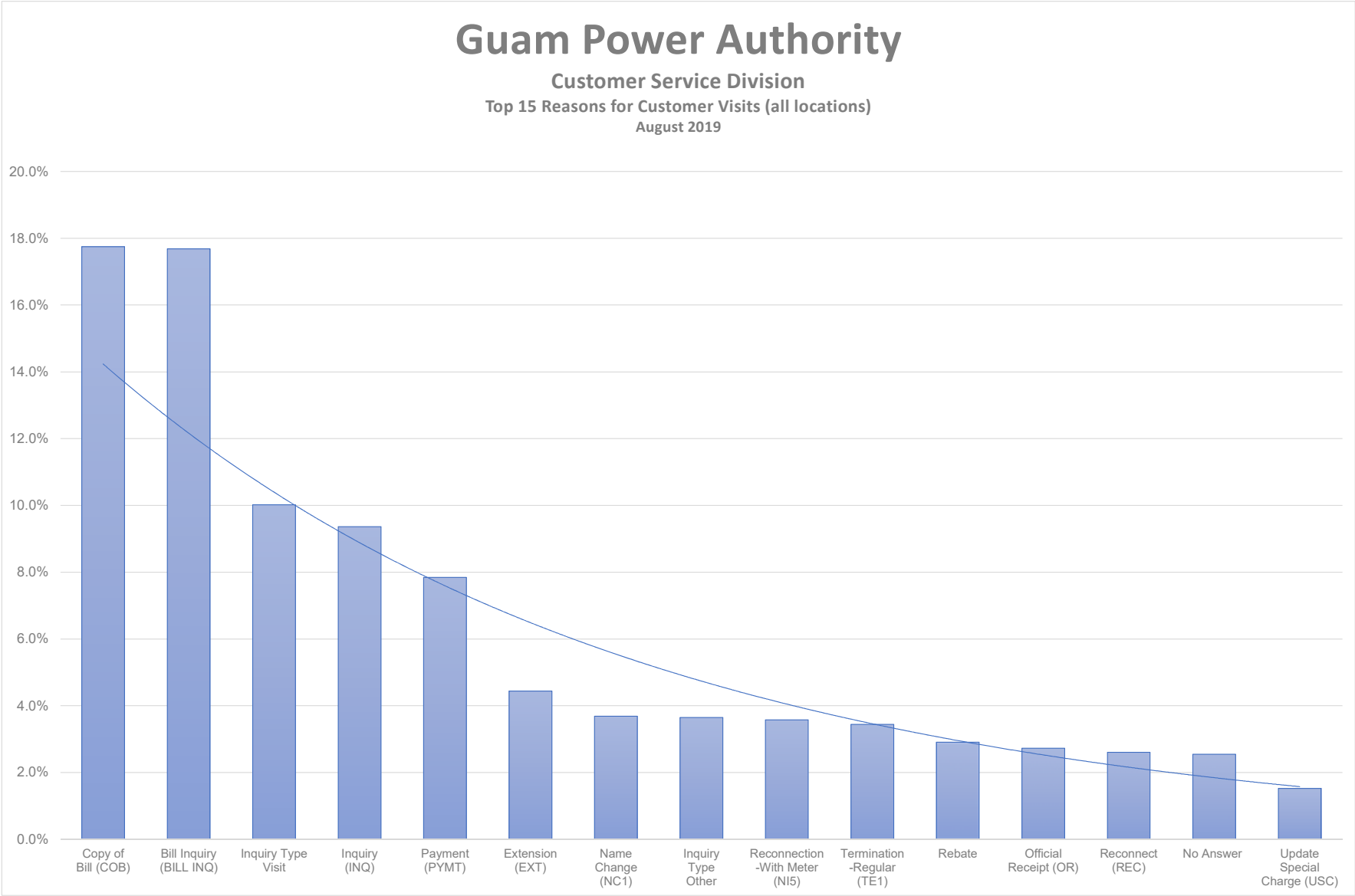
Guam Power Authority
Customer Service Division
Employee Month-To-Date (MTD) Consolidated Report
August 2019

Reason(s) for visit	Transaction type	Fadian	% MTD	Hagatna	% MTD	Tumon	% MTD	TOTAL
New Install - Permanent (NI1)	Application	13	0.3%	0	0.0%	1	0.0%	14
New Install - Temporary (NI2)	Application	10	0.3%	4	0.1%	0	0.0%	14
New Install - Street Light (NI3)	Application	2	0.1%	0	0.0%	1	0.0%	3
Reconnection - Without Meter (NI4)	Application	9	0.2%	2	0.1%	3	0.1%	14
Reconnection - With Meter (NI5)	Application	109	2.9%	123	3.5%	191	4.2%	423
Name Change (NC1)	Application	118	3.2%	134	3.8%	184	4.0%	436
Name Change - Street Light (NC2)	Application	2	0.1%	3	0.1%	1	0.0%	6
Termination - Regular (TE1)	Termination	116	3.1%	142	4.1%	149	3.2%	407
Termination - Name Change (TE2)	Termination	0	0.0%	1	0.0%	0	0.0%	1
Termination - Non Payment (TE3)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Termination - Typhoon (TE4)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Termination - Removal (TE5)	Termination	2	0.1%	0	0.0%	1	0.0%	3
Termination (TE6)	Termination	2	0.1%	0	0.0%	0	0.0%	2
Work Clearance - Emergency (WCE)	Other	3	0.1%	2	0.1%	2	0.0%	7
Work Clearance - Underground (UG)	Other	19	0.5%	0	0.0%	0	0.0%	19
Work Clearance - Overhead (OH)	Other	18	0.5%	1	0.0%	4	0.1%	23
Meter Investigation (INV)	Other	4	0.1%	1	0.0%	2	0.0%	7
Meter Change Out / Calibration (MC1)	Other	2	0.1%	2	0.1%	1	0.0%	5
Meter Upgrade /Downgrade (MC3)	Other	2	0.1%	0	0.0%	0	0.0%	2
Misc Public Service (MPS)	Other	38	1.0%	6	0.2%	9	0.2%	53
Refund (RFD)	Other	7	0.2%	11	0.3%	14	0.3%	32
Relocation of Meter (RM1)	Other	8	0.2%	0	0.0%	1	0.0%	9
Street Light Repair (ST1)	Other	12	0.3%	0	0.0%	0	0.0%	12
Official Receipt (OR)	Other	42	1.1%	123	3.5%	157	3.4%	322
Update Special Charge (USC)	Other	7	0.2%	137	3.9%	36	0.8%	180
Inspection Report (IR)	Other	62	1.7%	5	0.1%	7	0.2%	74
Copy of Bill (COB)	Other	650	17.4%	715	20.5%	733	16.0%	2,098
Bill Inquiry (BILL INQ)	Other	450	12.0%	649	18.6%	991	21.6%	2,090
Bill Adjustment (BILL ADJ)	Other	4	0.1%	4	0.1%	4	0.1%	12
Address Change (ADDR CHG)	Other	26	0.7%	73	2.1%	61	1.3%	160
Deferred Payment Agreement (DPA)	Other	2	0.1%	0	0.0%	4	0.1%	6
Prepaid	Other	13	0.3%	61	1.7%	33	0.7%	107
Rebate	Other	98	2.6%	126	3.6%	120	2.6%	344
ACH/EFT	Other	1	0.0%	3	0.1%	3	0.1%	7
No Answer	Other	173	4.6%	50	1.4%	78	1.7%	301
Inquiry Type Visit	Other	391	10.5%	167	4.8%	626	13.6%	1,184
Inquiry Type Other	Other	102	2.7%	59	1.7%	270	5.9%	431
Inquiry (INQ)	Active Delinquent	518	13.9%	390	11.2%	199	4.3%	1,107
Payment (PYMT)	Active Delinquent	387	10.3%	181	5.2%	359	7.8%	927
Do Not Disconnect (DND)	Active Delinquent	3	0.1%	1	0.0%	0	0.0%	4
Extension (EXT)	Active Delinquent	171	4.6%	171	4.9%	183	4.0%	525
Reconnect (REC)	Active Delinquent	95	2.5%	71	2.0%	142	3.1%	308
Inquiry (INQ)	Inactive	33	0.9%	56	1.6%	8	0.2%	97
Payment (PYMT)	Inactive	13	0.3%	6	0.2%	3	0.1%	22
Transfer Balance (TRF BAL)	Inactive	3	0.1%	8	0.2%	11	0.2%	22
Total transactions by location		3,740		3,488		4,592		
Grand total for all locations								11,820

Customer contact by type	Fadian	%	Hagatna	%	Tumon	%
Visit (V)*	1,736	87.5%	1,798	83.6%	2,250	94.3%
Telephone (T)	15	0.8%	132	6.1%	25	1.0%
Mail (M)	105	5.3%	32	1.5%	31	1.3%
Fax (F)	0	0.0%	23	1.1%	0	0.0%
Transfer Call (TRF CALL)	3	0.2%	19	0.9%	30	1.3%
Other (OTHER)	125	6.3%	147	6.8%	50	2.1%
Total customer contacts	1,984		2,151		2,386	

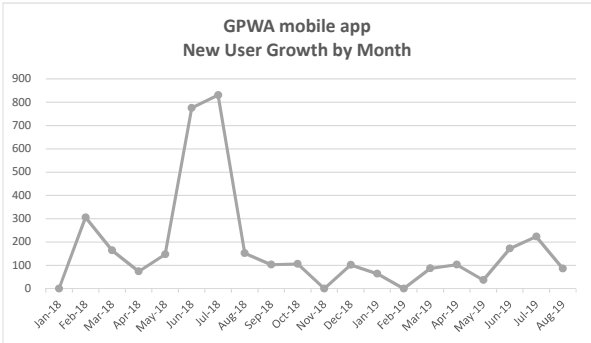
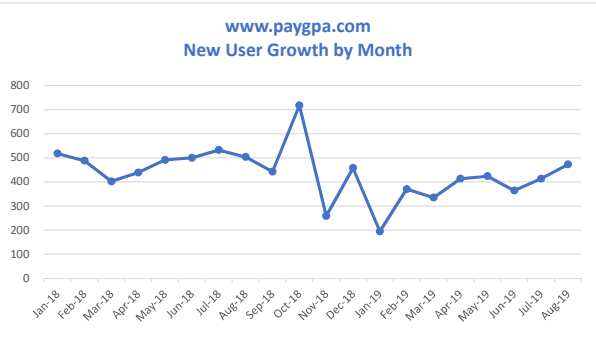
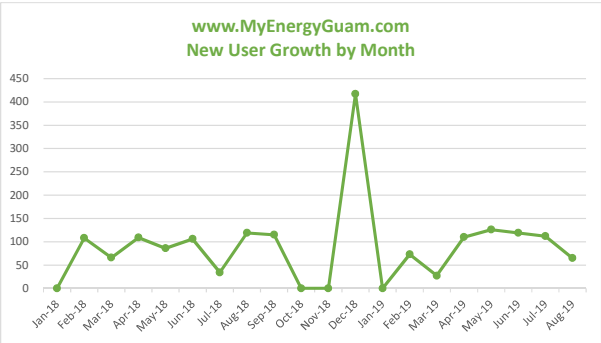
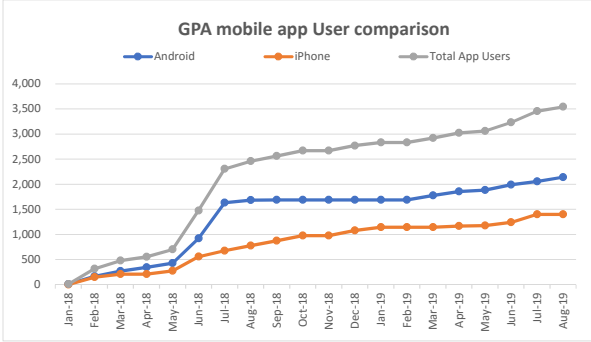
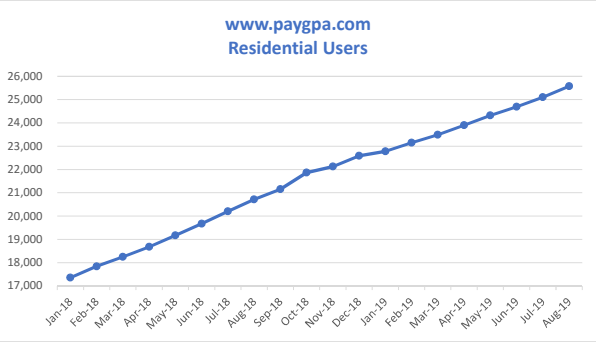
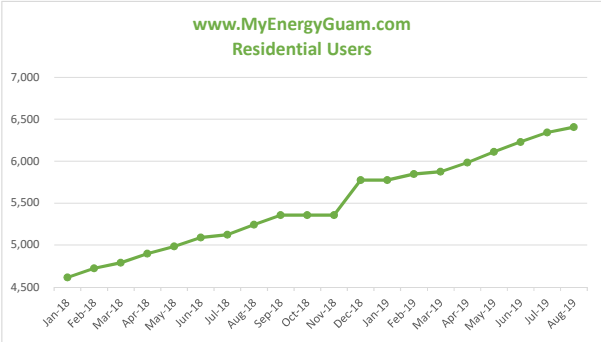
*Visit (V) type customer contact may have more than one reason code applied in JDE Customer Login Service Tracking System.

Duration of wait time for "Visit (V)" type customer contact	Fadian	%	Hagatna	%	Tumon	%
Less than 10 minutes	753	43%	1,400	78%	1,567	70%
10-15 minutes	208	12%	201	11%	287	13%
16-30 minutes	404	23%	165	9%	306	14%
More than 30 minutes	371	21%	32	2%	90	4%
Total "Visit (V)" customers contacts	1,736		1,798		2,250	



Guam Power Authority

Customer Service Division
Online resources usage and growth - Residential Users
as of 08/31/2019

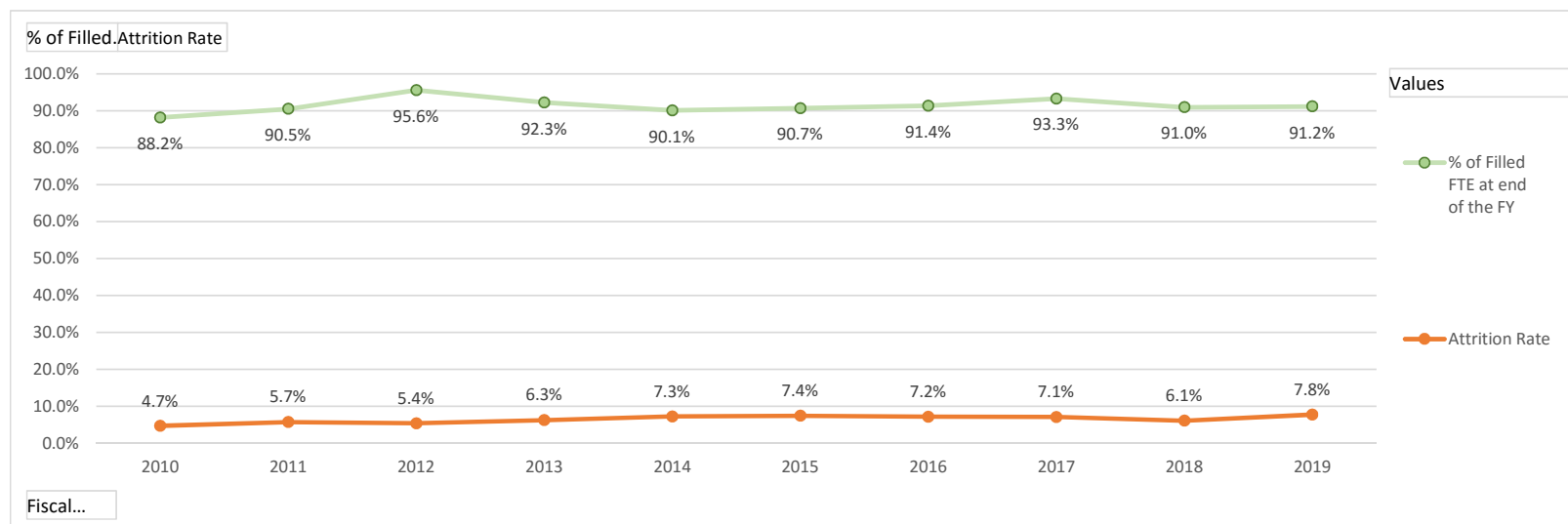


Guam Power Authority

Human Resources Division

FY 2019 Recruitment Analysis

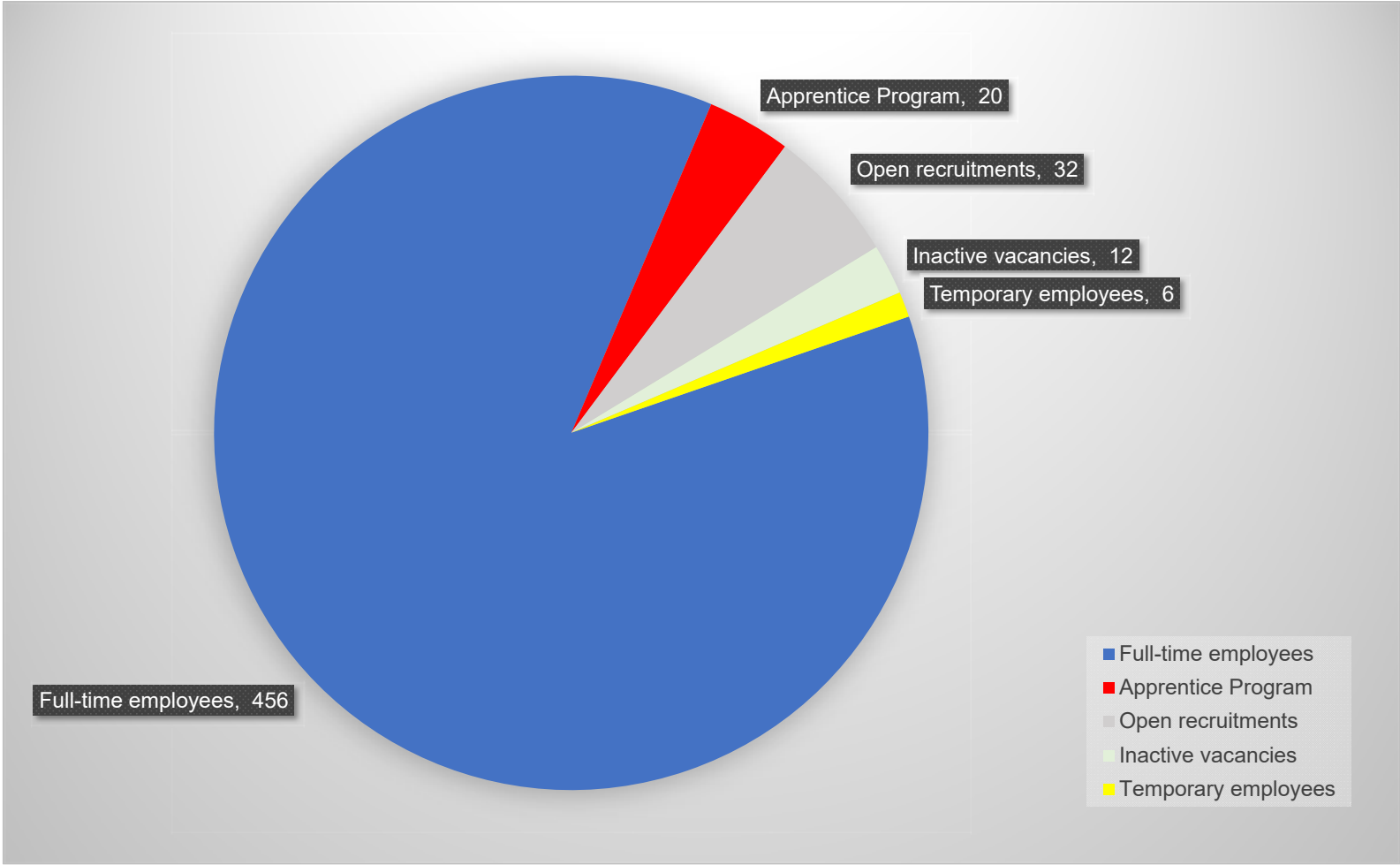
as of August 31, 2019



Fiscal Year	New Hire	Promotion	Termination	Death	Resignation	Retirement	Attrition Rate	Total Authorized FTE	Total Filled FTE at end of the FY	% of Filled FTE at end of the FY
2010	13	20	0	1	12	12	4.7%	592	522	88.2%
2011	44	23	4	0	14	12	5.7%	592	536	90.5%
2012	36	24	1	2	19	7	5.4%	568	543	95.6%
2013	15	26	1	3	14	16	6.3%	568	524	92.3%
2014	26	27	1	0	13	24	7.3%	568	512	90.1%
2015	15	25	2	1	19	16	7.4%	539	489	90.7%
2016	12	20	3	1	15	16	7.2%	510	466	91.4%
2017	42	15	0	1	13	19	7.1%	510	476	93.3%
2018	17	16	0	3	15	11	6.1%	510	464	91.0%
2019	28	19	3	3	16	14	7.8%	500	456	91.2%

Guam Power Authority

Human Resources Division
FY 2019 Staffing Report
as of August 31, 2019



Guam Power Authority

Human Resources Division

FY 2019 Staffing Report

as of August 31, 2019

Department / Division / Program	Prior Month Employee Count	Current Month Employee Count	No. of Vacancies Prior Month	No. of Vacancies Current Month	Total Staffing
Assistant GM - Administration	2	2	-	-	2
Assistant GM - Engineering & Technical Services	1	1	-	-	1
Assistant GM - Operations	2	2	-	-	2
Consolidated Commission on Utilities Board	2	2	-	-	2
Customer Service	31	31	3	3	34
Engineering	38	38	1	1	39
Facilities	9	9	-	-	9
Finance	42	42	2	2	44
General Manager (GM)	4	4	-	-	4
Generation	118	118	12	12	130
Human Resources	9	9	1	1	10
Information Technology	15	15	1	1	16
Internal Audit / Revenue Protection	3	3	-	-	3
Planning and Regulatory	8	8	-	-	8
Power System Control Center	25	24	2	3	27
Procurement	18	18	4	4	22
Public Information Office	2	2	-	-	2
Safety	6	7	1	-	7
Strategic Planning and Operations Research Division	10	10	1	1	11
Transmission and Distribution	102	101	14	15	116
Transportation	10	10	1	1	11
Total full-time permanent employees	457	456	43	44	500
Apprenticeship Program	20	20	-	-	20
JOBS Program / GETP / SCSEP*	-	-	-	-	-
Summer Engineering Internship Program	9	1	-	-	1
Temporary hires (Public Law 34-116)	5	4	-	-	4
Work Experience Program	1	1	-	-	1
Total contractual / temporary employees	35	26	-	-	26
Work Force Grand Total	492	482	43	44	526

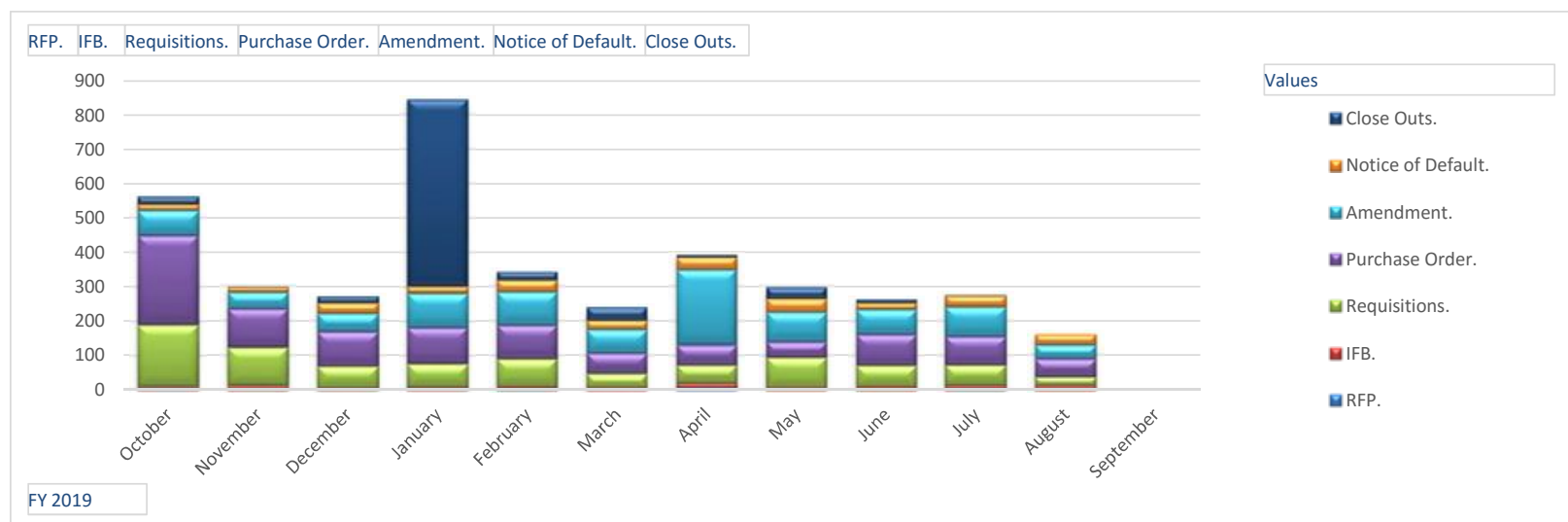
*Job Opportunities & Basic Skills (JOBS) Program, Guam Employment & Training Program (GETP), Senior Community Service Employment Program (SCSEP)

Guam Power Authority

Procurement Division

FY 2019 GPA Buyer's Monthly Report

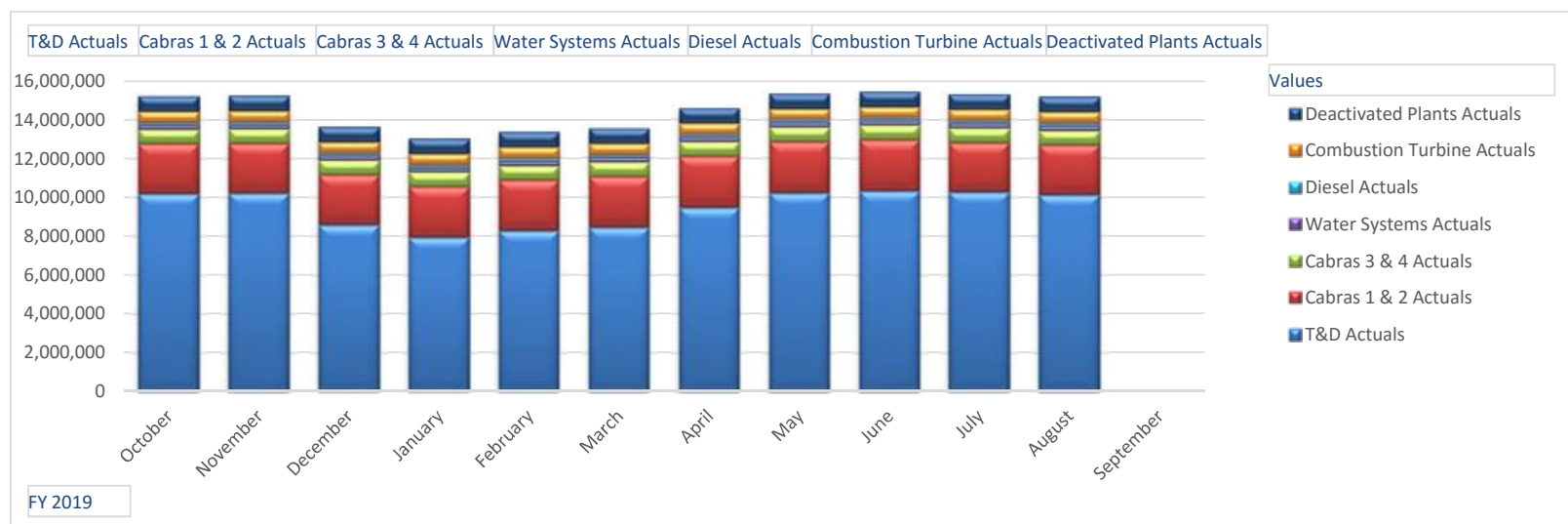
as of 8/31/2019



FY 2019	RFP	IFB	Requisitions	Purchase Order	Amendment	Notice of Default	Close Outs
October	2	7	180	260	72	18	23
November	1	11	110	112	47	15	1
December	1	5	63	99	52	30	19
January	1	8	67	106	99	20	543
February	3	6	81	97	96	34	25
March	0	7	40	59	68	26	39
April	6	14	52	58	217	37	6
May	0	6	88	45	85	39	33
June	0	9	62	90	72	19	10
July	2	12	59	82	85	32	2
August	0	12	26	51	39	30	0
September							

Guam Power Authority

Procurement Division
FY 2019 GPA Inventory Actuals
as of 08/31/2019

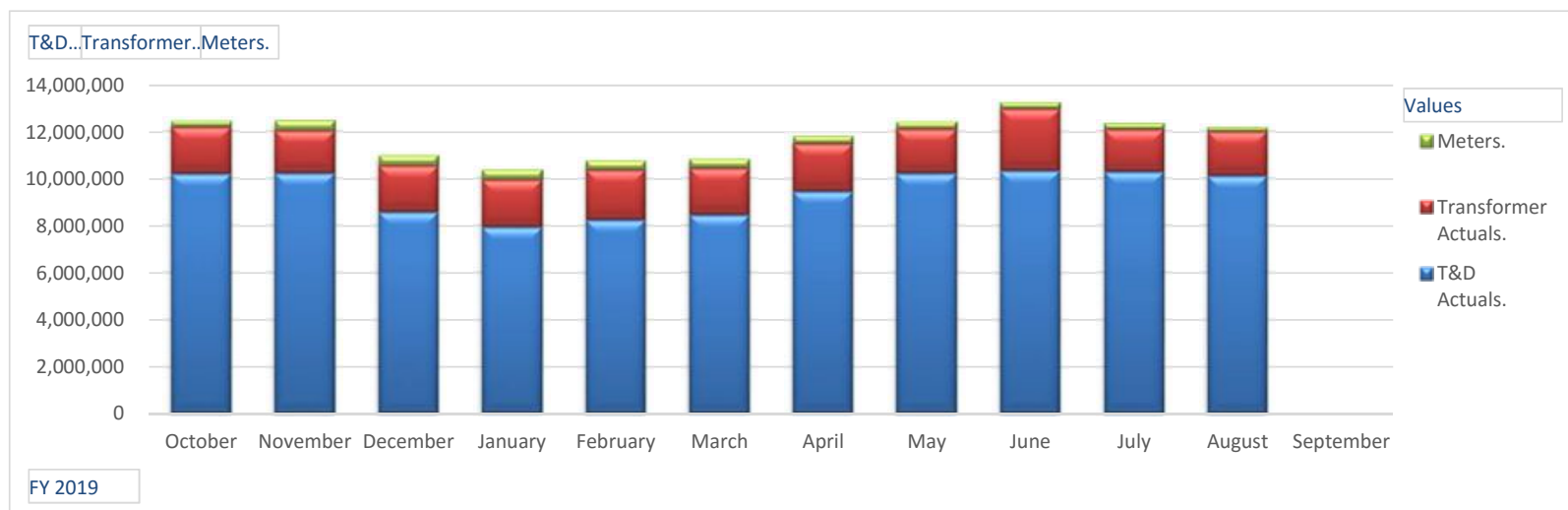


FY 2019	T&D Actuals	Cabras 1 & 2 Actuals	Cabras 3 & 4 Actuals	Water Systems Actuals	Diesel Actuals	Combustion Turbine Actuals	Deactivated Plants Actuals
October	10,192,560	2,576,234	747,186	205,212	146,311	575,635	790,114
November	10,212,445	2,574,016	747,186	219,148	146,311	575,635	790,114
December	8,581,316	2,582,779	747,186	221,514	144,680	575,635	790,114
January	7,923,172	2,614,746	747,186	223,659	144,680	575,635	790,114
February	8,260,305	2,615,482	747,186	224,309	144,680	575,635	790,114
March	8,435,835	2,613,717	747,674	232,164	144,680	574,489	788,968
April	9,458,745	2,634,422	747,674	230,236	144,680	573,623	788,101
May	10,217,712	2,640,723	747,587	238,396	144,683	573,623	788,101
June	10,331,617	2,637,035	747,587	240,915	144,680	573,375	788,101
July	10,272,739	2,547,074	747,587	240,126	144,680	573,330	788,101
August	10,110,637	2,574,558	747,587	239,171	144,680	573,330	788,101
September							

Guam Power Authority

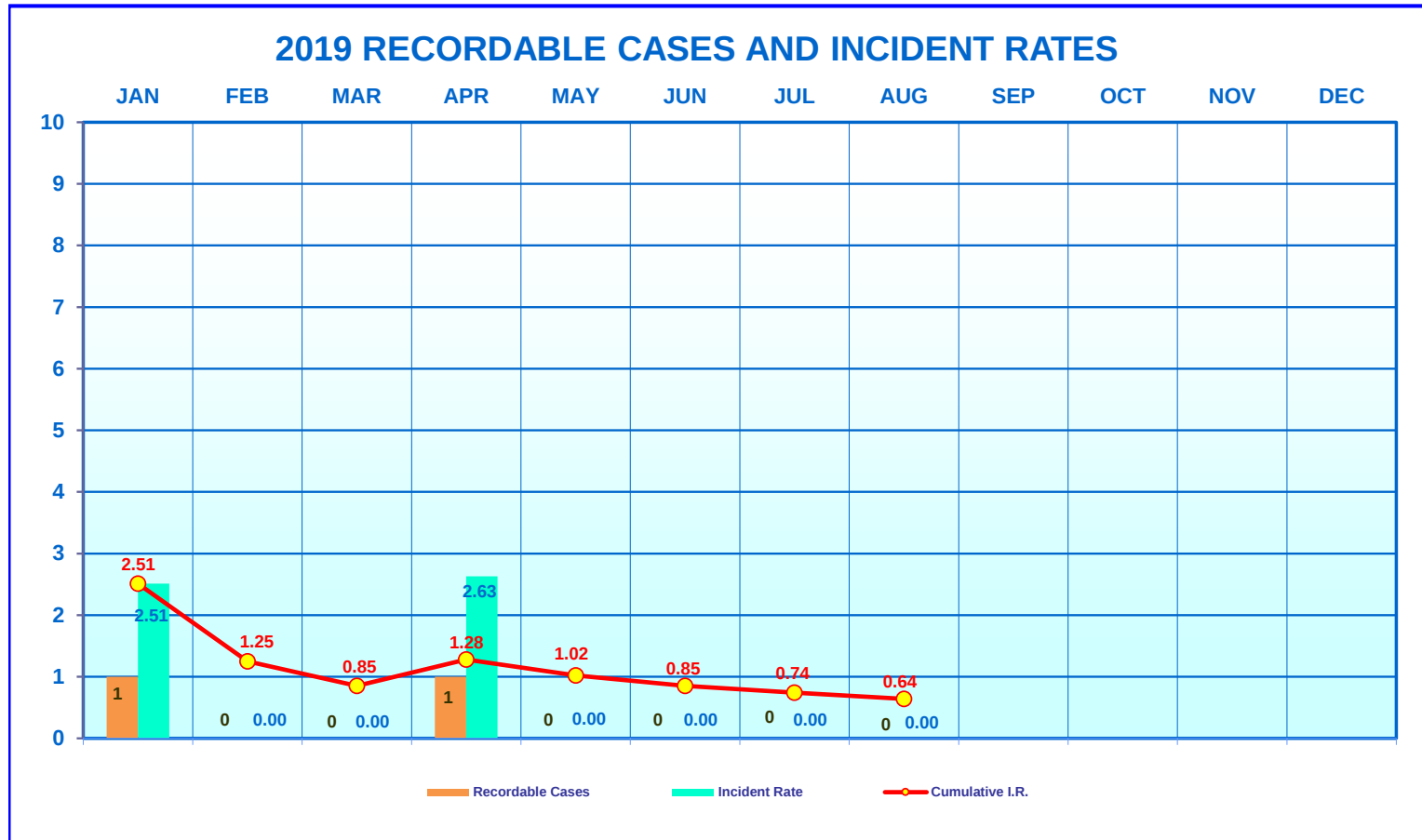
Procurement Division

FY 2019 Transmission and Distribution (T&D) Inventory Actuals as of 08/31/2019



FY 2019	T&D Actuals	Transformer Actuals	Meters
October	10,192,560	1,992,628	263,348
November	10,212,445	1,814,087	445,204
December	8,581,316	1,973,234	452,004
January	7,923,172	2,020,094	430,380
February	8,230,305	2,138,182	405,900
March	8,435,835	1,992,878	397,740
April	9,458,745	2,041,378	332,460
May	10,217,712	1,879,987	325,660
June	10,331,617	2,637,035	277,964
July	10,272,739	1,802,361	268,948
August	10,110,637	1,881,402	190,612
September			

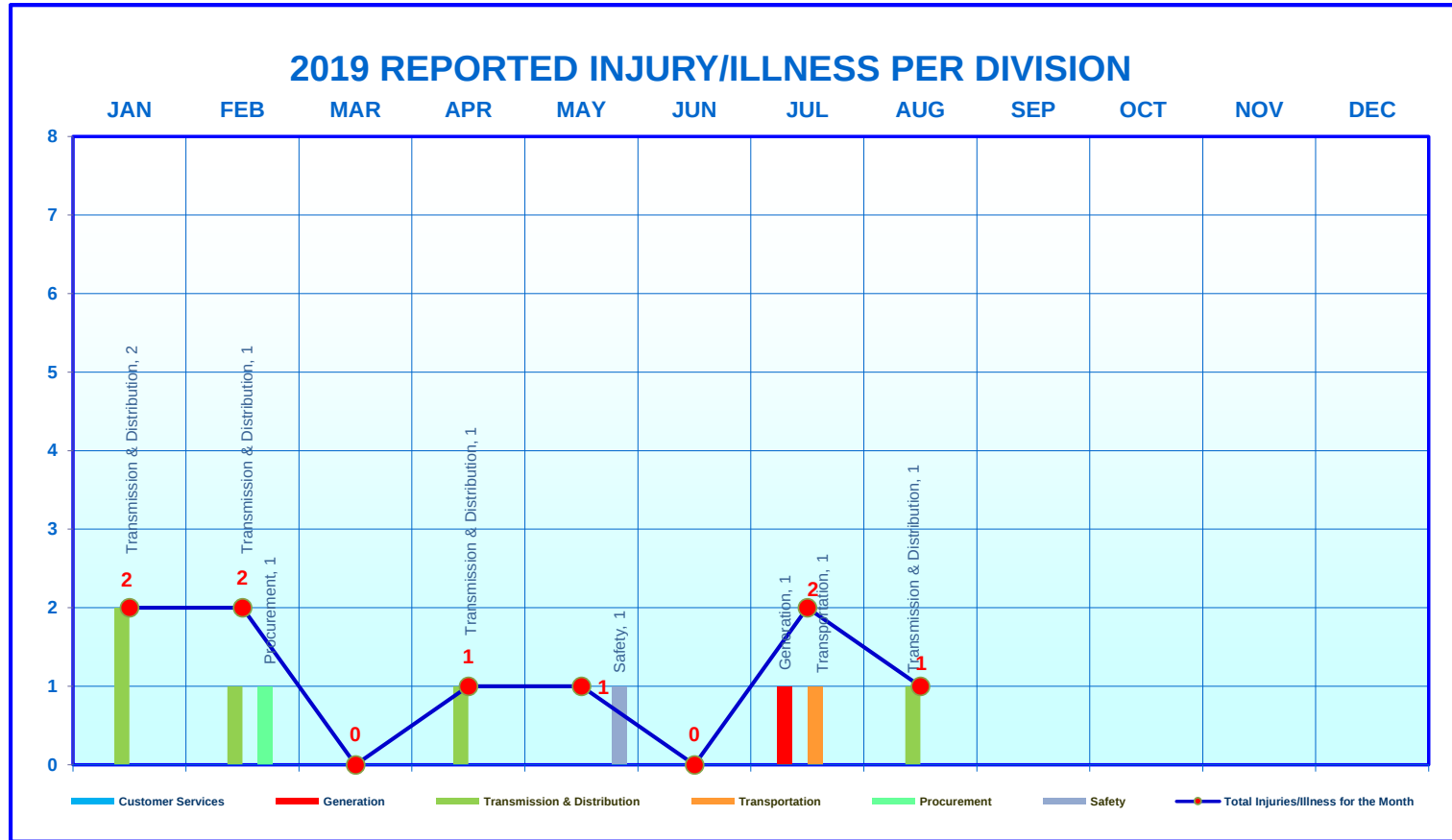
SAFETY DIVISION MONTHLY REPORT



Total Case Incident Rates = (# recordable cases x 200,000 hours) / # total annual work hours

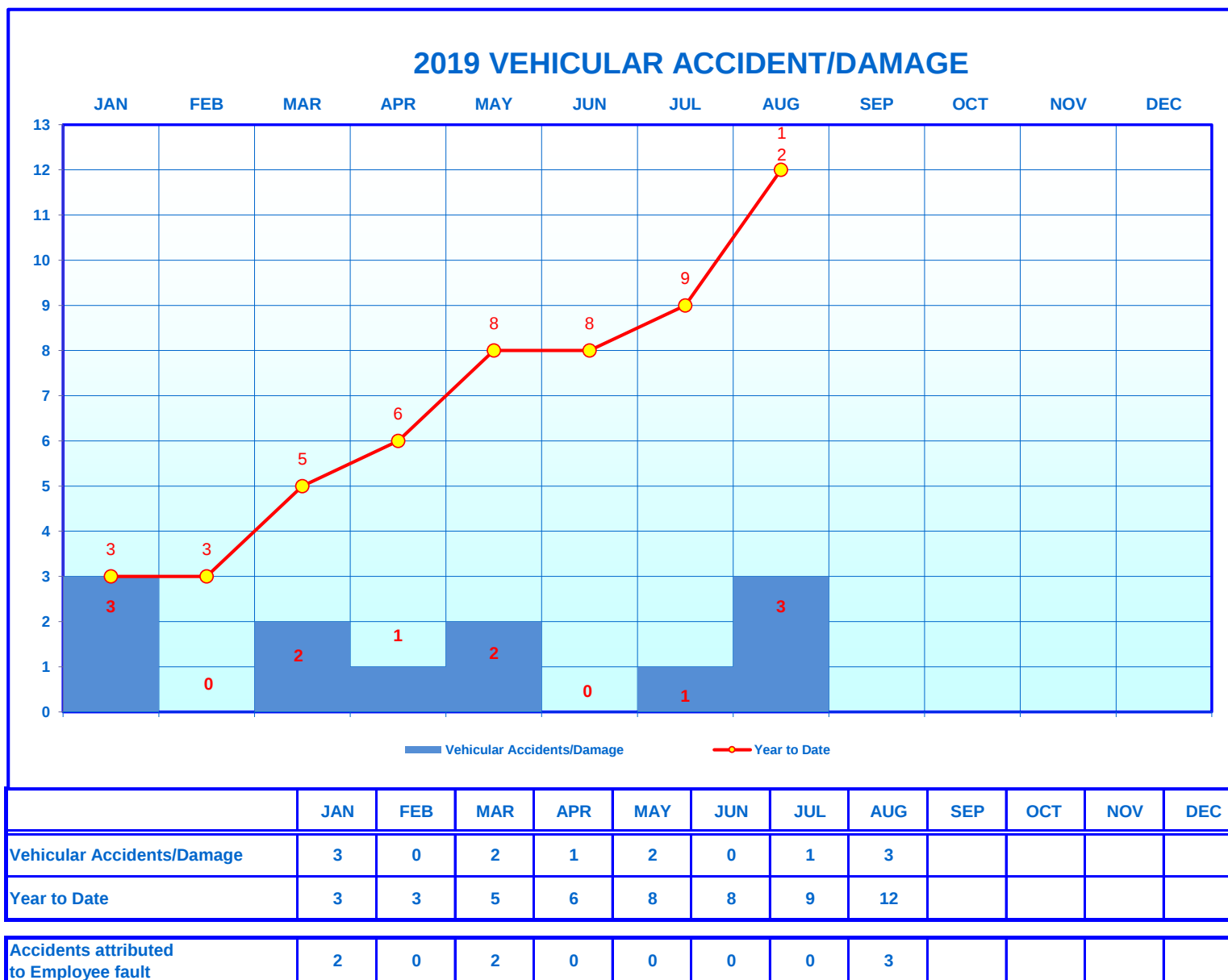
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Recordable Cases	1	0	0	1	0	0	0	0				
Incident Rate	2.51	0.00	0.00	2.63	0.00	0.00	0.00	0.00				
Cumulative I.R.	2.51	1.25	0.85	1.28	1.02	0.85	0.74	0.64				

SAFETY DIVISION MONTHLY REPORT



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Customer Services												
Generation							1					
Transmission & Distribution	2	1		1				1				
Procurement		1										
Transportation							1					
Safety					1							
Total Injuries/Illness for the Month	2	2	0	1	1	0	2	1				

SAFETY DIVISION MONTHLY REPORT



E&TS Divisional Report Summary

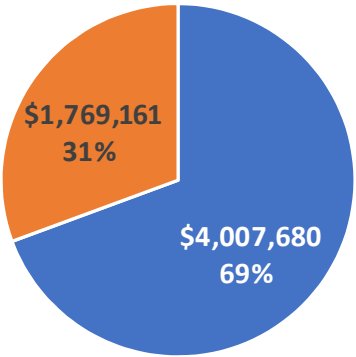
September 13, 2019

Contents

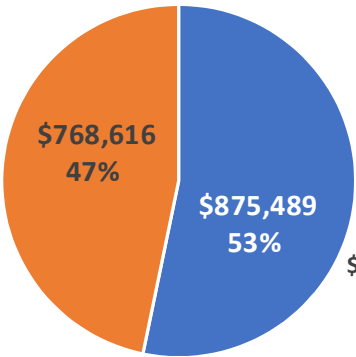
- E&TS Budget Execution Performance
 - O&M Contract Budget
 - CIP Budget
 - DSM Budget
- Environmental Compliance (SPCC and BMP Inspections)

E&TS Budget Execution Performance

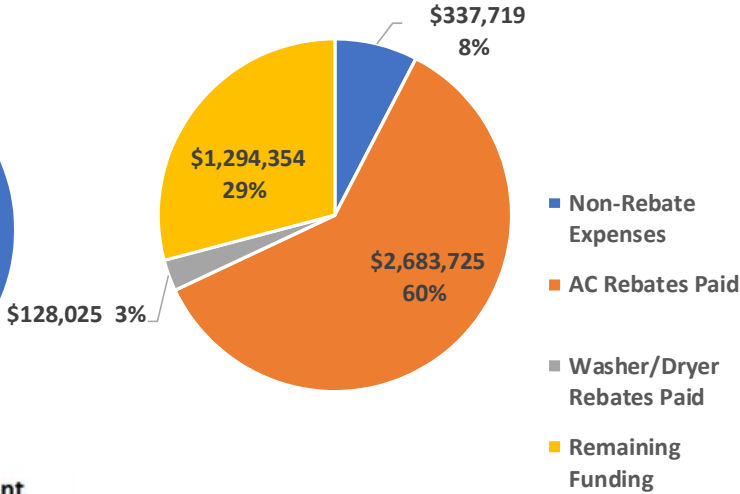
E&TS O&M Contract Budget



E&TS CIP Budget



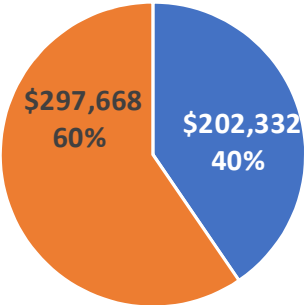
DEC 2015 to JUN 2019 DSM EXPENSE SUMMARY



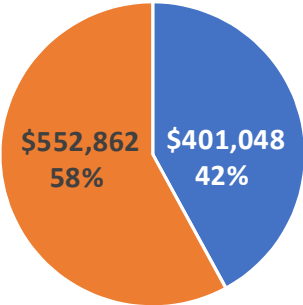
- Obligated/Spent
- Remaining Balance

- Non-Rebate Expenses
- AC Rebates Paid
- Washer/Dryer Rebates Paid
- Remaining Funding

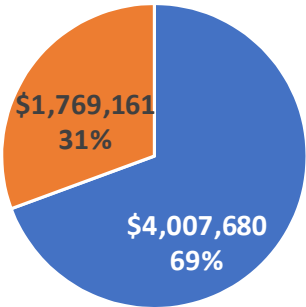
ENG O&M Contract Budget



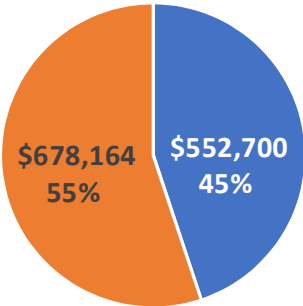
SPORD O&M Contract Budget



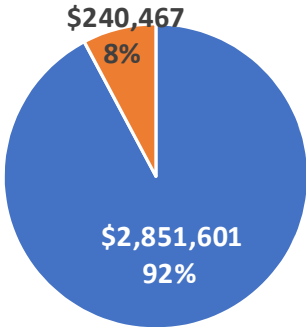
E&TS O&M Contract Budget



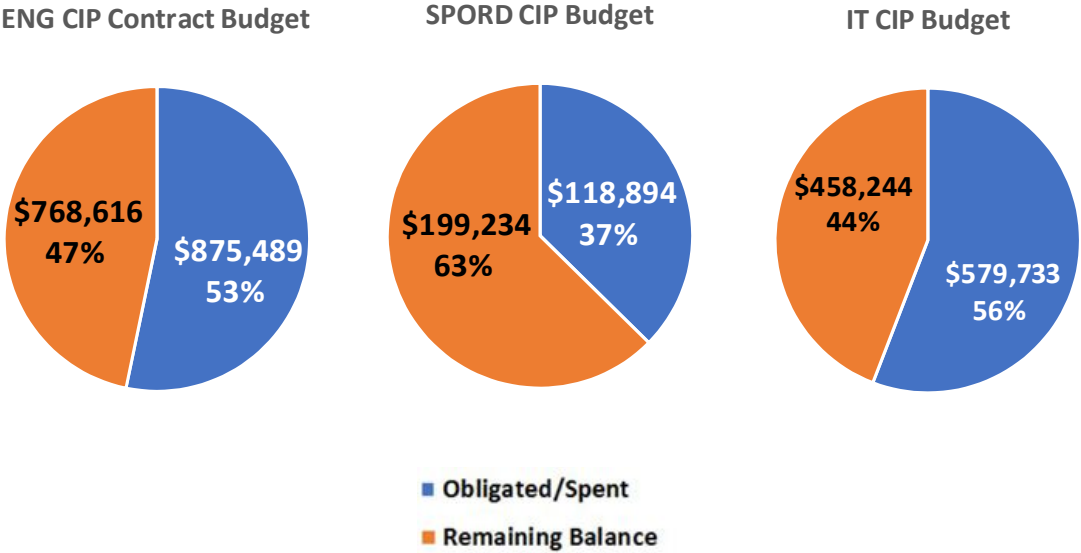
P&R O&M Contract Budget



IT O&M Contract Budget



■ Obligated/Spent
■ Remaining Balance



FY 2019 Procurement Status

Business Unit	Current Type					Current Status			Planned			
	RFP	Bid	Multistep Bid	Total	Resolicited	QBL Established	Evaluation Completed	Award/NTP	RFP	Bid	Multistep Bid	Total
SPORD	8		4	12			7		2		4	6
Engineering	3	24		27			7	7	2	10		12
SPORD/Engineering				0								0
IT	3			3			1		3			3
P&R		2	3	5		2	2	2			2	2
Total	14	26	7	47	0	2	17	9	7	10	6	23

Environmental Compliance

P&R Inspections Status Ending July 31, 2019

Inspection Type	Organization Responsibility	Violations Not Remediated	Number
Spill Prevention, Control, and Countermeasure (SPCC)	Generation	New Violation Notifications Issued	7
		Remediations Past Due	19
		Remediations Not Past Due	0
	T&D	New Violation Notifications Issued	3
		Remediations Past Due	2
		Remediations Not Past Due	0
Best Management Practices (BMPs)	Generation	New Violation Notifications Issued	0
		Remediations Past Due	0
		Remediations Not Past Due	0

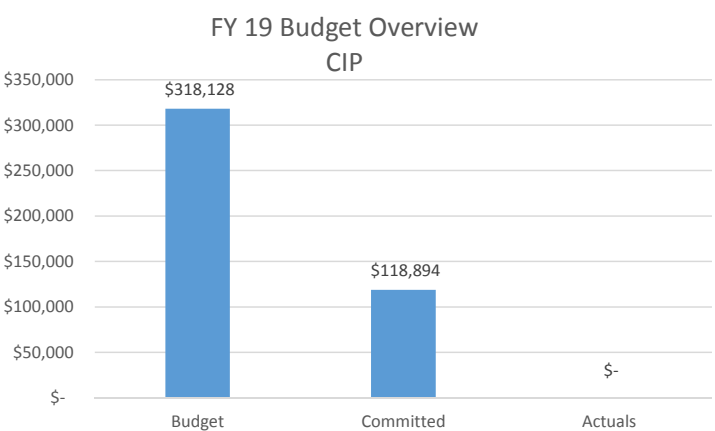
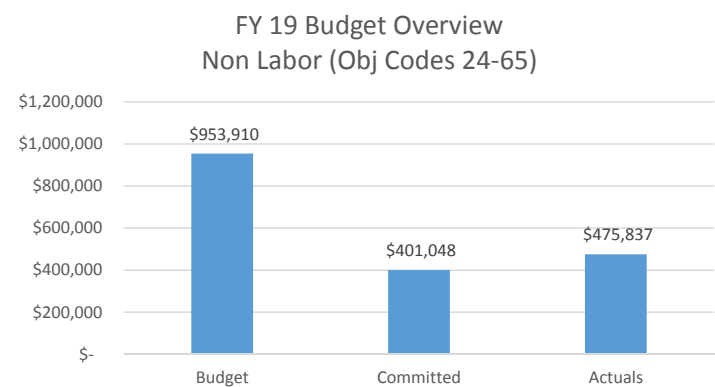
- SPCC rule purpose is to help facilities prevent oil discharges into navigable waters or adjoining shorelines
- BMP refers to a type of auxiliary pollution controls in the fields of industrial wastewater control and municipal sewage control, storm water management, and wetland management

SPORD CCU Report

Update thru August 31, 2019

SPORD FY 2019 Budget Status

thru August 31, 2019



**Excludes DSM & Major Contracts (IPP, PPA, Fuel)*

SPORD FY 2019 Budget Status

- Major Contracts (Non-O&M) thru August 2019

	Budgeted Amount	Committed Amount	Actuals	PO Balance
Aggreko Contract	\$ 12,822,000	\$ 12,703,831	\$ 11,400,244	\$ 1,303,587
Fuel Contracts	\$ 272,011,115	\$ 260,535,571	\$ 194,204,584	\$ 66,330,988
MEC IPP (Piti 8&9)	\$ 21,183,000	\$ 17,962,570	\$ 16,124,950	\$ 1,837,619
NRG Contract (Renewable)	\$ 10,463,361	\$ 10,178,157	\$ 8,910,842	\$ 1,267,315

SPORD FY 2019 Budget Status

Demand Side Management

Description	FY16	FY17	FY18	FY19 thru 8/31/19*	Total to Date
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$46,941.11	\$106,667.74
Other Contractual	\$28,278.50	\$85,550.05	\$116,977.50	\$3,025.00	\$233,831.05
Ads & Radio Announcements	-	-	-	\$7,500.00	\$7,500.00
Paid Rebates-Split AC	\$154,700.00	\$557,275.00	\$1,349,825.00	\$1,041,375.00	\$3,103,175.00
Paid Rebates- Central AC	\$3,400.00	\$8,200.00	\$4,400.00	\$5,500.00	\$21,500.00
Paid Rebates- Washer/Dryer	\$2,800.00	\$7,425.00	\$57,200.00	\$85,000.00	\$152,425.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,189,341.11	\$3,625,098.79
Bank Interest (+)	\$1,676.42	\$1,722.74	\$1,222.29	\$688.32	\$5,309.77
Bank Fees	\$155.00	\$1,032.06	\$1,085.08	\$345.00	\$2,617.14
Ending Balance					\$722,796.84

- Expenses for August 2019 are preliminary and may be subject to adjustment during reconciliation process.

Ongoing Activities

- Contract Performance Management (IPP, Agrekko)
- Generation Fuel Supply & Fuel Farm Management
- DSM Rebate Processing & UESC Program
- Renewables (Wind Turbine Maint & DOAg MOA, GPS Invoicing, Phase II Projects)
- New Power Plant Procurement
- Smart Grid/Network Support
- Project Management
 - Procurement
 - *August Project Activities*

PROCUREMENT ACTIVITIES**PENDING AWARD / NTP**

Responsible	PROJECT	Description	CCU Date Approved (Resolution No.)	PUC Date Approved (Docket No.)	Projected Start*	Projected Completion	Status
SPORD (RAC)	PLANNING	MV90 Integration Services		*not required*	TBD	TBD	Contract Negotiations
SPORD (RAC)	PLANNING	Milsoft Systems Software Services		*not required*	Aug 2019	Aug 2019	Engineering Analysis Training Completed - August 2019 Outage Management System/Calls Manager/ Texting - Training September 2019
SPORD (LOS)	STUDIES	Power System Analyses and Studies			TBD	TBD	Pending Scope & Proposal for initial tasks
SPORD (RAC)	SCADA	DNP3 SA training			TBD	TBD	Price Negotiations Ongoing
SPORD (RAC)	SMARTWORK SYSTEMS	Smartworks Systems Software Services		RFP-19-007	Feb-19	4/11/2019	Price Negotiations Ongoing
SPORD (FJI)	NEW POWER PLANT	Build, Operate & Transfer Contract for 120-180MW of New Generation Capacity.	09/03/19 (2019-13)	Pending	11/1/2019	10/31/2022	CCU approved on 9/3/19. Petition submitted for PUC approval for Oct '19 PUC Meeting.
SPORD (ANF)	FUEL	Supply of Diesel Fuel Oil No. 2	07/23/19 (2019-10)	8/29/19 (Docket 19-12)	1/1/2020	12/31/21 (2 Yr Base)	

PROCUREMENT ACTIVITIES

ONGOING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (JTL)	RENEWABLES	Renewable Energy Resource Phase III	MS Bid	GPA-007-18	11/16/2017	9/12/2019 (Price)	10 Price Proposals received, commenced evaluation.
SPORD (MAT)	FUEL / OPERATIONS	Handling and Hauling of GPA Used Oil and Supply of GPA Used Oil Meeting GPA Specifications	MS Bid	GPA-118-18	Sep-18	10/31/2019	Further extensions, to accommodate deadline for Taskforce Report which may potentially impact bid requirements.
SPORD (MAT)	SPORD Software	Planning & Optimization Software	RFP	RFP-19-004		TBD	Finalizing bid requirements & may change from RFP to IFB.
SPORD (RAC)	STUDIES	Consulting Services for Distribution Study using Smart Grid Analytics	RFP	RE-SOLICITATION RFP-19-002	Feb-19	3/28/2019	Evaluation ongoing (3 vendors)
SPORD (RAC)	Tier 2 Network	ABB TropOs Network Services	RFP	Pending	TBD	TBD	Pending Announcement

DEVELOPING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Projected Start	Projected Completion	Status
SPORD (RAC)	ELECTRIC VEHICLE	Electric Vehicle Infrastructure	RFP	Oct-19	Jun-20	Developing Requirements (hold)
SPORD (ANF/MAT)	FUEL	GPA Bulk Fuel Storage Facility PMC	Bid	FY2019	Jun-20	Developing Specifications to convert to PMC
SPORD (LOS)	WIND TURBINE	Wind Turbine O&M Supervision and Materials	RFP	FY2019	FY2019	Developing RFP documents
SPORD (ANF)	FUEL	Bulk ULSD Supply	Re- Bid	FY2019	Feb-20	Developing/revising specifications
SPORD (ANF)	FUEL	WSD ULSD Supply	Re- Bid	FY2019	Mar-20	Developing/revising specifications
SPORD (ANF)	FUEL	Petroleum Testing Services	Re- Bid	Oct-19	Mar-20	Developing/revising specifications

No.	Project Description	August 2019 Activities	Status / Est. Completion	RFP/Bid No
1	Energy Storage System (Phase I)	Final design completed. Clearing and grading permit work commenced in November 2017. Foundation permit work commenced in January 2018. Construction is 87% completed.	Oct 2019	MS Bid GPA-082-15
2	Renewable Energy Resource Phase II	On-going review for KEPCO-LGCNS substation design drawings for permitting. KEPCO requested COD extension due to delay in getting Project ITC. Hanwha working on interconnection scope and design. Hanwha submitted their Lenders Letter of Intent (LOI). Apra land owners approved the land acquisition.	KEPCO PV plant COD is extended to January 21, 2022. Hanwha's COD is also extended to Aug 22, 2022.	MS Bid GPA-070-16
3	New Power Plant Bid (EPCM)	GPA has completed contract (ECA) negotiations with KEPCO. ECA submitted and approved by CCU. KEPCO's EPC subcontractor performing site assessment.	Projected Award (2019 Q3) COD (2022 Q2)	MS GPA-034-18
4	DSM Marketing	No additional activities funded for remaining of the year.	Continuous	
5	DSM Rebate Program	Processed about 627 applications for rebates totaling ~ \$190k	Continuous	
6	Wireless Network Expansion	Commenced Southern Expansion in collaboration with GWA: 30% Router Equipment and Accessories purchase Preparing next router order and installation documents	Dec-18 June 2019 October 2019	GPA-019-18
7	Electric Grid Analysis Software	Training on Planning and Analysis Cases Software Upgrade completed and access restored to employees	Aug-19 May-19	GPA-064-16
8	GDOE BEST Schools	Pilot Project: Carbullido Elementary School & Lighting Grant Project: Southern High and George Washington High - retrofit activities 90% complete as of end of July - Audit check walk-throughs for Southern HS 70% complete, for George Washington HS 30% complete, and Carbullido ES 85% complete	Lighting Installations: Southern HS: 08/09/2019 GWHS: 08/04/2019 Layouts, Audit Check & Substantial Completion: 08/31/2019 Close-Out: 09/30/2019	GPA-RFP-16-013

GPA Work Session - September 19, 2019 - DIVISION REPORTS

No.	Project Description	August 2019 Activities	Status / Est. Completion	RFP/Bid No
9	Supervisory Control and Data Acquisition (SCADA) System	Project Substantially completed	Feb 2019 (Punchlist items by Sept 2019)	GPA-066-16
10	Mobile Workforce Management System	Initiated kickoff meetings. Developing workscope and deliverables	Mar-20	GPA-023-17
11	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	Evaluation ongoing (3 vendors)	AUG 2019 (Contract Award)	RE-SOLICITATION GPA-RFP-19-002
12	MEC Piti & #8 and #9 - ECA Extension	Contract Extension commenced 12:00 Noon January 29, 2019. (No issues) Need to request PUC approval for Retrofit to ULSD ASAP, to be able to start planning and procurement.	IN PROGRESS	
13	Generation Software (GADS open software)	Pending data entry from Generation & SPORD.	(PENDING)	
14	EV Infrastructure	Fast charge station scope for Mangilao offices. Developing fast charge station scope for Mangilao offices.	6/1/2019	
15	Renewable Energy Resource Phase III	Completed Step I evaluations. Step II evaluations commenced Sept. 10, 2019.	9/10/2019 Price Proposal Due	GPA-007-18
16	Utility Energy Services Contract (UESC)	Continued work with GDOE on Best Schools Program (Grant & Pilot) Continued discussions with Navy, KenCorp, Bank of Guam, UOG on potential scope.	Ongoing	
17	IFB for RFO Supply to Baseload Plants	Completed. 2-year Contract to commence on Dec 1, 2018 and will expire on August 31, 2020 with 3-1 year extension options	Completed	IFB GPA-009-18
18	GPA Fuel Farm RFO Pipeline Repair & Upgrade	c/o Engineering Project Mgt.	Project Implementation in progress. Estimated completion: FY 2019	IFB GPA-047-18
19	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt. Solicitation for Contractor(s) services in progress. Recommendation for award approved by CCU & PUC. For Final processing by Procurement.	Project Timeline: Estimated Start: October 2019 Est. Completion: Feb 2020	IFB GPA-027-19

GPA Work Session - September 19, 2019 - DIVISION REPORTS

No.	Project Description	August 2019 Activities	Status / Est. Completion	RFP/Bid No
20	Tk 1934 & Tk1935 API 653 Internal Inspection	c/o Engineering Project Mgt. Solicitation for Contractor(s) services in progress. Recommendation for award approved by CCU & PUC. For Final processing by Procurement.	Project Timeline: Estimated Start: Oct 2019 Est. Completion: Feb 2022	IFB GPA-028-19
21	Milsoft Systems Software Services	Engineering Analysis Training Completed - August 2019 Outage Management System/Calls Manager/ Texting - Training September 2019	Continuous	GPA-RFP-18-003
22	MV90 Integration Services	Contract Negotiations	Jun-19	GPA-RFP-18-001
23	Grant Support	Continued grant development and execution. Initiated Kickoff meeting for project start in July. 1. Execution of GW & Southern HS Lighting Retrofit with Siemens (UESC Partner) 2. Guam Energy Office EnergySmart School Grant finalizing scope and MOU 3. Development & Submittal of USDA Revolving Loan Grant 4. Development & Submittal for Dept of Interior Energizing Insular Communities (EIC) Grant. 14 proposals submitted July 31, deadline	1) Close out: 09/30/19 2) GEO MOA Finalize: Sept '19 Grant Scope Completion: Dec. '20 3) Pending announcement 4) September 2019 (Award Announcement)	
24	Redesignation of Cabras-Piti / Guam	Re-designation received 12/2018. P&R leading SIP Modeling, SIP draft, with TRC assistance. SPORD standing by for support. AAQM Installation/Implementation on hold, will depend on USEPA approval of SIP. SIP being finalized, to be submitted to Guam EPA 10/5/2019.	Start: October 2011 Est. Completion: July 2019 *Submitted to EPA by completion date; approval of SIP will come later.	RFP-11-001
25	Environmental Strategic Planning	Final Plan distributed to Executive Management and key managers. Will start work on recommendations.	Start: April 2018 Completed: Feb 2019	RFP-11-001
26	GPA Fuel Farm- OWS Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Recommendation for award approved by CCU & PUC. For Final processing by Procurement.	Project Timeline: Estimated Start: Oct 2019 Est. Completion: Feb 2022	IFB GPA-028-19
27	GPA Fuel Farm- LD System Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Recommendation for award approved by CCU & PUC. For Final processing by Procurement.	Project Timeline: Estimated Start: Oct 2019 Est. Completion: Feb 2022	IFB GPA-028-19
28	MSB for Supply of Reprocessed Waste Oil Meeting GPA's ULSD Specifications	Multi-step Bid for the Supply of Reprocessed Waste Oil Meeting GPA's ULSD Specifications. Supplier will haul Waste Oil from GPA WOF, reprocess waste oil to meet GPA's ULSD Specifications, and supply to designated GPA Power Plants	Announced : Sept 19 2018 Est. Award: December 2019	MS GPA-118-18

GPA Work Session - September 19, 2019 - DIVISION REPORTS

No.	Project Description	August 2019 Activities	Status / Est. Completion	RFP/Bid No
29	IFB for MEC Waste Oil Hauling	Bid for the Hauling of MEC Waste Oil.	COMPLETED. Contract commenced 9/1/2019.	GPA-019-19
30	Energy Storage Development Support	Consultant preparing proposal for third-party commissioning services	Sept/Oct 2019	GPA-RFP-13-007
31	Wind Turbine Maintenance Supervision and Materials	Consultant to supervise turbine repairs & replacement parts.	Oct-19	Sole Source
32	Planning Software Contract	Procurement of Planning Software, including installation, design, implementation, training and consulting services. No bids received. Finalizing change to bid specifications & may change from RFP to IFB.	TBD	RFP-19-004
33	Strategic Planning	On-going discussions for final & detailed SOW with consultant. (c/o Finance Contract w/ Mark Beauchamp)	Estimated Start: TBD Est. Completion: TBD	
34	Power System Analyses and Studies	S&C selected as most qualified proponent. Cost proposal for initial task submitted by S&C is pending clarification.	Estimated Start: TBD Est. Completion: Sept 2019	

CCU Report- DSM

As of August 31, 2019

All Expenses – Fiscal Year

Description	FY16	FY17	FY18	FY19 thru 8/31/19*	Total to Date
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$46,941.11	\$106,667.74
Other Contractual	\$28,278.50	\$85,550.05	\$116,977.50	\$3,025.00	\$233,831.05
Ads & Radio Announcements	-	-	-	\$7,500.00	\$7,500.00
Paid Rebates–Split AC	\$154,700.00	\$557,275.00	\$1,349,825.00	\$1,041,375.00	\$3,103,175.00
Paid Rebates– Central AC	\$3,400.00	\$8,200.00	\$4,400.00	\$5,500.00	\$21,500.00
Paid Rebates– Washer/Dryer	\$2,800.00	\$7,425.00	\$57,200.00	\$85,000.00	\$152,425.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,189,341.11	\$3,625,098.79
• Bank Interest (+)	\$1,676.42	\$1,722.74	\$1,222.29	\$688.32	\$5,309.77
Bank Fees	\$155.00	\$1,032.06	\$1,085.08	\$345.00	\$2,617.14
Ending Balance					\$722,796.84

DSM Funding

No.	Description	Amount
1	Initial DSM Budget FY 2016	\$1,806,014.00
2	Interest Income as of August 31, 2019	\$5,309.77
3	Bank Fees as of July 31, 2019	\$2,617.14
4	Additional Budget: ▪ Bond Refinance 2017 ▪ Revenue Funds FY2019	\$1,139,189.00 \$1,400,000.00
5	Total Expense as of July 31, 2019	\$3,625,098.79
	DSM Ending Balance	\$722,796.84

FY 2017- Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '16	\$ 25,250.00	\$ 23,450.00	\$ 800.00	\$ 1,000.00
NOV '16	\$ 57,525.00	\$ 55,625.00	\$ 1,600.00	\$ 300.00
DEC '16	\$ 19,625.00	\$ 18,225.00	\$ 800.00	\$ 600.00
JAN '17	\$ 49,650.00	\$ 48,050.00		\$ 1,600.00
FEB '17	\$ 43,175.00	\$ 42,850.00	\$ 325.00	
MAR '17	\$ 25,550.00	\$ 25,875.00	\$ (325.00)	
APR '17	\$ 33,875.00	\$ 30,950.00	\$ 800.00	\$ 2,125.00
MAY '17	\$ 57,675.00	\$ 54,275.00	\$ 2,400.00	\$ 1,000.00
JUN '17	\$ 76,175.00	\$ 74,675.00	\$ 1,300.00	\$ 200.00
JUL '17	\$ 30,975.00	\$ 30,975.00		
AUG '17	\$ 69,400.00	\$ 69,200.00		\$ 200.00
SEP '17	\$ 84,025.00	\$ 83,125.00	\$ 500.00	\$ 400.00
TOTALS	\$ 572,900.00	\$ 557,275.00	\$ 8,200.00	\$ 7,425.00

FY 2018- Rebate Amount Paid Monthly

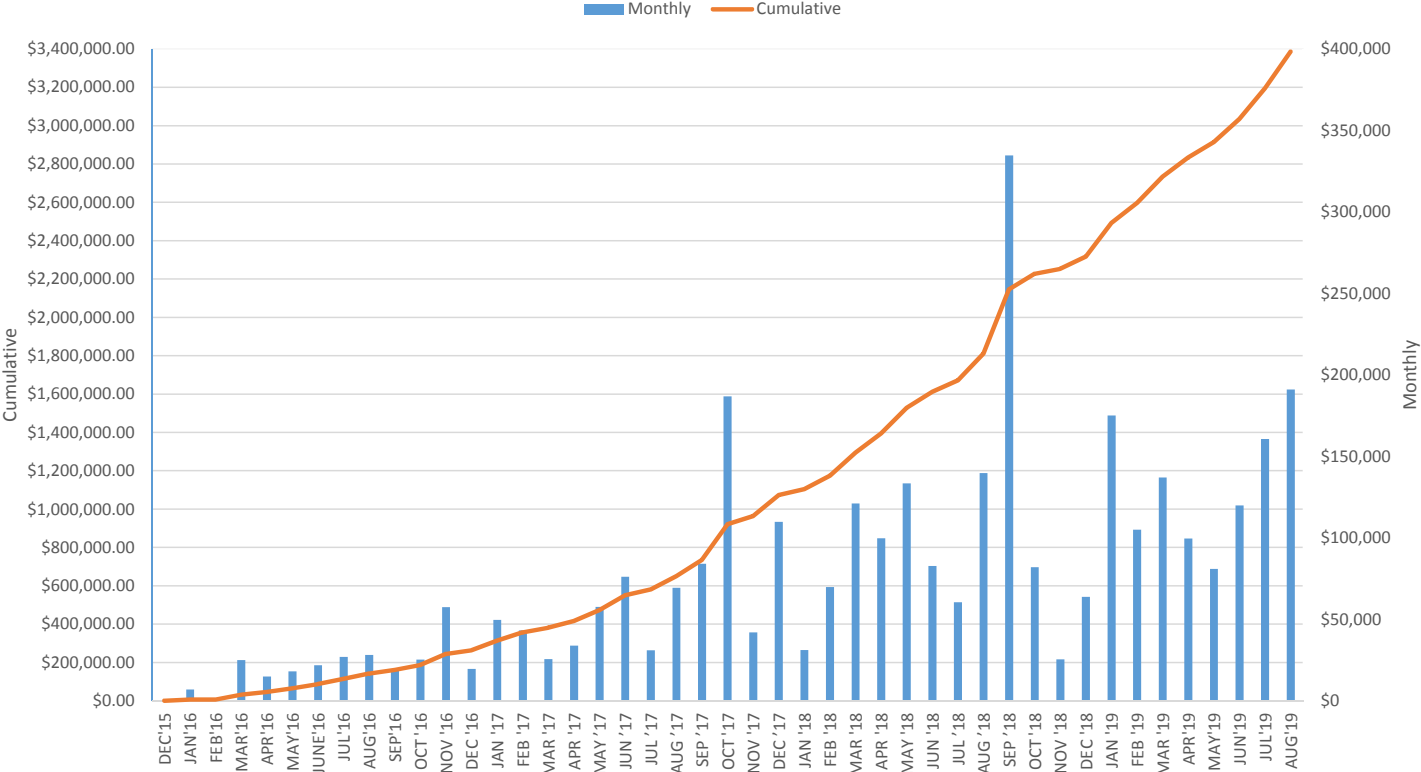
Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '17	\$186,850.00	\$185,850.00	\$800.00	\$200.00
NOV '17	\$41,900.00	\$41,700.00		\$200.00
DEC '17	\$109,875.00	\$108,475.00		\$1,400.00
JAN '18	\$31,175.00	\$31,175.00		
FEB '18	\$69,825.00	\$68,825.00		\$1,000.00
MAR '18	\$121,100.00	\$120,100.00		\$1,000.00
APR '18	\$99,700.00	\$94,400.00	\$500.00	\$4,800.00
MAY '18	\$133,350.00	\$127,150.00		\$6,200.00
JUN '18	\$82,800.00	\$77,600.00		\$5,200.00
JUL '18	\$60,475.00	\$56,475.00	\$1,000.00	\$3,000.00
AUG '18	\$139,750.00	\$129,650.00	\$1,300.00	\$8,800.00
SEP '18	\$334,625.00	\$308,425.00	\$800.00	\$25,400.00
TOTALS	\$1,411,425.00	\$1,349,825.00	\$4,400.00	\$57,200.00

FY 2019- Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '18	\$ 82,000.00	\$ 75,400.00	\$ -	\$ 6,600.00
NOV '18	\$ 25,425.00	\$ 23,425.00	\$ -	\$ 2,000.00
DEC '18	\$ 63,725.00	\$ 62,325.00	\$ -	\$ 1,400.00
JAN '19	\$ 174,550.00	\$ 157,550.00	\$ -	\$17,000.00
FEB '19	\$ 105,725.00	\$ 96,925.00	\$ -	\$ 8,800.00
MAR '19	\$ 137,025.00	\$ 119,825.00	\$3,400.00	\$13,800.00
APR '19	\$ 99,650.00	\$ 89,250.00	\$ -	\$10,400.00
*	\$ (111,225.00)	\$ (102,825.00)		\$ (8,400.00)
MAY '19	\$ 80,950.00	\$ 72,950.00	\$ -	\$ 8,000.00
JUN '19	\$ 119,925.00	\$ 109,725.00	\$ 800.00	\$ 9,400.00
JUL '19	\$ 160,650.00	\$ 151,250.00	\$ 800.00	\$ 8,600.00
AUG '19	\$ 190,975.00	\$ 183,875.00	\$ 500.00	\$ 6,600.00
SEP '19				
TOTALS	\$1,129,375.00	\$1,039,675.00	\$5,500.00	\$84,200.00

* FY18 Finance Adjustment

FY'17- FY'19 Rebate Amount Paid



FY 2017- Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCT '16	92	77
NOV '16	68	160
DEC '16	141	54
JAN '17	109	138
FEB '17	92	120
MAR '17	144	84
APR '17	147	104
MAY '17	215	178
JUN '17	322	252
JUL '17	295	105
AUG '17	339	224
SEP '17	270	282

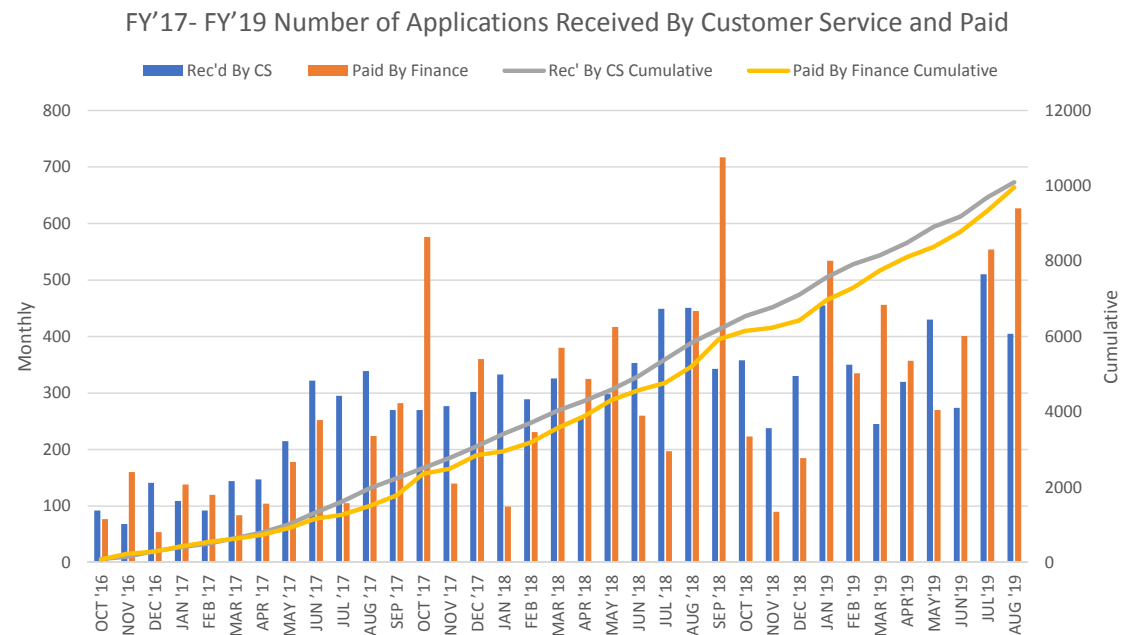
FY 2018- Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCT '17	270	576
NOV '17	277	140
DEC '17	302	360
JAN '18	333	99
FEB '18	289	231
MAR '18	326	380
APR '18	256	325
MAY '18	298	417
JUN '18	353	260
JUL '18	449	197
AUG '18	451	445
SEP '18	343	717

FY 2019 Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCT '18	358	223
NOV '18	238	90
DEC '18	330	185
JAN '19	455	534
FEB '19	350	335
MAR '19	245	456
APR '19	320	357
MAY '19	430	270
JUN '19	274	401
JUL '19	510	554
AUG '19	405	627
SEP '19		

FY'17- FY'19 Number of Applications Received By Customer Service and Paid

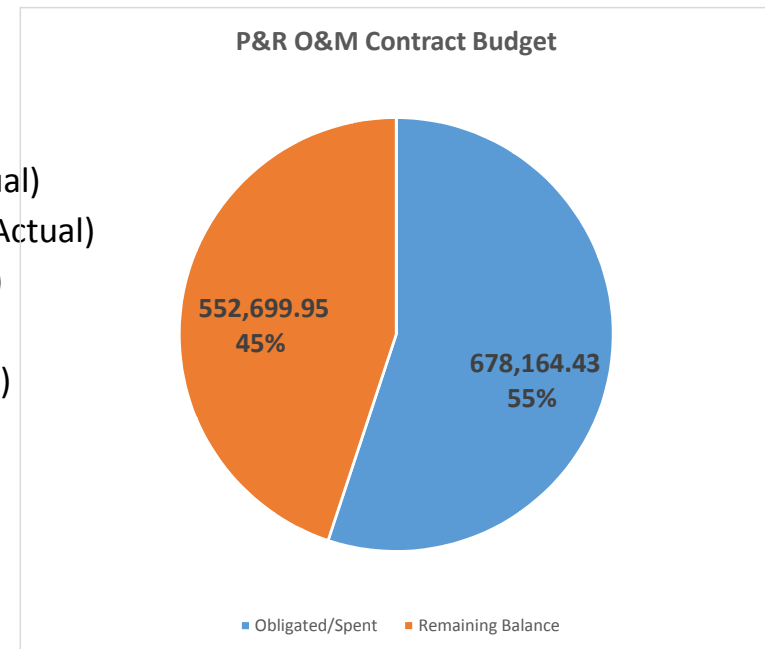


Planning & Regulatory CCU Report

August 31, 2019

Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
 - 0.10% O&M Obligation as of October 31, 2018 (Actual)
 - 24.24% O&M Obligation as of November 30, 2018 (Actual)
 - 32.68% O&M Obligation as of Dec. 31, 2018 (Actual)
 - 38.66% O&M Obligation as of Feb. 28, 2019 (Actual)
 - 55.10 % O&M Obligation as of May 31, 2019 (Actual)
 - 55.10% O&M Obligated as of July 31, 2019 (Actual)



P&R Weekly & Monthly Inspection Reports

- Best Management Practices (BMP) Report Summary [Weekly]
- Generation Spill Prevention, Control, and Countermeasures (SPCC) Report Summary [Monthly]
- T&D Spill Prevention, Control, and Countermeasures (SPCC) Report Summary [Monthly]
- GPA is responsible to employees, the island environment, and the community to take all reasonable steps necessary to prevent spills from its facilities in order to protect human health and the environment

P&R Inspection Report Purpose

- The purpose of these inspections is to catch discrepancies and violations internally and correct them before inspections by Guam EPA and US EPA
- Regulatory Agencies can conduct scheduled or un-scheduled (surprise) inspections any time
- Any major discrepancies or violations cited can lead to issuance of a Notice of Violation (NOV), possible fines, and/or other enforcement action
- P&R conducts routine SPCC inspections in compliance with the requirements of 40CFR 112.7(a)(3)(ii), Discharge Prevention Measures

Weekly BMP Report

WEEKLY BMP REPORT SUMMARY CABRAS POWER PLANT MONTH OF AUGUST 2019										
						LEGEND OF TRACKING  Notification Date  Within Scheduled Remediation Period  Completed  Deadline is Past Due				
INSPECTOR: LORINA SABANGAN										
LOCATION	WE 08/02/19 FINDINGS	WE 08/09/19 FINDINGS	WE 08/16/19 FINDINGS	WE 08/23/19 FINDINGS	WE 08/30/19 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Facility Area	No findings	No findings	No findings	No findings	No findings					

T&D SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT
MONTH OF AUGUST, 2019

LEGEND OF TRACKING

Notification Date

Completed

Within Scheduled Remediation

Deadline is Past Due

SUBSTATIONS

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
DEDEDO SUBSTATION	Facility Area	Drain valve left open	Keep drain valve closed at all times					August 2019
DEDEDO SUBSTATION WAREHOUSE	Facility Area	Corroded drain screen at berm area	Replace					August 2019
MACHECHE SUBSTATION	Secondary Containment	NO CORRECTIVE ACTION						
TALOFOFO SUBSTATION	Secondary Containment	Water accumulation in sec. containment	Drain/remove water					July 2019
		Algae accumulation in sec. containment	Remove algae					July 2019
		Used absorbent pads in sec. containment	Dispose used absorbent pads	Corrective action completed		August 2019		July 2019
TENJO SUBSTATION	Security Fence	Tilting on the side	Fix and secure fence and gate	Corrective action completed		August 2019		December 2018
YIGO SUBSTATION	Secondary Containment	Standing rainwater inside containment berm	Drain/remove water					August 2019

Generation SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT

MONTH OF AUGUST, 2019

LEGEND OF TRACKING

Notification Date

Completed

Within Scheduled Remediation

Deadline is Past Due

POWER PLANT

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
CABRAS POWER PLANT	Used Oil Tank	Corroded and damaged tank shell coating	Chip corrosion and recoat	Corrective action completed		August 2019	ASAP	Sept 2018
	Lube Oil Tank (Cabras 3 & 4)	Corroded lube oil pipeline	Conduct repair	Corrective action completed		August 2019	ASAP	February 2018
	Secondary Containment Day Tank #2	Exposed, worn-out insulation	Repair/replace insulation				ASAP	August 2019
		Leaking filter drain valve	Verify/repair filter drain valve				ASAP	August 2020
		Water leaking on steam trap	Verify/repair steam trap				ASAP	August 2021
	LS & HS Service Tanks	Rainwater and algae in sec. containment	Drain and remove algae				ASAP	August 2022
	Refilling Valve	Rainwater and algae in sec. containment	Drain and remove algae				ASAP	August 2023
DEDEDO CT	Raw Fuel Tank	Heavily corroded 2" fuel line	Conduct repair				ASAP	May 2019
	Secondary Containment	Water accumulation	Drain water				ASAP	June 2019
		Standing water inside OWS 1 & 2	Drain water				ASAP	July 2019
		Soil inside raw tank	Conduct cleanup				ASAP	June 2019

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT MONTH OF AUGUST, 2019								
LEGEND OF TRACKING								
		 Notification Date		 Completed				
		 Within Scheduled Remediation		 Deadline is Past Due				
POWER PLANT								
MACHECHE CT	Facility Area	Corroded tank shells at T-130/140	Chip corrosion and recoat				ASAP	October 2015
		Level gauge is not working (Tank 140)	Fix level gauge				ASAP	April 2019
		Improper storage of HCl	Store in proper chemical storage				ASAP	June 2019
		Paint, painting tools and consumable materials inside purifier area	Store unused paints to proper storage area and dispose empty cans				ASAP	August 2019
YIGO CT	Tanks 130 and 140	Corroded tank shells	Chip corrosion & recoat tanks				ASAP	February 2019
	Secondary Containment Trench	Algae, weeds accumulation	Conduct cleanup				ASAP	November 2018
	Tank 120	Corroded drain line pipe	Chip corrosion and recoat				ASAP	April 2019
	Drums Storage Area	Corroded oil drums stored in drum storage area	Frequently monitor drums and use oil ASAP				ASAP	March 2019
	Secondary Containment	Dirt and sludge in OWS sec. containment	Conduct cleanup	Corrective action completed		August 2019	ASAP	April 2019
	Secondary Containment	Water inside OWS	Drain water				ASAP	August 2019
MANENGON DIESEL	Pipeline	Corroded fuel supply pipeline	Chip corrosion & recoat				ASAP	July 2019
	Secondary Containment	Algae accumulation in secondary containment	Conduct cleanup				ASAP	July 2019
TALOFOFO DIESEL	Facility Area	Fuel tank coating is peeling off	Recoat to prevent corrosion damage				ASAP	August 2019

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT
MONTH OF AUGUST, 2019

LEGEND OF TRACKING

Notification Date

Completed

Within Scheduled Remediation

Deadline is Past Due

POWER PLANT

TENJO DIESEL	Facility Area	Corroded tank shell	Chip corrosion & recoat				ASAP	July 2019
		Corroded supply pipe	Chip corrosion & recoat				ASAP	July 2019
PITI #7	Main Fuel Tank, Day Tank # 1 & 2	No integrity test	Integrity testing is required				ASAP	January 2018
	Main Fuel Tank	Corrosion forming under pipes and pipe support	Chip corrosion and recoat				ASAP	October 2018
	Old Pití Power plant structure	Improper storage of drums and wood pallets	Move or dispose drums and wood pallets				ASAP	May 2019

GPA Work Session - September 19, 2019 - DIVISION REPORTS

ENGINEERING WORK ORDERS

Engineering Work Order Summary - August 2019	
Work Orders Received from CSR	152
Work Orders Processed & Released to T&D	235
Work Orders Processed & Released to CSR	21
Work Orders Cancelled	32
Work Orders Pending Survey	26
Total Pending WO at Engineering	545

Engineering Large Customer and Net Metering Tracking						
Date Received	Customer Name	Work Worder Numbers	Location	KVA	Meter Qty	Status
12/20/2013	CoreTech International	Multiple	Dededo	300	64	Lada Estates, 450 kVA, Phase I, II and III are 100% Completed - 308 units energized. Phase IV currently in design phase by EMCE.
1/27/2015	TG Engineers	422182-85, 90-93, 96-98	Agana Heights	100	11	10 Unit Apartment, 100 kVA, 80% Completed. Work currently on hold.
5/13/2015	CoreTech International Towers, Tower 101, 102, 103, and 104	426021	Tamuning	3,300	45	New condominiums, 2-1500kVA and 1 300 kVA, Tower 101, 102, 103 and the community center are 100% Completed. Work on Tower 104 is ongoing and is 50% Completed.
6/1/2017	New Underground Line (P-047)	466064	Tumon	1,500	1	New Underground line 90% completed. Mandrelling completed on completed sections. T&D started pulling wire and installing splices in August 2019. The Tsubaki Hotel is requesting GPA to hold off on the pending six outages due to their construction schedule.
3/1/2018	Docomo Pacific Inc., New Data Center	Pending Application	Talofofo	3,000	1	New Data Center. Planned to come off P-260 and P-262. 0% Completed. Still in Design Phase.
04/01/18	HG Northeast Inc	459085	Mangilao	100	14	New 14 Unit Subdivision, 15% Completed, 100 kVA, Pending Applications
2/28/2018	Black Construction (Route 3 Road Improvements)	458020	Dededo			Route 3 Road Improvements. Involves the relocation of upto 54 ea. 45' concrete poles. 99% Completed. Materials returned to GPA Warehouse.
05/12/18	Bestry Corporation	450085	Hagatna	500	8	Hamilton Hotel Renovation and Rehabilitation, 8 Meters, 100% Completed, 500 kVA. Released to T&D,
06/14/18	Guam Waterworks Authority	461363	Umatac-Merizo	300	1	New Umatac-Merizo Wastewater Treatment, 40% Completed, 300 kVA
12/13/18	Simpson, Henry M	466907, 8, 466658	Santa Rita			New Subdivision. Design Ongoing. Demand load pending completion of subdivision design.
02/01/19	Ironwood Villa Del Mar, LLC	Multiple	Mongmong/Toto	350	50	New 50 Unit Apartments, 75% completed, multiple buildings with multiple transformers.
10/01/18	Ada's Trust & Investments	464891	Hagatna	300	1	New Commercial Building. 100% completed. Released to T&D.
10/10/18	Don Sadwahni	465341	Harmon	2,000	1	New Industrial Subdivision, Inspection of civil work only, Proposed 12 Pad Mounted Xfmrs 77% Completed.
11/19/18	TNN Guam Primary Meter	466064	Tumon	1,800	1	Permanent primary meter for Tsubaki Hotel and Nikko Hotel (1800 + 3000kVA Nikko), 92% Completed.
04/26/19	JohnDel International	469700-2,5, 6	Tamuning		5	New Office Building, pending transformer sizing.
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		1	Pending Net Metering Customers as of August 31, 2019.
Total				13,550	204	

GPA INFORMATION TECHNOLOGY

AUGUST 2019

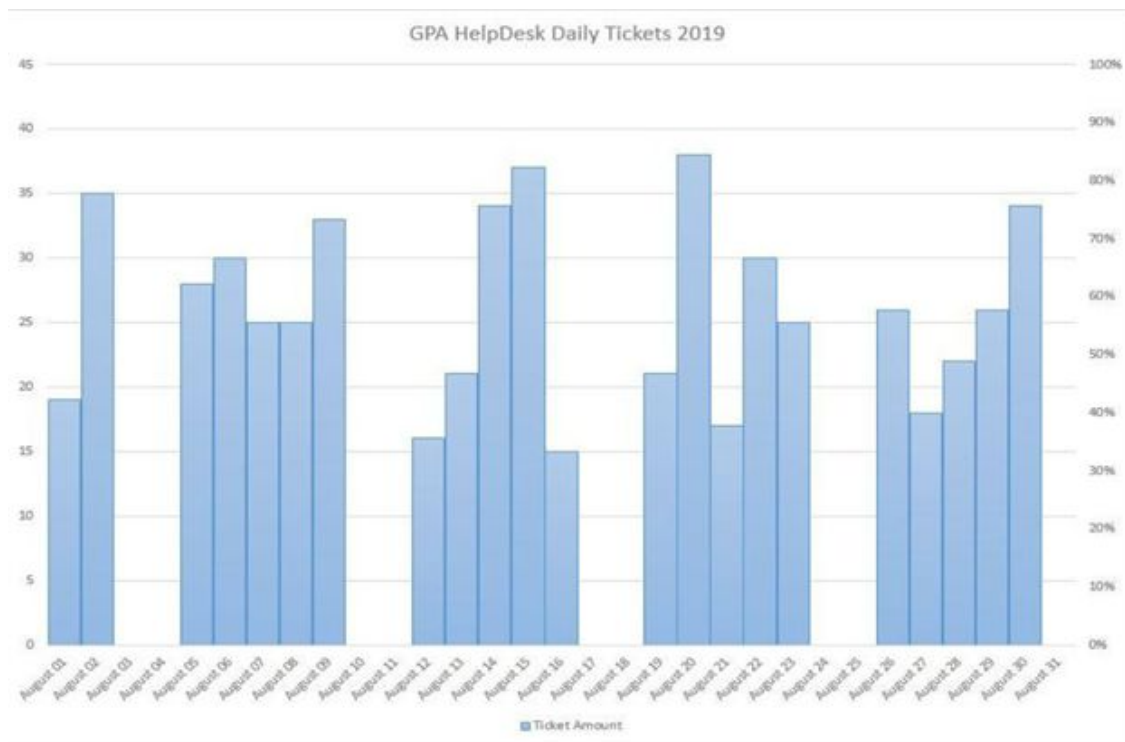
SUMMARY:

The Information Technology Department continues to improve services, monitoring processes and system infrastructure utilization as guided by Cyber-Security initiatives and regulatory compliance. We strive and continue to improve all areas. Computer Services continues to seek new technology with networking, system access and utilization. We also strive to meet target levels of uptime, to include the IBM i-Series AS400, Virtual Machine environment, (VMware V-Sphere), (Blade Servers and Disk Array Storage), and Physical Servers, (non-Virtual Machines).

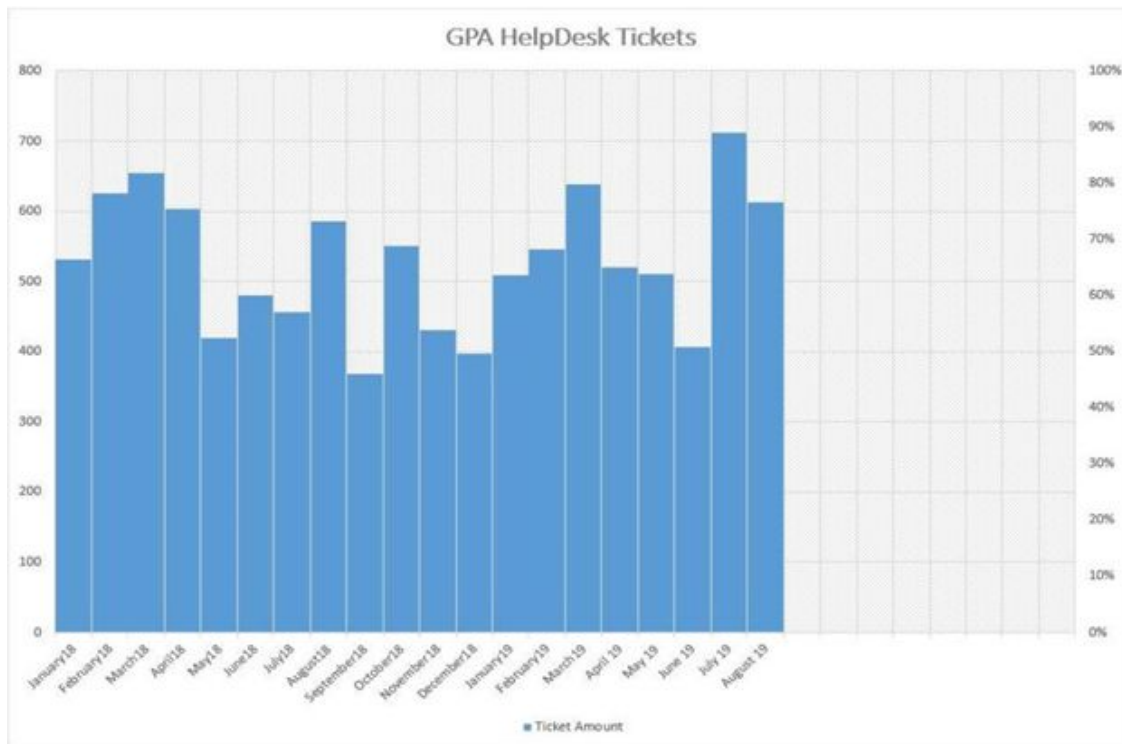
INCIDENT CALL SUMMARY:

The significance to record and utilize the Helpdesk Incident Handling Tool (ChangeGear) is to manage, track and measure workloads and assignments of customer reported IT incidents. The tracking of incidents is paramount. Measurements will be used for IT Customer Feedback survey in the future.

AUGUST 2019 TICKETS



19 MONTH COMPARATIVE



For August 2019, Computer Services responded to 613 Help Desk calls from GPA internal and external customers. Breakdown as follows:

RESOLVED TICKETS BY PRIORITY

Low	Medium	High	Critical	Pending	Total
331	138	119	4	21	613

RESOLVED TICKET TYPES

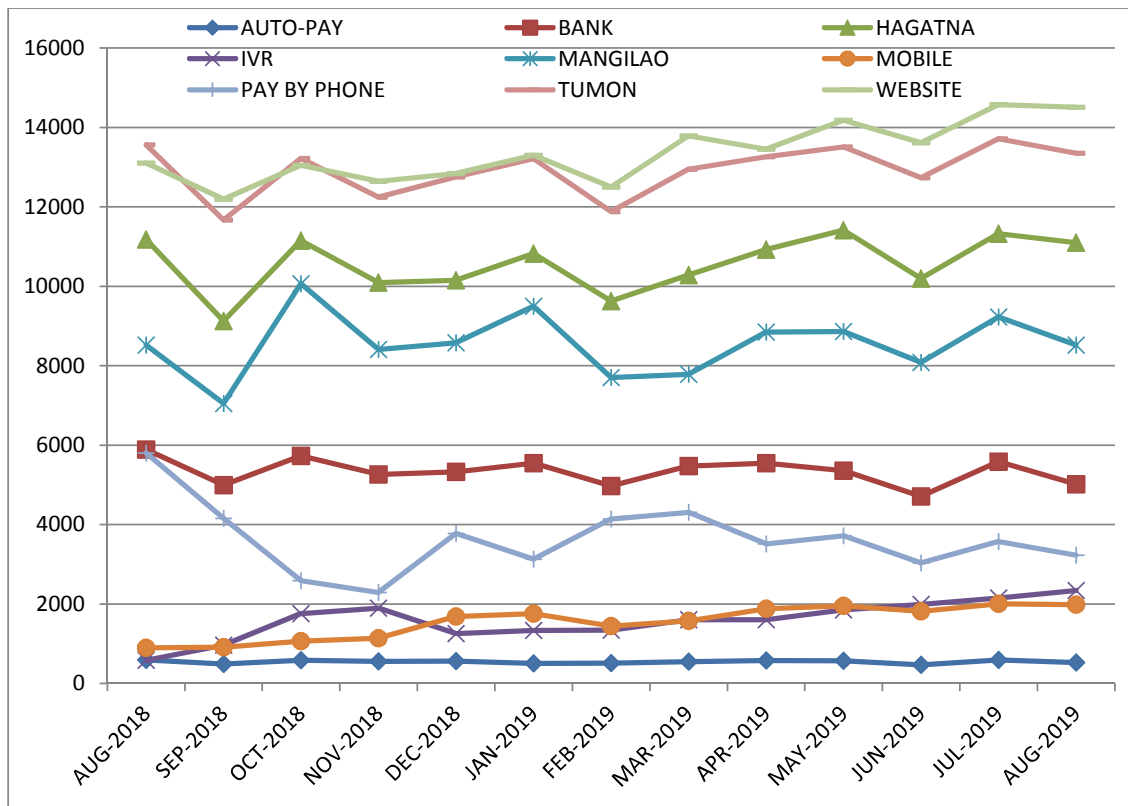
End User	Hardware	Software	Network	Pending	Total
541	20	28	3	21	613

RESOLVED TICKETS REPORTED BY ORIGIN

Phone	E-mail	Internal	Walk-In	Self Service Portal	Radio	Total
399	55	129	8	0	1	592

CC&B PAYMENT SUMMARY TRANSACTIONS:

Payment Transactions by On Site/Website/Auto-Pay/BANK/Mobile



Payment Transactions by Count:

Row Labels	AUTO-PAY	BANK	HAGATNA	IVR	MANGILAO	MOBILE	PAY BY PHONE	TUMON	WEBSITE
AUG-2018	590	5890	11178	588	8517	895	5804	13562	13102
SEP-2018	493	4995	9127	966	7050	916	4158	11668	12189
OCT-2018	582	5728	11151	1755	10067	1069	2587	13218	13047
NOV-2018	558	5266	10095	1893	8411	1139	2290	12246	12646
DEC-2018	562	5327	10148	1254	8574	1683	3775	12751	12840
JAN-2019	506	5544	10824	1333	9498	1758	3127	13215	13299
FEB-2019	513	4968	9627	1346	7706	1448	4140	11880	12494
MAR-2019	546	5474	10284	1608	7781	1577	4305	12948	13790
APR-2019	577	5548	10926	1608	8849	1882	3512	13264	13449
MAY-2019	568	5360	11415	1853	8861	1957	3717	13514	14179
JUN-2019	467	4705	10193	1993	8079	1814	3036	12731	13609
JUL-2019	592	5583	11327	2153	9229	2008	3570	13717	14574
AUG-2019	529	5018	11099	2340	8521	1983	3228	13350	14509
Grand Total	7,083	69,406	137,394	20,690	111,143	20,129	47,249	168,064	173,727

MAJOR APPLICATION ISSUES FOR AUGUST 2019

1. ORACLE CUSTOMER CARE & BILLING
No system issue reported.
2. LANDIS & GYR AMI METERS (SMART METERS)
No system issue reported.
3. ORACLE JDE
No system issue reported.
4. METER DATA MANAGEMENT SYSTEM (MDMS)
No system issue reported.
5. SHORETEL VOIP PHONE SYSTEM
No system issue reported.
6. EMAIL EXCHANGE SERVER
No system issue reported.
7. ONLINE PAYMENT SYSTEM (PAYGPA.COM)
No system issue reported.
8. GEOGRAPHIC INFORMATION SYSTEM (GIS)
No system issue reported.
9. MILSOFT OUTAGE MANAGEMENT SYSTEM (OMS)
No system issue reported.
10. ADVANCED GRID ANALYTICS (AGA)
System is updated and running.
11. MOBILE APP PAYMENT PROGRAM
No system issue reported.
12. IVR PHONE PAYMENT SYSTEM
No system issue reported.

ONGOING PROJECT UPDATES:

Disaster Recovery Site: Project to procure a Disaster Recovery (DR) site to provide redundancy for critical GPA applications and databases in case of disruption of the primary Fadian Data Center.

Update: RFP is in protest with one of the vendors. Awaiting decision from OPA.

Physical Security: Project to provide additional surveillance monitoring for Fadian, T&D, Dededo CT and Transportation Warehouse. Kickoff meeting was on Oct. 9 and camera and PA system installation is scheduled to start in October and currently ongoing.

Public Announcement (PA) system testing has been completed at Fadian. Surveillance system at Fadian is 90% completed and Acceptance Testing is ongoing.

GPWA Website Upgrades: Project to revamp GPA and GWA websites for the following, GUAMPOWERAUTHORITY.COM, PAYGPA.COM, GUAMWETERWORKS.ORG and PAYGWA.COM. RFP Responses has been reviewed and awaiting clarification of proposals. PO has been awarded and project is ongoing.

Update: Project is ongoing.

Oracle CHAT-BOT: Project to provide Oracle Chat Bot services to GPA's PAYGPA.COM, Mobile APP and Facebook Program. This will allow customers to utilize a CHAT program to make inquiries to frequently asked questions and inquiries on their account. Project has started and expected completion by Oct. 31. Project has just completed testing and looking to transfer into production by Nov. 2018.

Update: Deployment to GuamPowerAuthority.com is online. Pending Facebook and PAYGPA.COM.

JDE OneWorld to E1 Upgrade: License review is currently being done for both GPA and GWA to determine software and hardware requirements. Meeting with Oracle scheduled for Sept. 17 to discuss options for E1 Deployment.

VPlex and Unity Storage and Replication Implementation: New data storage and replication solution that will be implemented in conjunction with GPA's new disaster recovery solution. This will allow GPA to retire existing Storage Area Network (SAN) devices which are End of Life (EOL) and will allow Active to Active data replication between the GPA Fadian Data Center and the proposed new Disaster Recovery (DR) site.

Substation Surveillance Camera Installation (Proof of Concept): Installation and testing of remote cameras at substations to test GPA Tier 2 wireless network. An initial camera has been installed at the Umatac Substation with additional sites identified at Piti, Harmon, Agana and Tamuning Substation.

Submitted by:
Melvyn Kwek
Chief Information Technology Officer

PLANNING & REGULATORY DIVISION REPORT

The following summarizes P&R's activities for the month of August 2019

INSPECTIONS/MONITORING

- Best Management Practices (BMP) Weekly Inspection/Report – Cabras Power Plant
- Monthly Spill Prevention, Control and Countermeasures (SPCC) Inspection/Report – Cabras Power Plant, Macheche, Dededo, Yigo CT, Talofofo, MDI, Tenjo Diesel, Piti 7 Power Plants, IP&E fuel Farm.
- Reviews monthly Continuous Emissions Monitoring System (CEMS) report and monitors TRC's O & M for Tenjo Diesel
- Inspected and trouble shoot RICE MACT monitoring equipment at Tenjo, Talofofo and MDI
- Emissions and Limits Tracking for GPA and Aggreko Power Plants
 - Monitoring CO and NOx emissions of the Aggreko generators not to exceed the allowable limit.
 - GPA Plants Limits based on Hours and/or Fuel Use

ENVIRONMENTAL RESPONSE

- Responded to Tenjo Oil spill and fire. Inspected and coordinated the repairs on the CEMS equipment damaged by the fire.
- Responded to F10 Finegayan water well fuel oil spill

PROCUREMENT

- Reviewed and approved bid for the absorbent pads
- Reviewed and approved bid for contaminated waste disposal
- Planned Procurement – for the Abandonment of Tango UIC wells. OR #33280
- MSB GPA-007-18 – Finished Technical evaluation of contractor submittals for Multi-Step Bid for Renewable Energy Resource Phase III

REPORTING

- Submitted Monthly NSPS report to Guam EPA
- Submitted corrections to Toxic Release Inventory form for Cabras Dioxins

SPILL RESPONSE

- Submitted report for F-10 Finegayan Water Well oil spill to GPA and GEPA

STATE IMPLEMENTATION PLAN (SIP)

- Had conference calls and meetings with Guam EPA and TRC for finalizing SIP
- Ran some emissions calculations for Cabras Power Plant comparing values between RFO and fuel using lower sulfur fuels

TRAINING / CONFERENCES

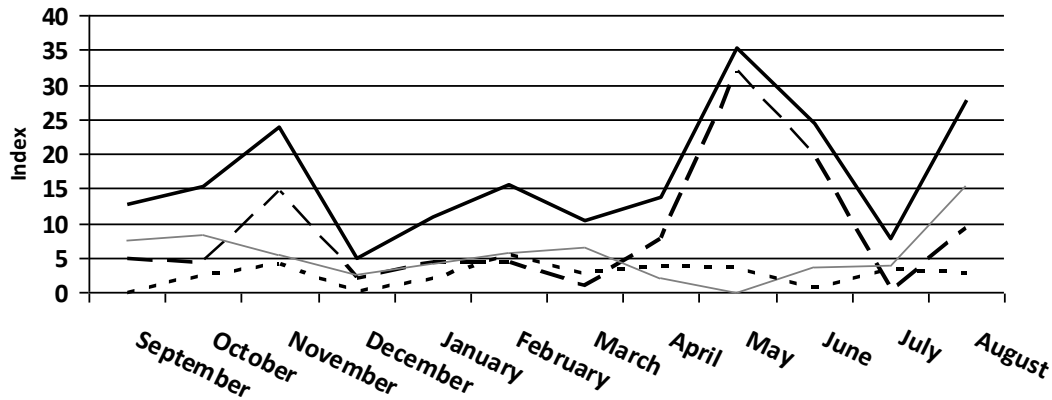
- Attended Hazwoper refresher training
- Attended Procurement training JDE Refresher and Procurement & Warehouse/SIR Modules
- Attended coordination meeting with the Navy and their contractor regarding the Navy-Commercial Tie-In Hardening Project

OTHERS

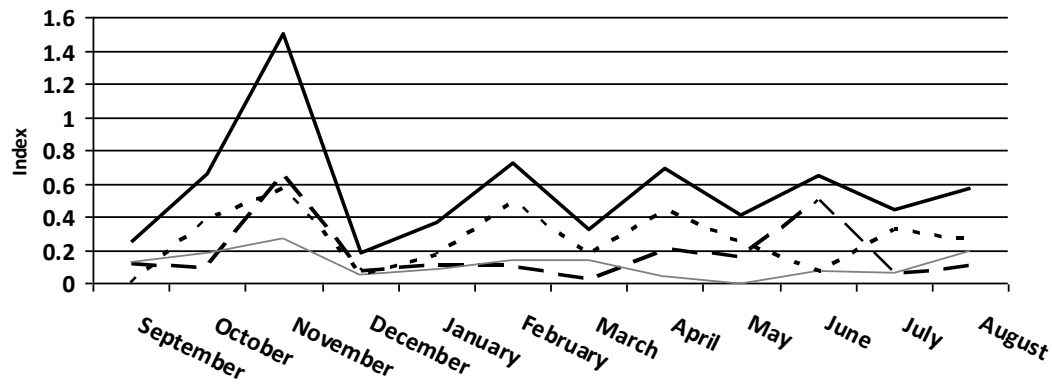
- Prepared and submitted Proposed Removal of Excavated Materials and Soil Bio-Remediation at Marbo S/S
- Coordination meeting/conference
 - Marbo transformer oil spill - Guam EPA and US Navy Marbo SS cleanup progress meeting
 - Piti Tank Farm – Guam EPA meeting to get concurrence to replace 12” fuel pipeline
 - Meeting at Guam EPA, Tiyan Office – KEPCO, GEPA and GPA re. New Power Plant and Pipeline construction permit, et al.
- Meeting with T&D, AGMO, WSD, Engineering regarding Emergency Generators at Public Health & Department of correction.
- Conducted integrity testing for Tenjo Vista Power Plant.
- Submitted names and contact info for division monitors to Safety Division. Monitors will be responsible for training their staff on the proper course of action to take in case an emergency (ie. Fire, Bomb Threats, Active Shooter, and Earthquakes) occurs here at Fadian Main Office. Also sent clear copy of the emergency evacuation plan to Safety for distribution.



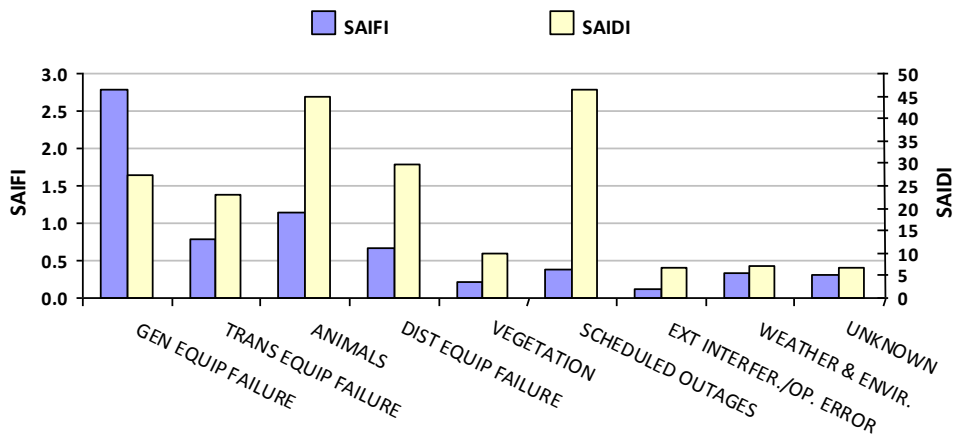
(Item 1.1,1.2,1.5) August 2019 SAIDI = 202.48 ↑ (191.83)



(Item 1.1,1.2,1.5) August 2019 SAIFI = 6.76 ↑ (6.70)

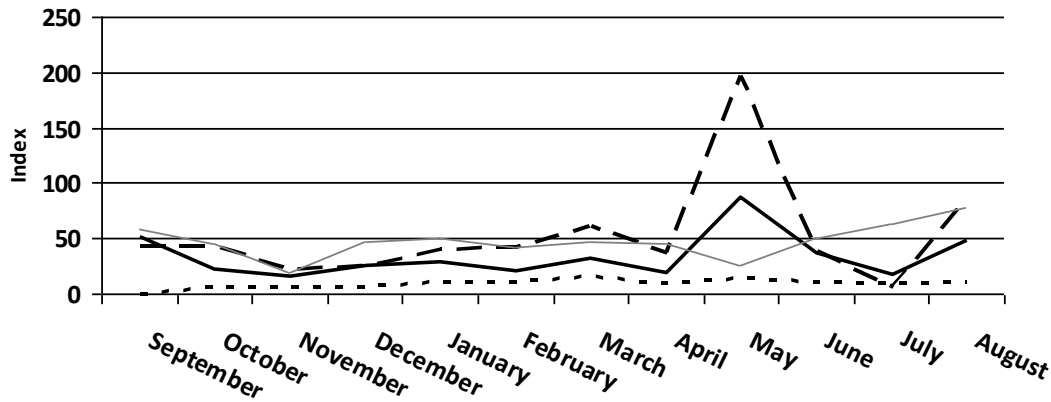
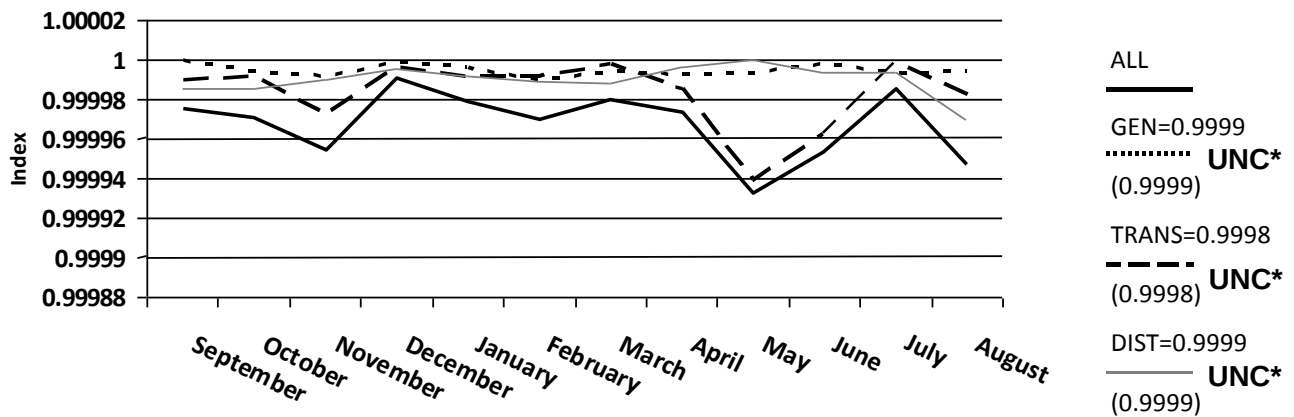


(Item 1.9) 12-Month Cause Contributions to Reliability



GEN EQUIP FAILURE
F:40.9% D:13.5%
TRANS EQUIP FAILURE
F:10.3% D:11.3%
ANIMALS
F:15.5% D:22.2%
DIST EQUIP FAILURE
F:10.8% D:14.7%
VEGETATION
F:3.7% D:5.0%
SCHEDULED OUTAGES
F:6.0% D:23.0%
EXT INTERFER./OP.
ERROR
F:2.2% D:3.4%
WEATHER & ENVIR.
F:6.3% D:3.6%
UNKNOWN
F:4.3% D:3.3%

As of August 31, 2019

(Item 1.1,1.2,1.5) August 2019 CAIDI = 29.95 ↑ (28.64)**(Item 1.1,1.2,1.5) August 2019 ASAI = 0.9996 UNC* (0.9996)****(Item 1.4) Top 5 Worst Feeders Distribution Causes**

#	Feeder	Outage Count
1	P340	12
2	P261	12
3	P341	8
4	P294	8
5	P262	7

(Item 1.3) Outage Count

TOTAL	UFLS	Non-UFLS
619	284	335

(Item 1.4) Top 5 Distribution Outage Causes

#	Outage Cause	Count
1	Wind	96
2	Overhead Equipment	40
3	Vegetation	14
4	Substation Equipment	12
5	Underground Equipment	9

(Item 1.3) UFLS Contribution to Reliability

SAIDI	SAIFI	CAIDI
46.41	4.06	11.44

As of August 31, 2019

Infrared Inspection Worksheet

	Circuit	Last Infrared Inspection	
		Fiscal Year	Quarter
1	X065-X183	FY2017	4
2	X038-X124	FY2017	4
3	X123-X143	FY2017	4
4	H710/H760 - H502	FY2017	4
5	X023-X043	FY2017	4
6	X087-X073	FY2018	1
7	X247-X140		
8	X082-X160	FY2017	4
9	X020-X311-X336	FY2017	4
10	X039-X250	FY2018	1
11	X161-X070		
12	X006-X015/X016		
13	X024-X110	FY2017	4
14	X054-X246	FY2017	4
15	X056-X185		
16	X394-X126		
17	X173-X245		
18	H322/H326 - H401/H404		
19	H342/H346 - H402/H403		
20	H362/H366 - H750/H760		
21	H403/H404 - H602	FY2017	4
22	H612 - H501	FY2017	4
23	X021-X315-X334		
24	X022-X037-X190	FY2017	4
25	X036-X305		
26	X040-X112	FY2017	4
27	X045-X055		
28	X053-X209	FY2017	4
29	X081-X178		
30	X088-X151/X154	FY2017	4
31	X134-X180		
32	X150/X152-X221		
33	X214-X263		
34	X222-X067	FY2017	4
35	X150/X155-X071		
36	X080-X260		
37	X086-X101		
38	X093-X103		
39	X097-X227		
40	X098-X130		
41	X133-X170		
42	X174-X175		
43	X210-X226		
44	X301-X324		
45	X309-X326		

Top 10 Worst Circuits
Underground Circuits

Infrared Inspection Worksheet

	Sector	Circuit	Last Infrared Inspection	
			Fiscal Year	Quarter
1	North	P332	FY2019	4
2		P403		
3		P089		
4		P244		
5		P111		
6		P271	FY2017	4
7		P330		
8		P322	FY2019	4
9		P270		
10		P046	FY2018	1
11		P087		
12		P321	FY2019	4
13		P088	FY2017	4
14		P331		
15		P323	FY2019	4
16		P245		
17		P272		
18		P240		
19		P242		
20	Central	P212	FY2019	4
21		P213	FY2019	4
22		P202	FY2019	4
23		P201	FY2019	4
24		P210	FY2019	4
25		P007		
26		P250	FY2019	4
27		P205	FY2019	4
28		P206	FY2019	4
29		P203	FY2019	4
30		P253	FY2019	4
31		P283	FY2019	4
32		P280	FY2019	4
33		P311	FY2019	4
34		P007		
35		P211	FY2019	4
36		P202	FY2019	4
37		P251	FY2019	4
38		P252	FY2019	4
39		P201		
40		P282	FY2019	4
41		P310	FY2019	4
42		P204	FY2019	4
43		P312	FY2019	4
44		P281	FY2019	4
45		P400		
46	South	P340	FY2019	4
47		P261	FY2019	4
48		P221	FY2019	4
49		P294	FY2019	4
50		P341	FY2019	4
51		P005	FY2019	4
52		P260		
53		P003	FY2019	4
54		P220	FY2019	4
55		P298		
56		P262	FY2019	4
57		P223	FY2019	4
58		P301	FY2019	4
59		P005		
60		P260	FY2019	4

Top 10 Worst Circuits

NET METERING

August 2019

	<u>Quantity</u>	<u>Connected kVA</u>
Completed	2,017	22,433
Pending	1	7
Grand Total	2,018	22,440

Rate Class and Technology			
Technology	Schedule	Customer Count	Total kW
Solar Energy	R - Residential	1,906	17,814.12
	J - Gen Service Dmd	38	2,049.41
	K - Small Gov Dmd	9	317.80
	L - Large Government	2	122.80
	P - Large Power	7	640.70
	G - Gen Serv Non-Dmd	46	1,405.76
	S - Sm Gov Non-Dmd	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		2,017	22,432.98

Projection Date Ending 12/31/2019				
Customer Rate Class	Sum of Size (kW)	*Annual Projected kWh Generated	Non-Fuel Yield \$/kWh	Estimated Annual Revenue Loss
R	17,817.72	29,018,221	0.087492	\$ 2,538,863.03
J	2,049.41	3,228,732	0.125682	\$ 405,793.61
K	317.80	523,052	0.133883	\$ 70,027.73
L	122.80	205,378	0.129809	\$ 26,659.90
P	640.70	1,051,985	0.109950	\$ 115,665.83
G	1,405.76	2,289,647	0.145397	\$ 332,907.83
S	78.80	126,250	0.147902	\$ 18,672.63
Grand Total	22,432.98	36,443,265		\$ 3,508,590.55

*Estimated number of hours from NREL for Guam (13.4 degrees North and 144 degrees East).

Estimated Annual Revenue Loss (prior to 2019 model changes)

Year	Estimated kWh	*Total Estimated Cost
2018	34,981,036	\$ 3,521,130.12
2017	28,242,917	\$ 2,828,834.71
2016	21,867,383	\$ 2,200,794.56
2015	7,383,621	\$ 856,921.27
2014	3,137,212	\$ 410,558.94
2013	1,556,949	\$ 178,996.00
2012	494,672	\$ 58,545.89
2011	170,070	\$ 18,177.13
2010	98,830	\$ 8,483.27
2009	23,912	\$ 1,656.87

*Source for effective yield rate from the Year End Revenue Reports (12 month Average Yield)

NET METERING

August 2019

Customer Count and Connected kW by Feeder						
Status	Feeder	Net Metering Connected kW	Customer Count	% of Feeder Maximum kW	% of Feeder Minimum Daytime kW	
Completed	P-005	302.73	27	17.5%	35.2%	
	P-046	290.29	35	6.8%	10.4%	
	P-088	692.94	75	11.5%	18.2%	
	P-089	617.97	76	13.8%	33.3%	
	P-111	190.00	3	3.5%	6.2%	
	P-203	503.48	40	6.7%	19.1%	
	P-204	150.38	17	3.2%	6.6%	
	P-205	44.00	5	0.9%	1.6%	
	P-210	573.37	55	11.2%	15.2%	
	P-212	1,074.12	104	26.0%	67.2%	
	P-213	322.13	13	12.3%	16.5%	
	P-220	179.22	20	29.4%	92.4%	
	P-221	598.28	61	13.6%	27.1%	
	P-223	554.95	60	23.3%	33.3%	
	P-240	58.55	2	0.9%	7.9%	
	P-245	192.60	4	3.8%	8.2%	
	P-250	1,192.82	119	18.3%	32.2%	
	P-251	145.50	7	5.9%	9.0%	
	P-253	599.03	61	13.3%	21.0%	
	P-262	1,140.32	115	30.0%	71.8%	
	P-270	426.39	37	8.4%	16.9%	
	P-271	268.33	16	4.6%	9.7%	
	P-272	263.81	19	10.3%	23.4%	
	P-280	350.04	28	19.5%	36.2%	
	P-281	204.90	5	7.3%	20.4%	
	P-282	31.75	4	0.8%	2.6%	
	P-283	610.45	55	16.9%	28.9%	
	P-294	1,278.63	120	29.5%	58.5%	
	P-301	213.66	23	15.1%	26.9%	
	P-311	1,069.21	61	26.8%	45.9%	
	P-322	1,663.68	112	21.9%	43.5%	
	P-323	316.52	21	6.7%	20.8%	
	P-330	675.81	85	12.4%	25.0%	
	P-331	827.91	91	13.1%	21.2%	
	P-332	629.10	68	11.2%	16.3%	
	P-340	549.58	49	30.3%	66.7%	
	P-087	1,323.80	143	33.7%	52.8%	
	P-252	599.13	32	14.2%	29.0%	
	P-321	363.46	34	6.5%	7.3%	
	P-260	81.76	8	11.8%	40.9%	
	P-067	86.20	10	1.0%	1.3%	
	P-312	82.24	5	4.9%	5.7%	
	P-206	26.08	3	2.7%	4.8%	
	P-242	23.75	2	0.4%	1.1%	
	P-310	181.57	8	6.6%	12.1%	
	P-261	475.88	52	17.2%	29.5%	
	P-201	60.35	8	1.7%	3.0%	
	P-007	85.86	8	11.9%	25.3%	
	P-244	36.56	2	2.1%	2.1%	
	P-202	39.50	3	1.2%	2.9%	
	P-341	4.30	1	0.4%	1.6%	
	P-401	117.00	2	10.3%	17.3%	
	P-400	43.14	3	4.5%	4.6%	
Completed Total		22,432.98	2,017			
Pending	Pending	7.31	1	0.0%	0.0%	
Pending Total		7.31	1	0.0%	0.0%	
Grand Total		22,440.29	2,018			

	Feeders highlighted in red indicates renewable energy capacity has exceeded 25% of feeder maximum load.
	Feeders highlighted in yellow indicates renewable energy capacity has reached 75% of minimum daytime load.

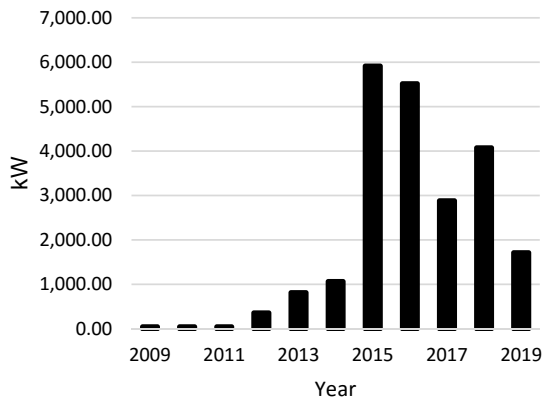
NET METERING

August 2019

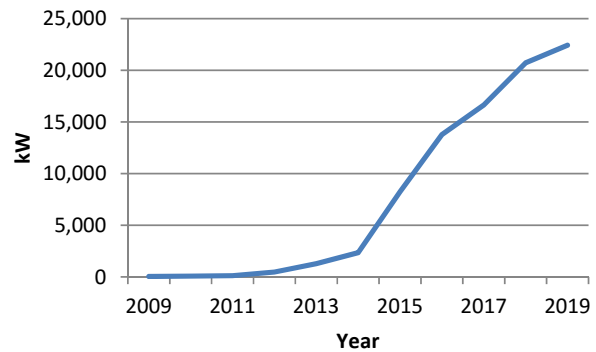
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	41.61	120.27
2012	354.61	474.88
2013	808.15	1,283.03
2014	1,060.04	2,343.07
2015	5,914.07	8,257.14
2016	5,514.38	13,771.51
2017	2,880.40	16,651.91
2018	4,071.10	20,723.01
2019	1,709.97	22,432.98
Grand Total	22,432.98	

Customer Count by Year		
Year	Total	Cumulative
2009	7	7
2010	2	9
2011	6	15
2012	27	42
2013	66	108
2014	94	202
2015	563	765
2016	530	1,295
2017	297	1,592
2018	290	1,882
2019	135	2,017
Grand Total	2,017	

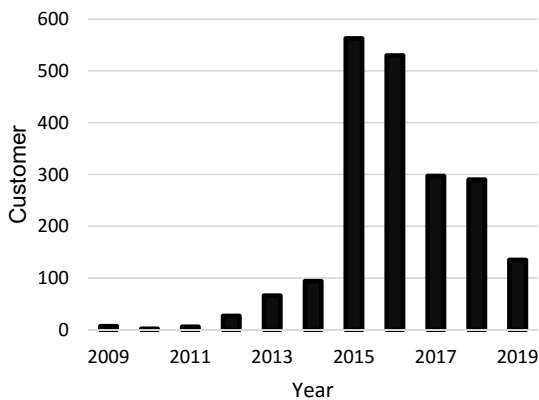
Yearly Installed kW



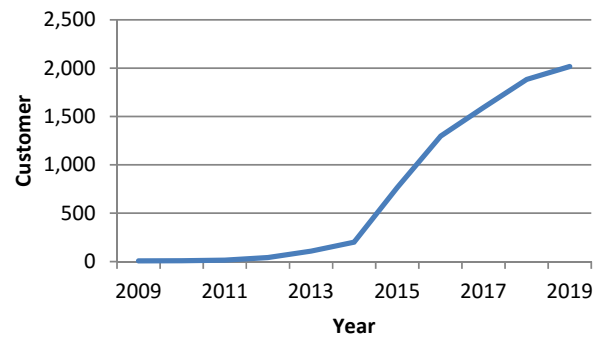
Cumulative Installed kW



Yearly Connected Customer Count



Cumulative Connected Customer Count





Production Data
31-Aug-19

SYSTEM											
YEAR	MONTH	# of DAYS	GROSS GENERATION	FUEL CONSUMPTION		GROSS FUEL EFFICIENCY (Target ≥ 15.99 kWh/gal)	COST per GROSS kWh	GROSS HEAT RATE (Baseloads) PUC Target less than 9,600	GROSS HEAT RATE (Peaking) PUC Target less than 13,600	Ave. MW	Peak MW
				(gal)	(bbl)						
2017	Jan	31	142,960,618	9,226,278	219,673	15.49	\$ 0.0913	9,620.29	10,965.71	192	234
	Feb	28	113,499,400	7,270,830	173,115	15.61	\$ 0.0900	9,609.08	11,503.12	195	246
	Mar	31	149,402,182	9,664,440	230,106	15.46	\$ 0.1014	9,719.35	11,440.45	201	246
	Apr	30	145,351,026	9,913,757	236,042	14.66	\$ 0.1101	9,750.73	11,392.12	202	250
	May	31	157,573,506	11,065,930	263,475	14.24	\$ 0.1170	10,067.14	11,323.20	212	256
	June	30	150,240,751	10,654,196	253,671	14.10	\$ 0.1101	10,209.74	11,248.62	209	257
	July	31	150,580,050	10,622,458	252,916	14.18	\$ 0.1169	9,544.54	11,837.62	202	252
	Aug	31	150,084,827	10,642,044	253,382	14.10	\$ 0.1177	9,206.15	11,917.58	202	261
	Sept	30	143,990,208	10,309,304	245,460	13.97	\$ 0.1152	9,541.20	13,107.05	200	254
	Oct	31	147,122,071	9,774,857	232,735	15.05	\$ 0.1079	9,590.71	11,375.81	198	254
	Nov	30	147,284,781	9,783,352	232,937	15.05	\$ 0.1061	9,563.85	11,257.17	205	253
	Dec	31	151,600,064	9,925,003	236,310	15.27	\$ 0.1122	9,607.13	11,035.82	204	250
2018	Jan	31	147,704,057	9,563,641	227,706	15.44	\$ 0.1078	9,755.40	11,029.21	199	246
	Feb	28	131,329,470	8,660,044	206,192	15.16	\$ 0.1150	9,763.94	11,125.15	195	241
	Mar	31	144,370,550	9,889,634	235,467	14.60	\$ 0.1345	9,183.77	11,853.09	194	244
	Apr	30	142,493,891	9,636,757	229,447	14.79	\$ 0.1232	9,558.86	11,901.02	198	247
	May	31	151,201,454	10,120,017	240,953	14.94	\$ 0.1342	9,549.70	11,703.13	203	249
	June	30	142,902,259	9,674,924	230,355	14.77	\$ 0.1399	9,563.51	11,494.36	198	246
	July	31	139,718,862	9,726,750	231,589	14.36	\$ 0.1468	9,647.53	11,909.20	188	242
	Aug	31	141,640,237	9,834,936	234,165	14.40	\$ 0.1437	9,817.09	13,623.96	190	238
	Sept	30	129,965,486	9,303,709	221,517	13.97	\$ 0.1526	9,383.54	13,625.29	181	240
	Oct	31	149,090,501	10,752,842	256,020	13.87	\$ 0.1592	9,870.49	12,783.94	200	243
	Nov	30	139,840,706	9,348,494	222,583	14.96	\$ 0.1446	9,772.22	12,091.07	194	241
	Dec	31	144,799,157	9,756,460	232,297	14.84	\$ 0.1497	9,443.41	11,943.41	195	237
2019	Jan	31	134,551,799	9,056,271	215,626	14.86	\$ 0.1172	9,677.80	11,506.72	181	224
	Feb	28	122,596,954	8,257,791	196,614	14.85	\$ 0.1152	9,592.63	11,923.40	182	226
	Mar	31	139,964,506	9,489,626	225,943	14.75	\$ 0.1309	9,586.39	12,331.54	188	234
	Apr	30	143,583,892	9,385,611	223,467	15.30	\$ 0.1249	9,597.50	11,794.45	199	244
	May	31	154,541,037	10,653,233	253,648	14.51	\$ 0.1378	9,854.93	12,008.47	208	254
	June	30	152,035,851	10,394,927	247,498	14.63	\$ 0.1378	9,756.34	11,985.93	211	255
	July	31	151,991,559	10,148,056	241,620	14.98	\$ 0.1230	9,789.72	11,505.06	204	251
	Aug	31	147,598,476	9,960,397	237,152	14.82	\$ 0.1259	9,622.68	11,430.55	198	253

GPA Work Session - September 19, 2019 - DIVISION REPORTS

T&D Vegetation Management

Percent Completion (per Sector Feeder)

Note: Feeders priority listing based on outages due to vegetation

Northern Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P332	6,830	13,095	9,561	332%
P322	7,265	620	4,800	75%
P330	2,635		12,599	478%
P087	4,245	4,550		107%
P046	1,245	230		
P321	4,045	250		
P088	3,310	340		
P089	670	300		45%
P331	1,925	240		12%
P323	2,810			
P271	50	1,405		2810%
P270	300	1,595		532%
P245	1,660	1,200		72%
P272	150	430		287%
P111	500	475		95%
P244	920	940		102%
P240	430	430		100%
P242	290	160		55%
Total	39,280	26,260	26,960	135%

Central Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P250	33,290	14,595	10,392	75%
P212	17,560	1,180		7%
P253	15,240	1,040		
P283	2,230	350	7,000	330%
P210	10,120	300		3%
P280	1,675	590		35%
P311	1,360			
P007	778			
P211	6,050			
P202	420	580		
P251	280			
P213	3,500	110		
P252	1,520		4,586	302%
P201	100			
P203	370			
P282	525			
P310	370	100		27%
P205	350			
P206	140	250		
P204	530			
P312	200			
P281	525			
P400	150			
Total	97,283	19,095	21,978	42%

Southern Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P294	9,430	1,695	22,801	260%
P261	4,930	2,910	9,939	261%
P340	13,240	2,060	27,675	225%
P262	5,185	1,220	19,236	395%
P221	1,570	2,695		172%
P223	2,500	5,590		224%
P341	880	2,240	450	306%
P301	19,915	2,074	1,675	19%
P005	990	150		15%
P220	1,250	480		38%
P260	12,630	2,650		21%
Total	72,520	23,764	81,776	146%



GUAM POWER AUTHORITY

ATURIDAT ILEKTRESEDAT GUAHAN
P O BOX 2977, AGANA, GUAM 96932-2977
Telephone: (671) 648-3066 Fax: (671) 648-3168

GUAM POWER AUTHORITY FINANCIAL STATEMENT OVERVIEW July 2019

Attached are the financial statements and supporting schedules for the month and fiscal year ended July 31, 2019.

Summary

The increase in net assets for the month ended was \$3.0 million as compared to the anticipated net increase of \$0.8 million projected at the beginning of the year. The total kWh sales for the month were 0.17% less than projected and non-fuel revenues were \$0.2 million less than the estimated amount. O & M expenses for the month were \$6.2 million which was \$0.5 million less than our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$3.1 million, which was \$0.5 less than the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	2.57	2.66	2
Days in Receivables	44	42	52
Days in Payables	30	26	30
LEAC (Over)/Under Recovery Balance -YTD	\$12,975,911	\$10,225,349	\$9,343,287
T&D Losses	5.44%	5.34%	<7.00%
Debt Service Coverage	1.58	1.62	1.75
Long-term equity ratio	-0.043%	0.13%	30 – 40%
Days in Cash	213	212	60

The Quick Ratio has been a challenge for GPA historically. However, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately \$74 million and approximately \$196 million in cash and current receivables. The LEAC over recovery for the month is nearly \$1.8 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

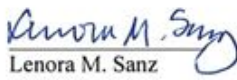
Financial Statements
July 2019

Significant Assumptions

The significant assumptions in the financial statements are as follows:

- Accrual cutoff procedures were performed at month end
- An inventory valuation is performed at year-end only
- Accounts Receivable includes accruals based on prior months' usage.

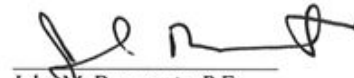
Prepared by:


Lenora M. Sanz
Controller

Reviewed by:


John J.E. Kim
Chief Financial Officer

Approved by:


John M. Benavente, P.E.
General Manager

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Net Position July 31, 2019 and September 30, 2018			
	Unaudited July 2019	Audited September 2018	Change from Sept 30 2018
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	\$ 25,176,859	\$ 17,997,927	\$ 7,178,932
Bond indenture funds	30,486,071	49,970,719	(19,484,648)
Held by Guam Power Authority:			
Bond indenture funds	150,177,837	142,583,470	7,594,367
Self insurance fund-restricted	19,330,274	19,258,353	71,921
Energy sense fund	242,568	1,085,472	(842,904)
Total cash and cash equivalents	225,413,609	230,895,941	(5,482,332)
Accounts receivable, net	44,095,673	37,851,906	6,243,767
Total current receivables	44,095,673	37,851,906	6,243,767
Materials and supplies inventory	13,012,507	12,812,072	200,435
Fuel inventory	46,291,901	67,993,103	(21,701,202)
Prepaid expenses	4,531,958	979,828	3,552,130
Total current assets	333,345,648	350,532,850	(17,187,202)
Utility plant, at cost:			
Electric plant in service	1,075,035,244	1,063,192,955	11,842,289
Construction work in progress	39,572,932	28,021,290	11,551,642
Total	1,114,608,176	1,091,214,245	23,393,931
Less: Accumulated depreciation	(627,121,366)	(597,426,905)	(29,694,461)
Total utility plant	487,486,810	493,787,340	(6,300,530)
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,535,138	48,600,660	(65,522)
Unamortized debt issuance costs	2,268,208	2,503,448	(235,240)
Total other non-current assets	50,803,346	51,104,108	(300,762)
Total assets	871,635,804	895,424,298	(23,788,494)
Deferred outflow of resources:			
Deferred fuel revenue	10,225,349	8,370,542	1,854,807
Unamortized loss on debt refunding	25,126,526	27,093,636	(1,967,110)
Pension	8,932,987	8,932,987	0
Other post employment benefits	13,798,017	13,798,017	0
Unamortized forward delivery contract costs	345,198	477,998	(132,800)
Total deferred outflows of resources	58,428,077	58,673,180	(245,103)
	\$ 930,063,881	\$ 954,097,478	\$ (24,033,597)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Net Position, Continued July 31, 2019 and September 30, 2018			
	Unaudited July 2019	Audited September 2018	Change from Sept 30 2018
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	\$ 16,130,000	\$ 1,630,000	\$ 14,500,000
Current obligations under capital leases	3,304,531	13,613,066	(10,308,535)
Accounts payable			
Operations	30,850,167	47,761,928	(16,911,761)
Others	155,009	662,541	(507,532)
Accrued payroll and employees' benefits	1,890,727	1,949,080	(58,353)
Current portion of employees' annual leave	2,182,800	2,101,168	81,632
Interest payable	9,964,273	14,745,285	(4,781,012)
Customer deposits	9,024,630	9,387,519	(362,889)
Total current liabilities	73,502,137	91,850,587	(18,348,450)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	19,345,291	0
Long term debt, net of current maturities	585,537,064	604,881,434	(19,344,370)
Obligations under capital leases, net of current portion	8,922,379	10,808,951	(1,886,572)
Net Pension liability	73,561,724	76,554,735	(2,993,011)
Other post employment benefits liability	145,955,861	145,955,861	0
DCRS sick leave liability	1,331,151	1,331,151	0
Employees' annual leave net of current portion	1,204,085	1,204,085	0
Customer advances for construction	394,540	385,293	9,247
Total liabilities	909,754,232	952,317,388	(42,563,156)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	1,265,372	1,752,053	(486,681)
Pension	3,532,642	3,532,642	0
Other post employment benefits	14,804,043	14,804,043	0
Total deferred inflows of resources	19,602,057	20,088,738	(486,681)
Commitments and contingencies			
Net Position:			
Net investment in capital assets	(47,780,494)	(38,960,024)	(8,820,469)
Restricted	55,328,979	47,856,103	7,472,876
Unrestricted	(6,840,894)	(27,204,727)	20,363,834
Total net position	707,591	(18,308,648)	19,016,241
	\$ 930,063,881	\$ 954,097,478	\$ (24,033,597)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Revenues, Expenses and Changes in Net Assets						
	July 31			Ten Months Ended July 31		
	Unaudited 2019	Audited 2018	% of change Inc (dec)	Unaudited 2019	Audited 2018	% of change Inc (dec)
Revenues						
Sales of electricity	\$ 35,032,429	\$ 32,903,643	6	\$ 333,799,469	\$ 314,587,560	6
Miscellaneous	223,323	308,251	(28)	2,685,899	1,808,644	49
Total	35,255,752	33,211,894	6	336,485,368	316,396,204	6
Bad debt expense	(91,500)	(86,583)	6	(915,000)	(865,833)	6
Total revenues	35,164,252	33,125,311	6	335,570,368	315,530,371	6
Operating and maintenance expenses						
Production fuel	21,081,903	19,457,438	8	199,602,797	179,331,515	11
Other production	1,441,363	1,425,830	1	12,977,304	14,024,616	(7)
	22,523,266	20,883,268	8	212,580,101	193,356,131	10
Depreciation	3,068,958	3,479,274	(12)	31,141,855	32,174,360	(3)
Energy conversion cost	1,013,318	1,325,326	(24)	11,894,586	14,759,986	(19)
Transmission & distribution	1,549,107	1,128,694	37	10,632,739	10,805,873	(2)
Customer accounting	560,650	442,536	27	4,511,289	4,381,963	3
Administrative & general	2,633,524	2,713,341	(3)	25,701,489	25,518,839	1
Total operating and maintenance expenses	31,348,823	29,972,439	5	296,462,059	280,997,152	6
Operating income	3,815,429	3,152,872	21	39,108,309	34,533,219	13
Other income (expenses)						
Interest income	347,050	317,765	9	3,753,171	2,363,398	59
Interest expense and amortization	(2,422,218)	(2,553,542)	(5)	(24,208,466)	(26,582,184)	(9)
Bond issuance costs	88,022	67,464	30	879,220	(1,844,201)	(148)
Bid bond forfeiture	1,245,000	0		0	0	
Allowance for funds used during construction	0	128,957		0	1,439,407	
Losses due to typhoon	0	0		(688,612)	0	
Other expense	(4,295)	(300,336)	(99)	(42,917)	(830,810)	(95)
Total other income (expenses)	(746,441)	(2,339,692)	(68)	(20,307,604)	(25,454,390)	(20)
Income (loss) before capital contributions	3,068,988	813,180	277	18,800,705	9,078,829	107
Capital contributions	0	0	0	215,537	102,672	110
Increase (decrease) in net assets	3,068,988	813,180	277	19,016,242	9,181,501	107
Total net assets at beginning of period (restated)	(2,361,396)	118,544,878	(102)	(18,308,650)	110,176,557	(117)
Total net assets at end of period	\$ 707,592	\$ 119,358,058	(99)	\$ 707,592	\$ 119,358,058	(99)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Cash Flows Period Ended July 31, 2019		
	Month Ended 7/31/2019	YTD Ended 7/31/2019
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	\$ 38,162,436	\$ 329,349,234
Cash payments to suppliers and employees for goods and services	31,568,168	267,152,610
Net cash provided by operating activities	\$ 6,594,268	\$ 62,196,624
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	347,050	3,753,171
Net cash provided by investing activities	\$ 347,050	\$ 3,753,171
Cash flows from non-capital financing activities		
Interest paid on short term debt	(7,992)	(69,026)
Provision for self insurance funds	-	(71,921)
Net cash provided by noncapital financing activities	\$ (7,992)	\$ (140,947)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(2,215,016)	(24,841,324)
Principal paid on bonds and other long-term debt	-	(1,630,000)
Interest paid on bonds(net of capitalized interest)	-	(28,066,875)
Interest paid on capital lease obligations	(86,552)	(853,580)
Interest & principal funds held by trustee	(3,680,842)	(7,178,932)
Reserve funds held by trustee	(35,522)	65,522
Bond funds held by trustee	224,393	19,484,648
Principal payment on capital lease obligations	(628,857)	(12,195,107)
Grant from DOI/FEMA	-	215,537
Debt issuance costs/loss on defeasance	(321,537)	(3,214,370)
Net cash provided by (used in) capital and related financing activities	(6,743,933)	(58,214,481)
Net (decrease) increase in cash and cash equivalents	\$ 189,393	\$ 7,594,367
Cash and cash equivalents, beginning	149,988,444	142,583,470
Cash and cash equivalents-Funds held by GPA, July 31, 2019	\$ 150,177,837	\$ 150,177,837

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Cash Flows, continued Period Ended July 31, 2019		
	Month Ended 7/31/2019	YTD Ended 7/31/2019
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	\$ 3,815,429	\$ 39,108,309
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	3,068,958	31,141,855
Other expense	1,328,727	147,691
(Increase) decrease in assets:		
Accounts receivable	2,965,952	(6,243,767)
Materials and inventory	218,914	(200,435)
Fuel inventory	(1,091,166)	21,701,202
Prepaid expenses	509,889	(3,552,130)
Unamortized debt issuance cost	23,524	235,240
Deferred fuel revenue	1,794,372	(1,854,807)
Unamortized loss on debt refunding	196,711	1,967,110
Unamortized forward delivery contract costs	13,280	132,800
Increase (decrease) in liabilities:		
Accounts payable-operations	(4,498,751)	(16,911,761)
Accounts payable-others	(912,020)	335,372
Accrued payroll and employees' benefits	503,537	(58,353)
Net pension liability	(276,349)	(2,993,011)
Employees' annual leave	(62,116)	81,632
Customers deposits	(955,955)	(362,889)
Customer advances for construction	-	9,247
Unearned forward delivery contract revenue	(48,668)	(486,681)
Net cash provided by operating activities	\$ 6,594,268	\$ 62,196,624

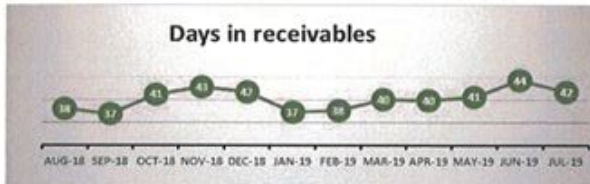
Guam Power Authority
Financial Analysis
July 31, 2019

Quick Ratio

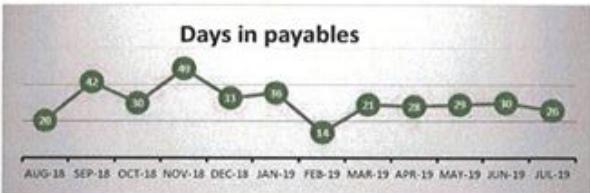
A	Reserve Funds Held by GPA	150,177,837
B	Current Accounts Receivable	45,498,009
C	Total Cash and A/R (A+B)	195,675,846
D	Total Current Liabilities	73,502,137
E	Quick Ratio (F/G)	2.66

**Days in Receivables**

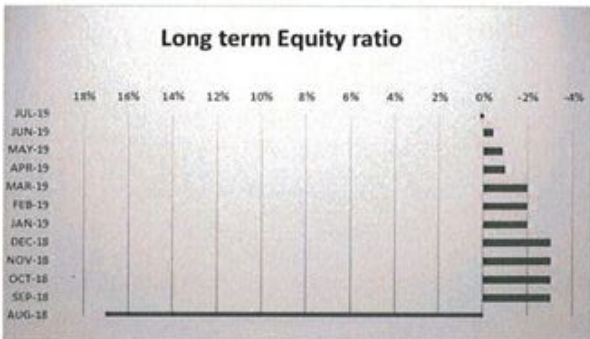
A	FY 18 Moving 12 Mos.-Actual	397,540,781
B	No. of Days	365
C	Average Revenues per day (A/B)	1,089,153
D	Current Accounts Receivable	45,498,009
E	Days in Receivables (D/C)	42

**Days in Payables**

A	FY 18 Moving 12 Months-Actual	437,901,050
B	No. of Days	365
C	Average Payables per day (A/B)	1,199,729
D	Current Accounts Payables	31,005,177
E	Days in Payables (D/C)	26

**Long term equity ratio**

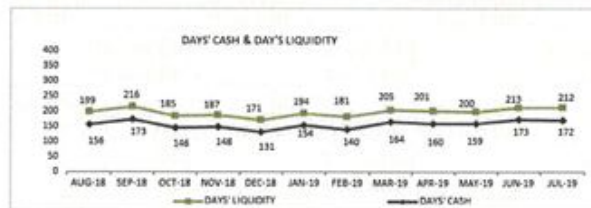
A	Equity	\$ 707,591.00
B	Total Long term Liability	\$ 550,146,250.00
C	Total Equity and liability	\$ 550,853,841.00
D	Long term equity ratio (A/C)	0.13%

**Days cash on hand**

A	Unrestricted cash & cash equivalents	150,178
B	No. of Days -YTD	304
C	A x B	45,654,062
D	Total Operating expenses excluding depreciation	265,320
E	Days cash on hand	172

Days' Liquidity

A	Unrestricted cash , cash equivalents & revolving Credit	185,178
B	No. of Days -YTD	304
C	A x B	56,294,062
D	Total Operating expenses excluding depreciation	265,320
E	Days liquidity	212



GPA 302
09-Aug-19

**GUAM POWER AUTHORITY
ACCRUED REVENUE
JULY 2019**

	FOR THE MONTH ENDED		TEN MONTHS ENDED	
	JULY		JULY	
	2019	2018	2019	2018
KWH SALES:				
Residential	45,512,584	41,361,122	415,074,061	418,390,923
Small Gen. Non Demand	6,192,199	6,743,157	65,775,705	68,553,439
Small Gen. Demand	17,132,421	15,161,689	155,058,999	155,303,386
Large General	25,960,590	25,339,577	250,977,075	259,070,026
Independent Power Producer	34,342	30,088	318,747	419,755
Private St. Lights	31,882	34,288	329,425	334,612
Sub-total	94,864,018	88,669,920	887,534,012	902,072,142
Government Service:				
Small Non Demand	745,870	1,128,046	11,244,364	12,031,467
Small Demand	8,806,768	7,182,975	80,403,644	78,222,446
Large	6,026,050	5,707,305	59,627,703	62,597,150
Street Lighting	763,574	903,135	7,665,407	7,468,888
Sub-total	16,342,261	14,921,461	158,941,118	160,319,952
Total	111,206,280	103,591,381	1,046,475,130	1,062,392,094
U. S. Navy	27,997,548	25,089,942	261,374,670	258,377,165
GRAND TOTAL	139,203,828	128,681,323	1,307,849,800	1,320,769,259
REVENUE:				
Residential	\$ 11,397,991	\$ 10,379,963	\$ 103,987,966	\$ 98,516,278
Small Gen. Non Demand	\$ 1,835,976	\$ 1,975,429	\$ 19,233,783	\$ 18,922,871
Small Gen. Demand	\$ 4,665,289	\$ 4,181,623	\$ 42,473,035	\$ 40,168,823
Large General	\$ 6,607,718	\$ 6,510,707	\$ 64,588,460	\$ 62,321,065
Independent Power Producer	\$ 8,337	\$ 9,619	\$ 87,203	\$ 100,794
Private St. Lights	\$ 25,412	\$ 26,302	\$ 258,054	\$ 256,458
Sub-total	\$ 24,540,723	\$ 23,083,643	\$ 230,628,501	\$ 220,286,289
Government Service:				
Small Non Demand	\$ 235,628	\$ 343,795	\$ 3,435,301	\$ 3,455,544
Small Demand	\$ 2,494,451	\$ 2,081,391	\$ 23,112,731	\$ 21,222,070
Large	\$ 1,655,430	\$ 1,609,173	\$ 16,537,148	\$ 16,438,532
Street Lighting	\$ 482,461	\$ 568,447	\$ 4,834,514	\$ 4,580,813
Sub-total	\$ 4,867,971	\$ 4,602,806	\$ 47,919,693	\$ 45,696,960
Total	\$ 29,408,694	\$ 27,686,449	\$ 278,548,194	\$ 265,983,249
U. S. Navy	\$ 5,623,735	\$ 5,217,194	\$ 55,251,273	\$ 48,604,311
GRAND TOTAL	\$ 35,032,429	\$ 32,903,643	\$ 333,799,467	\$ 314,587,559
NUMBER OF CUSTOMERS:				
Residential	44,408	44,003	44,174	44,018
Small Gen. Non Demand	4,197	4,183	4,187	4,155
Small Gen. Demand	1,014	982	986	985
Large General	120	119	119	119
Independent Power Producer	2	2	2	3
Private St. Lights	519	531	522	530
Sub-total	50,260	49,820	49,990	49,809
Government Service:				
Small Non Demand	671	690	676	686
Small Demand	381	351	356	351
Large	43	47	43	47
Street Lighting	619	612	625	463
Sub-total	1,714	1,700	1,699	1,547
Total	51,974	51,520	51,689	51,356
US Navy	1	1	1	1
	51,975	51,521	51,690	51,357

GPA403
01-Aug-19GUAM POWER AUTHORITY
ACCURED REVENUE

	TWELVE MONTHS ENDING	MONTHS ENDING											
		July 2019	June 2019	May 2019	APRIL 2019	MARCH 2019	FEBRUARY 2019	JANUARY 2019	DECEMBER 2018	NOVEMBER 2018	OCTOBER 2018	SEPTEMBER 2018	AUGUST 2018
KWH SALES:													
Residential	492,029,886	45,512,584	46,544,816	45,501,332	42,026,049	40,396,608	33,484,048	36,661,315	41,291,151	41,148,899	42,104,270	37,207,411	39,744,314
Small General Non Demand	78,641,870	6,193,199	7,133,817	6,755,836	7,066,118	6,549,299	5,421,948	6,232,665	6,871,789	6,712,433	6,782,312	6,071,467	6,727,467
Large General Demand	184,360,766	17,132,421	16,198,923	16,473,837	15,551,604	15,250,814	13,414,678	14,926,054	15,425,672	15,044,686	15,632,312	14,016,102	15,283,662
Small General	299,275,297	25,960,582	25,960,882	25,831,230	24,717,184	24,793,966	22,118,423	24,886,497	25,790,483	26,074,017	26,074,017	24,098,211	25,283,662
Private Outdoor Lighting	397,870	31,882	34,779	33,473	30,460	32,171	32,786	32,878	33,401	33,884	33,531	34,533	34,533
Independent Power Producer	378,706	34,342	33,644	31,329	28,130	34,407	25,891	36,117	28,494	35,887	30,526	23,708	30,251
Sub-Total	1,055,084,395	94,864,018	95,761,882	95,027,036	89,419,645	87,060,454	74,497,653	82,755,426	89,440,990	89,029,886	89,617,042	80,992,253	86,558,130
Government Service:													
Small Non Demand	13,539,482	745,870	1,225,034	1,265,906	1,195,478	1,192,592	1,019,279	1,066,520	1,218,540	1,096,422	1,218,809	1,089,787	1,205,730
Small Demand	95,127,135	8,806,768	7,970,826	8,650,402	8,019,578	8,144,780	7,207,579	7,752,535	8,101,721	7,758,614	7,984,760	7,082,161	7,641,330
Large	71,680,860	6,026,050	5,952,166	6,244,614	5,914,002	5,983,822	5,712,740	5,712,297	6,098,140	5,989,384	6,263,407	5,873,716	6,179,381
Street Lighting (Agencies)	9,242,736	753,574	710,958	838,818	753,841	710,856	791,782	716,535	805,864	744,005	820,343	734,966	842,364
Sub-Total	189,590,613	16,342,251	15,858,964	17,099,740	15,892,823	16,020,021	14,292,380	15,316,487	16,230,064	15,289,026	16,287,320	14,780,650	15,868,805
U.S. Navy	1,244,675,007	111,205,280	111,620,826	112,158,776	105,312,448	103,092,475	86,170,044	98,071,514	105,671,074	104,648,912	105,504,382	95,772,442	102,428,935
Total	309,457,877	27,997,548	27,082,742	28,285,054	27,083,234	26,077,043	22,398,909	24,517,651	26,516,827	24,888,490	26,594,373	23,161,867	24,921,140
Grand Total	1,554,132,685	139,203,828	138,703,568	140,411,830	132,385,702	129,170,318	111,158,952	122,589,564	132,189,902	129,537,402	132,488,734	118,934,809	127,248,076
REVENUE:													
Residential	123,295,119	11,397,991	11,569,285	11,457,099	10,559,992	10,171,326	8,491,117	9,109,499	10,347,514	10,286,420	10,597,812	9,335,975	9,971,178
Small General Non Demand	22,889,732	1,835,976	2,080,263	1,943,284	2,088,044	1,937,286	1,599,484	1,844,100	2,002,603	1,938,660	1,995,093	1,793,407	1,962,511
Large General Demand	50,558,161	4,665,289	4,374,426	4,442,708	4,275,919	4,237,397	3,714,204	4,133,462	4,234,344	4,091,967	4,301,177	3,992,548	4,192,538
Small General	77,186,456	6,607,718	6,673,278	6,651,444	6,321,363	6,436,787	5,718,637	6,433,966	6,618,506	6,715,109	6,387,272	6,170,948	6,437,049
Private Outdoor Lighting	310,635	25,412	26,200	25,670	23,155	25,651	25,784	26,100	25,860	26,021	26,201	26,392	26,189
Independent Power Producer	103,519	6,701	6,701	6,600	9,896	9,896	7,681	10,117	7,355	10,699	8,507	6,392	7,924
Sub-Total	274,443,643	24,540,723	24,712,154	24,693,115	23,273,783	22,828,405	19,616,518	21,550,243	23,236,182	23,068,875	23,297,103	21,227,703	22,587,439
Government Service:													
Small Non Demand	4,137,647	235,628	373,461	383,585	361,853	364,404	311,171	328,264	373,332	335,403	368,179	335,723	366,623
Small Demand	27,420,920	2,494,421	2,319,401	2,465,281	2,284,016	2,383,416	2,065,940	2,248,023	2,372,119	2,230,742	2,289,243	2,104,471	2,213,718
Large	18,451,228	1,655,420	1,659,702	1,742,811	1,632,794	1,688,683	1,458,275	1,614,932	1,688,766	1,646,650	1,724,265	1,580,530	1,733,549
Street Lighting (Agencies)	8,811,145	4,882,491	4,871,543	4,897,865	4,852,529	4,872,435	4,488,536	4,656,799	4,998,967	4,879,197	4,866,827	4,477,638	4,990,032
Sub-Total	57,330,977	4,884,107	4,884,107	5,090,541	4,761,191	4,888,538	4,358,222	4,656,799	4,933,204	4,691,993	4,891,993	4,432,921	4,812,921
U.S. Navy	65,706,161	5,623,735	5,373,008	5,183,974	4,925,354	5,245,421	5,307,473	5,221,857	5,266,617	5,152,798	5,951,036	5,271,574	5,243,314
Grand Total	397,540,781	35,032,429	35,909,269	34,787,531	32,982,328	32,942,764	29,282,613	31,437,899	33,436,004	33,913,666	34,114,966	31,097,639	32,643,674
NUMBER OF CUSTOMERS:													
Residential	44,136	44,408	44,329	44,640	44,200	44,144	44,018	44,091	43,920	43,876	44,112	43,887	44,005
Small General Non Demand	4,184	4,197	4,211	4,213	4,185	4,183	4,173	4,180	4,166	4,176	4,163	4,159	4,165
Large General Demand	986	1,014	971	983	985	985	984	986	987	981	984	982	984
Small General	119	120	119	119	118	121	119	119	118	119	117	118	118
Private Outdoor Lighting	523	519	520	520	522	523	521	522	523	524	527	525	525
Independent Power Producer	2	2	2	2	2	2	2	2	2	3	3	3	3
Sub-Total	49,949	50,260	50,152	50,477	50,012	49,958	49,817	49,900	49,716	49,679	49,926	49,674	49,820
Government Service:													
Small Non Demand	677	671	676	676	672	675	678	679	683	667	666	677	683
Small Demand	355	381	356	355	356	357	357	356	360	327	352	353	354
Large	44	43	43	42	42	42	42	42	47	38	47	47	47
Street Lighting (Agencies)	624	619	618	618	621	629	628	628	628	628	629	627	614
Sub-Total	1,700	1,693	1,693	1,691	1,691	1,703	1,705	1,705	1,718	1,660	1,714	1,704	1,688
U.S. Navy	51,649	51,974	51,845	52,168	51,703	51,661	51,532	51,605	51,434	51,339	51,640	51,378	51,518
Total	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	51,650	51,975	51,846	52,169	51,704	51,662	51,533	51,606	51,435	51,340	51,641	51,379	51,519

GPA003

**GUAM POWER AUTHORITY
ACCRUED REVENUE
JULY 2019**

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE	BASE RATE REVENUE	AVERAGE PER CUSTOMER	NON-FUEL	FUEL
			AMOUNT C/KWH	AMOUNT C/KWH	REVENUE C/KWH	AMOUNT C/KWH	AMOUNT C/KWH
North							
R Residential	44,408	45,512,584	\$ 11,397,991	\$ 25.04	\$ 1,025	\$ 267	\$ 15.42
G Small Gen. Non Demand	4,197	6,192,189	\$ 1,835,976	\$ 29.65	\$ 1,475	\$ 437	\$ 15.42
J Small Gen. Demand	1,014	17,132,421	\$ 4,665,289	\$ 27.23	\$ 4,601	\$ 11.81	\$ 15.42
P Large General	120	25,980,590	\$ 6,607,718	\$ 25.45	\$ 216,338	\$ 55,084	\$ 15.35
I Independent Power Producer	2	34,342	\$ 8,337	\$ 24.28	\$ 17,171	\$ 9,388	\$ 15.35
H Private St. Lights	519	31,882	\$ 25,412	\$ 79.71	\$ 61	\$ 49	\$ 14.90
Sub-Total	50,200	94,864,018	\$ 24,540,723	\$ 25.67	\$ 1,887	\$ 488	\$ 15.42
Government Service							
S Small Non Demand	671	745,870	\$ 235,628	\$ 31.59	\$ 1,112	\$ 351	\$ 15.42
K Small Demand	381	8,806,768	\$ 2,494,451	\$ 28.32	\$ 23,115	\$ 6,547	\$ 15.42
L Large	43	6,026,050	\$ 1,655,430	\$ 27.47	\$ 140,141	\$ 38,498	\$ 15.23
F Street Lighting (Agencies)	619	763,574	\$ 482,461	\$ 63.18	\$ 1,234	\$ 779	\$ 15.42
Sub-Total	1,714	16,342,261	\$ 4,867,971	\$ 29.79	\$ 9,535	\$ 2,840	\$ 15.42
U.S. Navy	1	111,206,280	\$ 29,408,694	\$ 26.45	\$ 2,140	\$ 566	\$ 15.42
Sub-Total	1	27,997,548	\$ 5,623,735	\$ 20.09			\$ 14.15
TOTAL	51,975	139,203,828	\$ 35,032,429	\$ 25.17	\$ 2,678	\$ 674	\$ 15.14
Ten Months Ended July 2019							
R Residential	44,174	415,074,061	\$ 103,987,996	\$ 25.05	\$ 9,396	\$ 2,354	\$ 15.42
G Small Gen. Non Demand	4,187	65,775,705	\$ 19,233,783	\$ 29.24	\$ 15,711	\$ 4,594	\$ 15.42
J Small Gen. Demand	986	155,058,999	\$ 42,473,035	\$ 27.39	\$ 157,281	\$ 43,078	\$ 15.42
P Large General	119	250,877,075	\$ 64,588,460	\$ 25.73	\$ 2,110,625	\$ 543,217	\$ 15.35
I Independent Power Producer	2	318,747	\$ 87,203	\$ 27.38	\$ 144,885	\$ 39,638	\$ 14.88
H Private St. Lights	522	329,425	\$ 258,054	\$ 78.33	\$ 631	\$ 494	\$ 15.42
Sub-Total	49,980	887,534,012	\$ 230,628,501	\$ 25.99	\$ 17,754	\$ 4,614	\$ 15.40
Government Service							
S Small Non Demand	677	11,244,364	\$ 3,435,301	\$ 30.55	\$ 16,611	\$ 5,075	\$ 15.13
K Small Demand	355	80,403,644	\$ 23,112,731	\$ 28.75	\$ 226,277	\$ 65,045	\$ 15.42
L Large	44	59,627,703	\$ 16,537,148	\$ 27.73	\$ 1,370,752	\$ 380,164	\$ 15.24
F Street Lighting (Agencies)	624	7,695,407	\$ 4,834,514	\$ 63.07	\$ 12,286	\$ 7,749	\$ 15.42
Sub-Total	1,700	158,941,118	\$ 47,919,693	\$ 30.15	\$ 93,513	\$ 28,184	\$ 15.35
U.S. Navy	1	1,046,475,130	\$ 278,548,194	\$ 26.62	\$ 20,245	\$ 5,389	\$ 15.22
Sub-Total	1	261,374,670	\$ 55,251,273	\$ 21.14			\$ 14.73
TOTAL	51,690	1,307,849,800	\$ 333,799,467	\$ 25.52	\$ 25,302	\$ 6,458	\$ 15.26
Twelve Months Ended July 2019							
R Residential	44,136	492,029,886	\$ 123,295,119	\$ 25.06	\$ 11,148	\$ 2,794	\$ 15.42
G Small Gen. Non Demand	4,184	78,641,870	\$ 22,989,752	\$ 29.23	\$ 18,793	\$ 5,484	\$ 15.42
J Small Gen. Demand	986	184,360,785	\$ 50,558,161	\$ 27.42	\$ 187,073	\$ 51,302	\$ 15.42
P Large General	119	259,275,297	\$ 77,186,456	\$ 25.79	\$ 2,520,713	\$ 649,991	\$ 15.35
I Independent Power Producer	2	307,705	\$ 103,519	\$ 27.34	\$ 182,303	\$ 44,305	\$ 15.42
H Private St. Lights	523	387,870	\$ 310,633	\$ 78.07	\$ 761	\$ 594	\$ 15.42
Sub-Total	49,949	1,055,084,395	\$ 274,443,643	\$ 26.01	\$ 21,123	\$ 5,494	\$ 15.40
Government Service							
S Small Non Demand	677	13,539,882	\$ 4,137,647	\$ 30.56	\$ 20,002	\$ 6,112	\$ 15.13
K Small Demand	355	95,127,135	\$ 27,430,820	\$ 28.84	\$ 287,712	\$ 77,198	\$ 15.42
L Large	44	71,650,860	\$ 19,951,226	\$ 27.83	\$ 1,647,936	\$ 458,649	\$ 15.24
F Street Lighting (Agencies)	624	9,242,736	\$ 5,811,183	\$ 62.87	\$ 14,514	\$ 9,314	\$ 15.42
Sub-Total	1,700	189,590,613	\$ 57,330,977	\$ 30.24	\$ 11,546	\$ 3,731	\$ 15.35
U.S. Navy	1	1,244,675,007	\$ 331,774,620	\$ 26.66	\$ 24,099	\$ 5,925	\$ 15.22
Sub-Total	1	309,457,677	\$ 65,766,161	\$ 21.25			\$ 14.80
TOTAL	51,650	1,554,132,685	\$ 397,540,781	\$ 25.58	\$ 30,090	\$ 7,697	\$ 15.29

GPA-318
318d119ENERGY ACCOUNT
FY 2019 Versus FY 2018

FOR INTERNAL USE ONLY

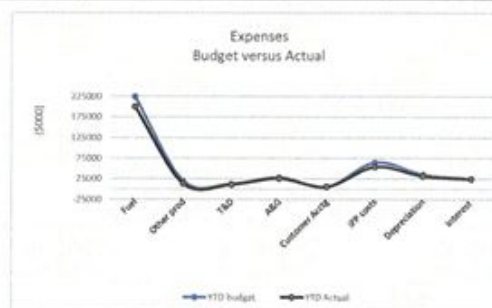
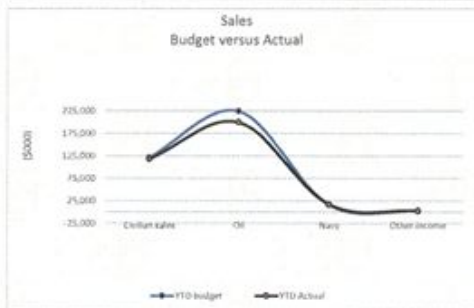
Gross Generation Number of days in Period Peak demand Date	July 2019		July 2018		Y T D 2019		Y T D 2018		MOVING TWELVE MONTHS	
	KWH	% change	KWH	% change	KWH	% change	KWH	% change	KWH	% change
Energy Account:										
Kilowatt hours GPA:										
Cabrera 1 & 2	69,942,000		44,590,000		631,963,000		544,441,000		718,757,000	
Cabrera No. 3	0		0		0		0		0	
Cabrera No. 4	0		0		0		0		0	
MEC (ENRON) Pkg 8 (IPP)	31,590,300		27,134,300		229,353,600		267,891,400		279,836,100	
MEC (ENRON) Pkg 9 (IPP)	21,048,070		24,960,900		250,374,370		273,050,200		301,160,070	
TEEMES Pkg 7 (IPP)	1,831,575		6,556,185		44,618,611		23,175,648		61,756,460	
Tangusson 2	0		0		0		0		0	
Tangusson 1	0		0		0		0		0	
Direct/CT's & Others:										
MDI 10MW	0		16,756		702,690		971,636		1,031,312	
NRG Solar Dardun	4,071,923		3,216,552		41,244,947		39,687,744		47,858,549	
Dododo CT #1	68,020		\$85,620		4,884,390		7,223,220		9,467,240	
Dododo CT #2	111,330		1,016,520		7,526,300		7,067,930		12,684,840	
Meckbach CT	3,742,185		4,305,002		44,762,335		45,356,134		47,760,943	
Vigo CT (Leased)	1,453,247		5,806,590		41,472,879		39,099,900		51,376,145	
Tenjo	2,672,230		3,015,110		22,869,590		38,375,730		25,991,990	
Tadodo 10 MW	979,250		493,350		6,752,280		13,297,320		6,766,860	
Aggreko	14,457,734		18,222,263		114,033,282		146,721,699		128,039,673	
Wind Turbine*	1,561		3,836		124,743		311,967		125,080	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
Ratio to last year	151,969,425		139,922,894		1,440,683,017		1,446,581,577		1,712,612,241	
Ratio to Gross generation	108.61		93.08		99.59		98.59		98.29	
Station use	6,205,104		4,743,461		55,957,483		52,110,922		66,562,502	
Ratio to Gross generation	4.08		3.39		3.88		3.60		3.89	
Net send out	145,764,321		135,179,434		1,384,725,534		1,394,470,605		1,646,049,739	
Ratio to last year	107.83		92.85		99.30		98.84		97.93	
KWH delivered:										
Sales to Navy (@34.5kW)	27,997,548		25,089,942		261,574,671		258,377,165		309,457,678	
Ratio to last year	111.59		89.95		101.16		97.47		99.22	
GPA-metered										
Ratio to last year	117,766,773		110,089,492		1,123,350,863		1,136,093,440		1,336,592,081	
Power factor adj.	0		0		0		0		0	
Adjusted	117,766,773		110,089,492		1,123,350,863		1,136,093,440		1,336,592,081	
GPA KWH Accountability:										
Sales to civilian customers-										
accreal basis	111,206,280		103,591,381		1,046,475,130		1,062,392,093		1,244,675,007	
Ratio to last year	107.35		93.05		98.50		98.99		97.19	
GPA use-KWH	397,237		356,321		3,454,356		3,265,724		4,076,201	
Unaccounted For	6,163,256		6,141,790		73,421,377		70,435,624		87,840,873	
Ratio to deliveries	5.23		5.58		6.54		6.20		6.57	
Ratio to Gross Generation	4.06		4.39		5.10		4.87		5.13	
Ratio to Net Send Out	4.23		4.54		5.30		5.05		5.34	

GPA-317Jul19

**Guam Power Authority
Fuel Consumption
FY 2019**

Description	July 2019		YEAR-TO-DATE		MOVING 12 MONTHS	
	BARRELS	AMOUNT	BARRELS	AMOUNT	BARREL S	AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	0	0	0
	0	0	0	0	0	0
GPA:						
RFO	111,212	\$7,984,321	1,195,964	\$ 88,309,459	1,350,651	\$ 99,504,868
Diesel	50,839	\$4,763,698	605,905	\$ 57,387,110	738,948	\$ 70,173,497
Low Sulfur	78,853	\$5,034,723	505,996	\$ 40,879,630	668,812	\$ 52,256,036
Deferred Fuel Costs	0	\$1,794,372	0	\$ (1,854,808)	0	\$ (1,802,675)
Fuel Adjustments	0	\$0		\$ 54,766	0	\$ (212,654)
Fuel Handling Costs	0	\$1,504,788	0	\$ 14,826,639	0	\$ 17,676,730
	240,904	\$21,081,903	2,307,864	\$ 199,602,797	2,758,411	\$ 237,595,802
IWPS:						
GPA RFO	111,212	\$7,984,321	1,195,964	\$ 88,309,459	1,350,651	\$ 99,504,868
Diesel	50,839	\$4,763,698	605,905	\$ 57,387,110	738,948	\$ 70,173,497
Low Sulfur	78,853	\$5,034,723	505,996	\$ 40,879,630	668,812	\$ 52,256,036
Deferred Fuel Costs	0	\$1,794,372	0	\$ (1,854,808)	0	\$ (1,802,675)
Fuel Variance	0	\$0		\$ 54,766		\$ (212,654)
Fuel Handling Costs	0	\$1,504,788	0	\$ 14,826,639	0	\$ 17,676,730
	240,904	\$21,081,903	2,307,864	\$ 199,602,797	2,758,411	\$ 237,595,802
AVERAGE COST/Bbl						
GPA RFO		\$71.79		\$73.84		\$73.67
Diesel		\$93.70		\$94.71		\$94.96
Low Sulfur		\$63.85		\$80.79		\$78.13
AS BURNED						
Cabras 1 & 2						
RFO	67,701	\$ 4,854,117	827,441	\$ 61,553,127	913,234	\$ 67,771,701
Low Sulfur	51,989	\$ 3,319,475	234,521	\$ 18,451,081	332,098	\$ 25,281,199
Diesel	83	\$ 7,122	1,484	\$ 140,811	1,839	\$ 175,647
	119,773	\$ 8,180,714	1,063,445	\$ 80,145,020	1,247,170	\$ 93,228,546
Cabras 3 & 4						
RFO	0	\$ -	0	\$ -	0	\$ -
Low Sulfur	0	\$ -	0	\$ -	0	\$ -
Diesel	0	\$ -	0	\$ -	0	\$ -
	0	\$ -	0	\$ -	0	\$ -
MEC (Piti Units 8&9)						
RFO	43,511	\$ 3,130,204	368,523	\$ 26,756,332	437,417	\$ 31,733,168
Low Sulfur	26,864	\$ 1,715,249	271,475	\$ 22,428,549	336,714	\$ 26,974,837
Diesel	5	\$ 374	35	\$ 2,469	64	\$ 4,533
	70,380	\$ 4,845,827	640,033	\$ 49,187,349	774,195	\$ 58,712,538
Diesel & CT's - GPA:						
MDI Dsl	0	\$ -	1,072	\$ 89,260	1,670	\$ 133,716
Macheche CT	8,400	\$ 756,945	97,088	\$ 9,078,426	103,491	\$ 9,684,946
Yigo CT	3,506	\$ 341,525	89,836	\$ 8,429,640	110,497	\$ 10,418,237
Talofoto 10 MW	1,705	\$ 165,053	11,866	\$ 1,093,899	11,866	\$ 1,093,899
Aggreko	26,862	\$ 2,458,927	210,723	\$ 19,587,600	236,413	\$ 22,176,157
Tenjo	4,666	\$ 506,507	40,387	\$ 4,271,774	45,760	\$ 4,811,105
TEMES (IPP)	4,982	\$ 467,001	115,032	\$ 11,040,769	159,727	\$ 15,338,578
GWA Generators	38	\$ 4,946	921	\$ 118,739	1,846	\$ 227,479
	50,751	\$ 4,756,202	604,386	\$ 57,243,830	737,045	\$ 69,993,317
Deferred Fuel Costs	0	\$ 1,794,372		\$ (1,854,808)		\$ (1,802,675)
Adjustment		\$ -		\$ 54,766		\$ (212,654)
Fuel Handling Costs	0	\$ 1,504,788		\$ 14,826,639		\$ 17,676,730
TOTAL	240,904	\$ 21,081,903	2,307,864	\$ 199,602,797	2,758,411	\$ 237,595,802

Statement of operations Comparison-Budget versus Actual For the month and year to date ended July 31, 2019						
	Budget	Actual July-19	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	112,347	111,206	1,141	1,082,403	1,047,010	35,393
Non-fuel yield	\$ 0.105185	\$ 0.110516	\$ (0.005330)	\$ 0.105185	\$ 0.112171	\$ (0.006985)
KwH Sales-Navy	27,087	27,998	(911)	257,421	262,547	(5,126)
Non-fuel yield	\$ 0.062350	\$ 0.059326	\$ 0.003024	\$ 0.062350	\$ 0.063813	\$ (0.001463)
Operating revenue						
Civilian sales	\$ 12,464	\$ 12,290	\$ 174	\$ 121,082	\$ 117,444	\$ 3,638
Oil	24,528	21,082	3,446	224,132	199,604	24,528
Navy	1,689	1,661	28	16,050	16,754	(704)
Other income	168	223	(55)	1,683	2,686	(1,003)
	\$ 38,849	\$ 35,256	\$ 3,593	\$ 362,947	\$ 336,488	\$ 26,459
Bad debts expense	92	92	-	915	915	-
Total operating revenues	\$ 38,757	\$ 35,165	\$ 3,593	\$ 362,032	\$ 335,573	\$ 26,459
Operating expenses:						
Production fuel	\$ 24,528	\$ 21,082	\$ 3,446	\$ 224,132	\$ 199,603	\$ 24,529
O & M expenses:						
Other production	1,971	1,441	530	19,949	12,977	6,972
Transmission distribution	1,207	1,549	(342)	12,053	10,633	1,420
Administrative expense	3,061	2,634	427	28,074	25,701	2,373
Customer accounting	470	561	(90)	4,062	4,511	(449)
	6,710	6,185	525	64,139	53,823	10,316
IPP costs	1,347	1,013	334	13,473	11,895	1,578
Depreciation	3,501	3,069	432	35,013	31,142	3,871
	\$ 36,086	\$ 31,349	\$ 4,738	\$ 336,757	\$ 296,462	\$ 40,295
Operating income	\$ 2,671	\$ 3,816	\$ (1,145)	\$ 25,275	\$ 39,111	\$ (13,836)
Other revenue (expenses):						
Investment income	177	347	(170)	1,770	3,753	(1,983)
Interest expense	(2,414)	(2,422)	9	(24,297)	(24,208)	(88)
AFUDC	202	-	202	2,017	-	2,017
Bid bond forfeiture	-	1,245	(1,245)	-	-	-
Losses due to typhoon	-	-	-	-	(689)	689
Bond issuance costs/Other expenses	142	84	59	1,423	836	587
Net income before capital contribution	778	3,070	(2,292)	6,188	18,803	(12,616)
Grants from the U.S. Government	-	-	-	-	216	(216)
Increase (decrease) in net assets	\$ 778	\$ 3,070	\$ (2,292)	\$ 6,188	\$ 19,019	\$ (12,831)



Guam Power Authority Debt service coverage July 31, 2019					
	2015	2016	Restated 2017	Audited 2018	YTD Unaudited 2019
Funds Available for Debt Service					
Earnings from Operations	\$ 48,758	\$ 37,981	\$ 36,522	\$ 38,164	\$ 39,108
Interest Income	256	57	122	620	2,798
Depreciation Expense	41,766	44,240	44,292	37,184	31,142
Balance Available for Debt Service	\$ 90,780	\$ 82,278	\$ 80,936	\$ 75,968	\$ 73,048
IPP - Capital Costs					
Principal	\$ 18,144	\$ 14,819	\$ 20,796	\$ 23,210	\$ 12,213
Interest	8,478	5,970	5,609	3,159	918
Total IPP Payments	\$ 26,622	\$ 20,789	\$ 26,400	\$ 26,369	\$ 13,131
Bond Debt Service					
Principal (1993 & 1999 Revenue Bond)	\$ -	\$ -	\$ -	\$ -	\$ -
Interest (1993 & 1999 Revenue Bond)	-	-	-	-	-
Principal and Interest (2010 Subordinate Bond)	9,605	-	-	-	-
Principal and Interest (2010 Senior TE Bond)	7,999	7,999	7,999	2,000	-
Principal and Interest (2012 Senior TE Bond)	17,096	17,098	17,449	17,086	26,223
Principal and Interest (2014 Senior TE Bond)	-	10	5,084	5,083	4,237
Principal and Interest (2017 Senior TE Bond)	-	-	-	5,916	6,339
Total	\$ 34,700	\$ 25,107	\$ 30,532	\$ 30,086	\$ 36,798
Debt Service Coverage (DSC) Calculation					
Existing DSC Methodology (Senior)	2.56 x	2.45 x	1.79 x	1.65 x	1.63 x
Existing DSC Methodology (Senior+Subordinate)	1.85 x	2.45 x	1.79 x	1.65 x	1.63 x
Bond Covenant DSC	3.62 x	3.28 x	2.65 x	2.53 x	1.99 x
Debt Service Coverage Requirements					
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75 x
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30 x
Minimum Bond Covenant Requirement (Subordinate Bond)	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x

Notes:

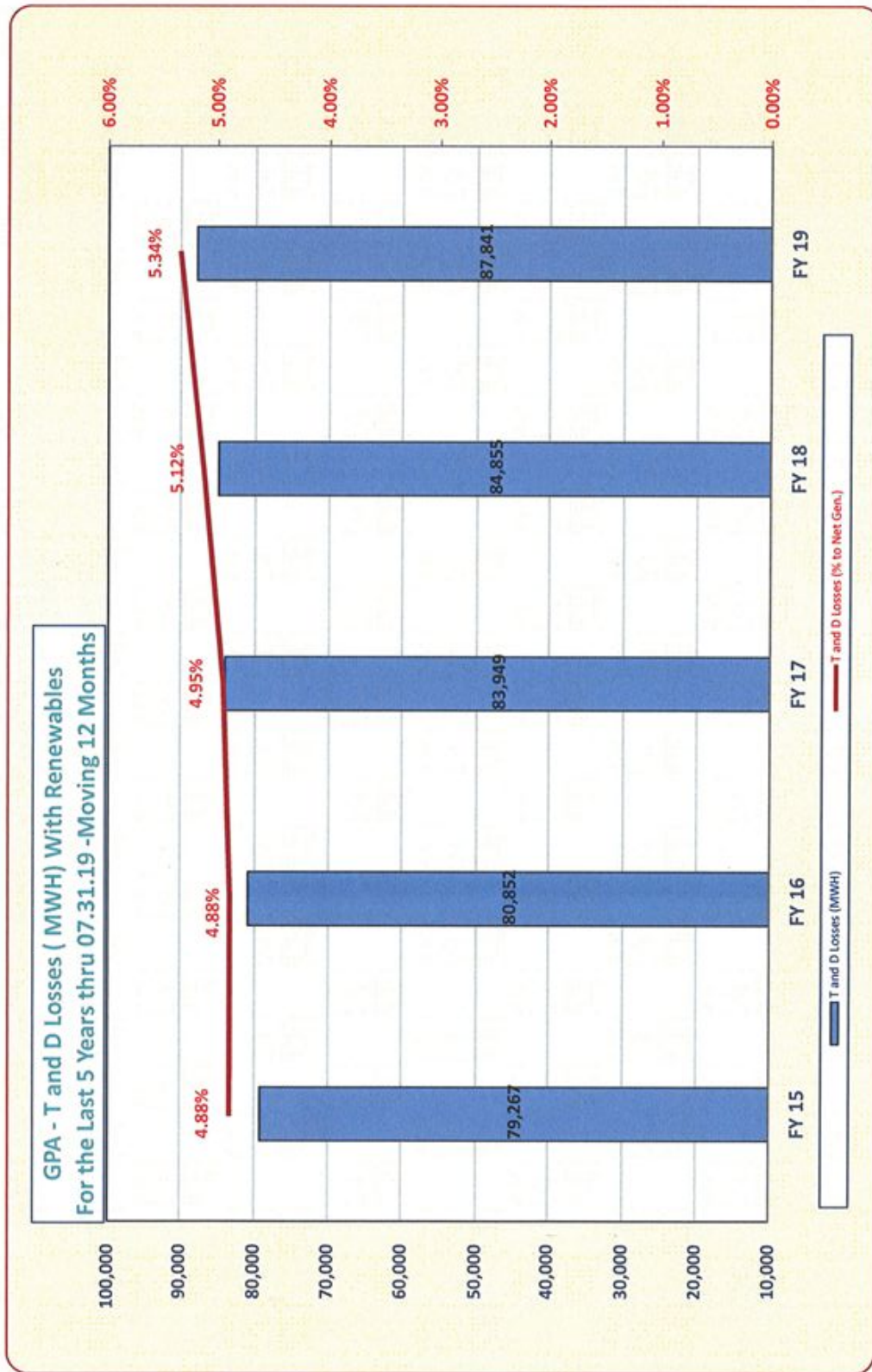
- (1) Source: Guam Power Authority, 2014 - 2018 Audited Financial Statements
- (2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit.
- (3) Existing DSC Methodology (Rating Agency Method):
(Operating Earnings + Depreciation Expense - IPP Principal & Interest Payments)/
(Senior and Subordinate Bond Principal & Interest Payments)
- (4) Bond Covenant DSC Methodology: (Operating Earnings + Depreciation Expense)/
(Senior and Subordinate Bond Principal & Interest Payments)

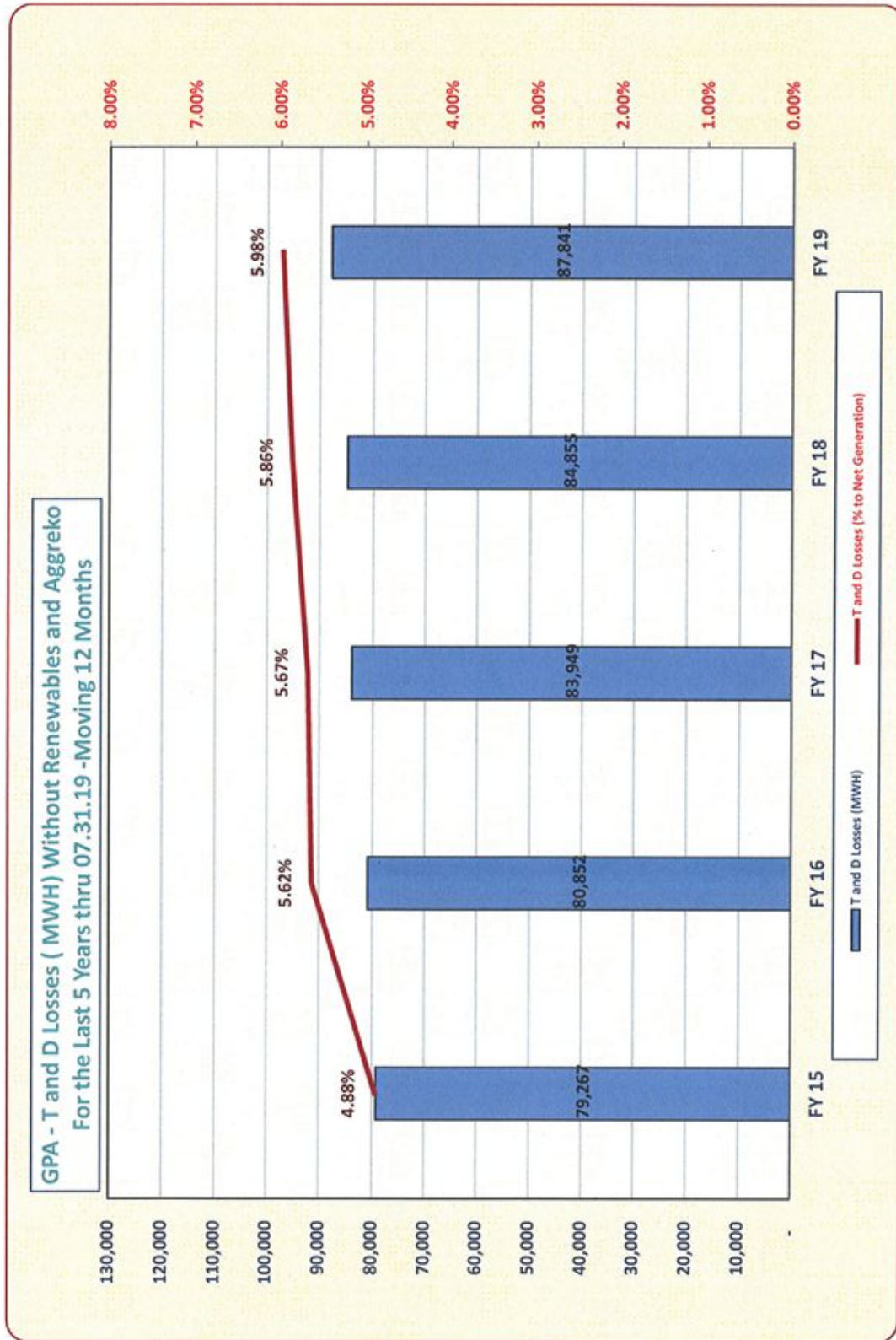
GPA Work Session - September 19, 2019 - DIVISION REPORTS

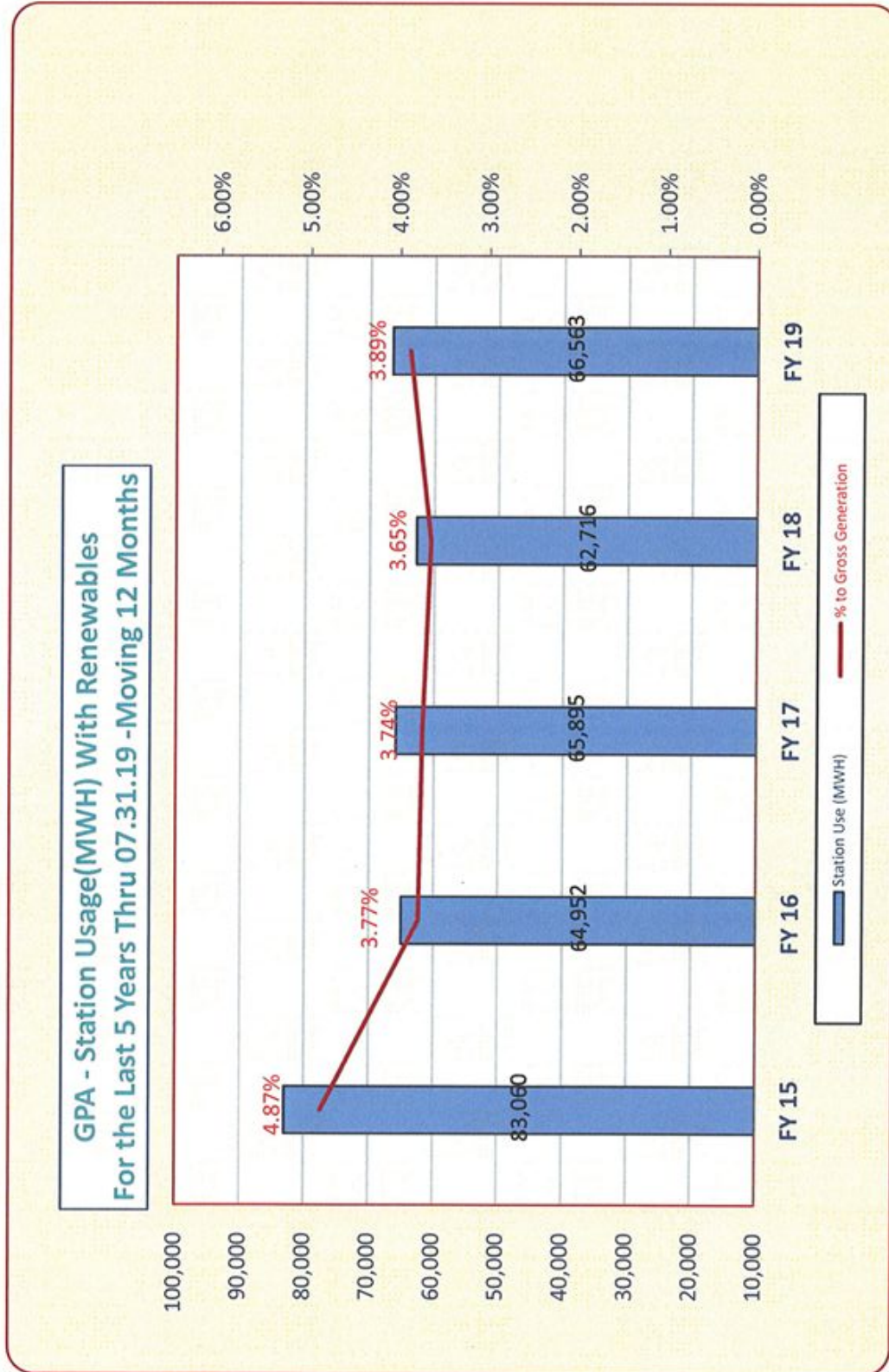
REVENUES-ACTUAL VS PROJECTIONS								
MONTHLY - JULY 2019					YTD THRU 07/31/19			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	45,934,952	45,512,584	(422,368)	-0.92%	428,246,577	415,074,061	(13,172,516)	-3.08%
Small General-Non-Demand	7,231,091	6,192,199	(1,038,892)	-14.37%	70,940,106	65,775,705	(5,164,401)	-7.28%
Small General-Demand	15,520,099	17,132,421	1,612,322	10.39%	154,869,805	155,058,999	189,194	0.12%
Large	27,444,137	25,960,590	(1,483,546)	-5.41%	265,239,409	250,977,075	(14,262,335)	-5.38%
Independent Power Producers	47,953	34,342	(13,611)	-28.38%	463,453	318,747	(144,706)	-31.22%
Private St. Lites	29,841	31,882	2,041	6.84%	322,372	329,425	7,053	2.19%
Sub-total	96,208,072	94,864,018	(1,344,054)	-1.40%	920,081,721	887,534,012	(32,547,709)	-3.54%
Government								
Small_Non Demand	1,307,460	745,870	(561,590)	-42.95%	11,889,908	11,244,364	(645,544)	-5.43%
Small-Demand	7,904,127	8,806,768	902,641	11.42%	80,054,178	80,403,644	349,466	0.44%
Large	6,342,389	6,026,050	(316,339)	-4.99%	63,108,075	59,627,703	(3,480,372)	-5.51%
Public St. Lites	584,936	763,574	178,638	30.54%	7,268,976	7,665,407	396,430	5.45%
Sub-total	16,138,911	16,342,261	203,351	1.26%	162,321,138	158,941,118	(3,380,020)	-2.08%
Total-Civilian	112,346,983	111,206,280	(1,140,703)	-1.02%	1,082,402,858	1,046,475,130	(35,927,729)	-3.32%
USN	27,087,272	27,997,548	910,276	3.36%	257,421,257	261,374,670	3,953,413	1.54%
Grand Total	139,434,255	139,203,828	(230,427)	-0.17%	1,339,824,116	1,307,849,800	(31,974,316)	-2.39%
Non-Oil Yield								
Residential	0.096102	0.096194	0.000092	0.10%	0.096102	0.096287	0.000185	0.19%
Small General-Non-Demand	0.136352	0.142256	0.005904	4.33%	0.136352	0.138173	0.001821	1.34%
Small General-Demand	0.119289	0.118135	(0.001154)	-0.97%	0.119289	0.119741	0.000452	0.38%
Large	0.103671	0.101073	(0.002598)	-2.51%	0.103671	0.103832	0.000161	0.16%
Independent Power Producers	0.120485	0.093759	(0.026726)	-0.00%	0.120485	0.124757	0.004272	0.00%
Private St. Lites	0.568458	0.642824	0.074366	13.08%	0.568458	0.629103	0.060645	10.67%
Sub-total	0.105185	0.104681	(0.000504)	-0.48%	0.105468	0.105830	0.000362	0.34%
Government								
Small_Non Demand	0.150024	0.161668	0.011644	7.76%	0.150024	0.151271	0.001247	0.83%
Small-Demand	0.134359	0.129000	(0.005359)	-3.99%	0.134359	0.133217	(0.001142)	-0.85%
Large	0.126658	0.122431	(0.004227)	-3.34%	0.126658	0.124967	(0.001691)	-1.34%
Public St. Lites	0.482817	0.477605	(0.005212)	-1.08%	0.482817	0.476450	(0.006367)	-1.32%
Sub-total	0.145231	0.144357	(0.000874)	-0.60%	0.148117	0.147953	(0.000164)	-0.11%
Total-Civilian	0.175911	0.110512	(0.065400)	-37.18%	0.167311	0.112228	(0.055083)	-32.92%
USN	0.062350	0.059324	(0.003026)	-4.85%	0.062350	0.064096	0.001746	2.80%
Grand Total	0.101499	0.100217	(0.001283)	-1.26%	0.102351	0.102609	0.000258	0.25%
Non-Oil Revenues								
Residential	4,414,441	4,378,039	(36,402)	-0.82%	41,155,353	39,966,113	(1,189,240)	-2.89%
Small General-Non-Demand	985,974	880,879	(105,095)	-10.66%	9,672,825	9,088,407	(584,418)	-6.04%
Small General-Demand	1,851,377	2,023,940	172,563	9.32%	18,474,264	18,566,850	92,585	0.50%
Large	2,845,161	2,623,916	(221,245)	-7.78%	27,497,635	26,059,548	(1,438,086)	-5.23%
Independent Power Producers	5,778	3,220	(2,558)	-44.27%	55,839	39,766	(16,073)	-28.79%
Private St. Lites	16,963	20,495	3,531	20.82%	183,255	207,242	23,987	13.09%
Sub-total	10,119,694	9,930,488	(189,206)	-1.87%	97,039,171	93,927,925	(3,111,245)	-3.21%
Government								
Small_Non Demand	196,150	120,584	(75,567)	-38.52%	1,783,772	1,700,948	(82,824)	-4.64%
Small-Demand	1,061,991	1,136,077	74,087	6.98%	10,755,999	10,711,112	(44,887)	-0.42%
Large	803,314	737,774	(65,540)	-8.16%	7,993,143	7,451,497	(541,646)	-6.78%
Public St. Lites	282,417	364,686	82,270	29.13%	3,509,585	3,652,186	142,601	4.06%
Sub-total	2,343,872	2,359,121	15,249	0.65%	24,042,499	23,515,743	(526,756)	-2.19%
Total-Civilian	12,463,566	12,289,609	(173,956)	-1.40%	121,081,669	117,443,668	(3,638,001)	-3.00%
USN	1,688,891	1,660,916	(27,975)	-1.66%	16,050,215	16,753,002	702,786	4.38%
Grand Total	14,152,457	13,950,526	(201,931)	-1.43%	137,131,885	134,196,670	(2,935,215)	-2.14%
% of Total Revenues	36.59%	39.82%			37.96%	40.20%		
Oil Revenues								
Residential	8,080,480	7,019,952	(1,060,528)	-13.12%	71,719,550	64,021,853	(7,697,697)	-10.73%
Small General-Non-Demand	1,272,031	955,097	(316,934)	-24.92%	11,874,958	10,145,376	(1,729,581)	-14.56%
Small General-Demand	2,730,162	2,641,349	(88,813)	-3.25%	25,903,236	23,906,186	(1,997,050)	-7.71%
Large	4,827,736	3,983,802	(843,934)	-17.48%	44,340,114	38,528,911	(5,811,203)	-13.11%
Independent Power Producers	8,435	5,117	(3,318)	-39.34%	77,475	47,438	(30,037)	-38.77%
Private St. Lites	5,249	4,918	(332)	-6.32%	53,453	50,811	(2,642)	-4.94%
Sub-total	16,924,094	14,610,235	(2,313,859)	-13.67%	153,968,786	136,700,576	(17,268,210)	-11.22%
Government								
Small_Non Demand	229,997	115,044	(114,953)	-49.98%	1,989,494	1,734,353	(255,141)	-12.82%
Small-Demand	1,390,426	1,358,373	(32,052)	-2.31%	13,375,088	12,401,619	(973,469)	-7.28%
Large	1,115,698	917,656	(198,042)	-17.75%	10,554,100	9,085,651	(1,468,449)	-13.91%
Public St. Lites	102,897	117,775	14,878	14.46%	1,210,682	1,182,328	(28,354)	-2.34%
Sub-total	2,839,018	2,508,850	(330,168)	-11.63%	27,129,364	24,403,950	(2,725,414)	-10.05%
Total-Civilian	19,763,112	17,119,084	(2,644,027)	-13.38%	181,098,151	161,104,527	(19,993,624)	-11.04%
USN	4,764,959	3,962,819	(802,140)	-16.83%	43,033,601	38,498,271	(4,535,330)	-10.54%
Grand Total	24,528,071	21,081,903	(3,446,168)	-14.05%	224,131,752	199,602,798	(24,528,954)	-10.94%
% of Total Revenues	63.41%	60.18%			62.04%	59.80%		
Grand Total								
Residential	12,494,921	11,397,991	(1,096,930)	-8.78%	112,874,903	103,987,966	(8,886,937)	-7.87%
Small General-Non-Demand	2,258,005	1,835,976	(422,029)	-18.69%	21,547,783	19,233,783	(2,314,000)	-10.74%
Small General-Demand	4,581,539	4,665,289	83,750	1.83%	44,377,500	42,473,035	(1,904,465)	-4.29%
Large	7,672,897	6,607,718	(1,065,179)	-13.88%	71,837,749	64,588,460	(7,249,289)	-10.09%
Independent Power Producers	14,213	8,337	(5,876)	-41.34%	133,315	87,204	(46,111)	-34.59%
Private St. Lites	22,213	25,412	3,199	14.40%	236,708	258,054	21,345	9.02%
Sub-total	27,043,788	24,540,723	(2,503,064)	-9.26%	251,007,957	230,628,502	(20,379,456)	-8.12%
Government								
Small_Non Demand	426,147	235,628	(190,519)	-44.71%	3,773,266	3,435,301	(337,965)	-8.96%
Small-Demand	2,452,416	2,494,451	42,034	1.71%	24,131,088	23,112,731	(1,018,357)	-4.22%
Large	1,919,013	1,655,430	(263,582)	-13.74%	18,547,242	16,537,147	(2,010,095)	-10.84%
Public St. Lites	385,314	482,461	97,148	25.21%	4,720,267	4,834,514	114,247	2.42%
Sub-total	5,182,890	4,867,971	(314,919)	-6.08%	51,171,863	47,919,693	(3,252,170)	-6.36%
Total-Civilian	32,226,677	29,408,694	(2,817,984)	-8.74%	302,179,820	278,548,195	(23,631,625)	-7.82%
USN	6,453,851	5,623,735	(830,115)	-12.86%	59,083,817	55,251,273	(3,832,544)	-6.49%
Grand Total	38,680,528	35,032,429	(3,648,099)	-9.43%	361,263,637	333,799,468	(27,464,169)	-7.60%

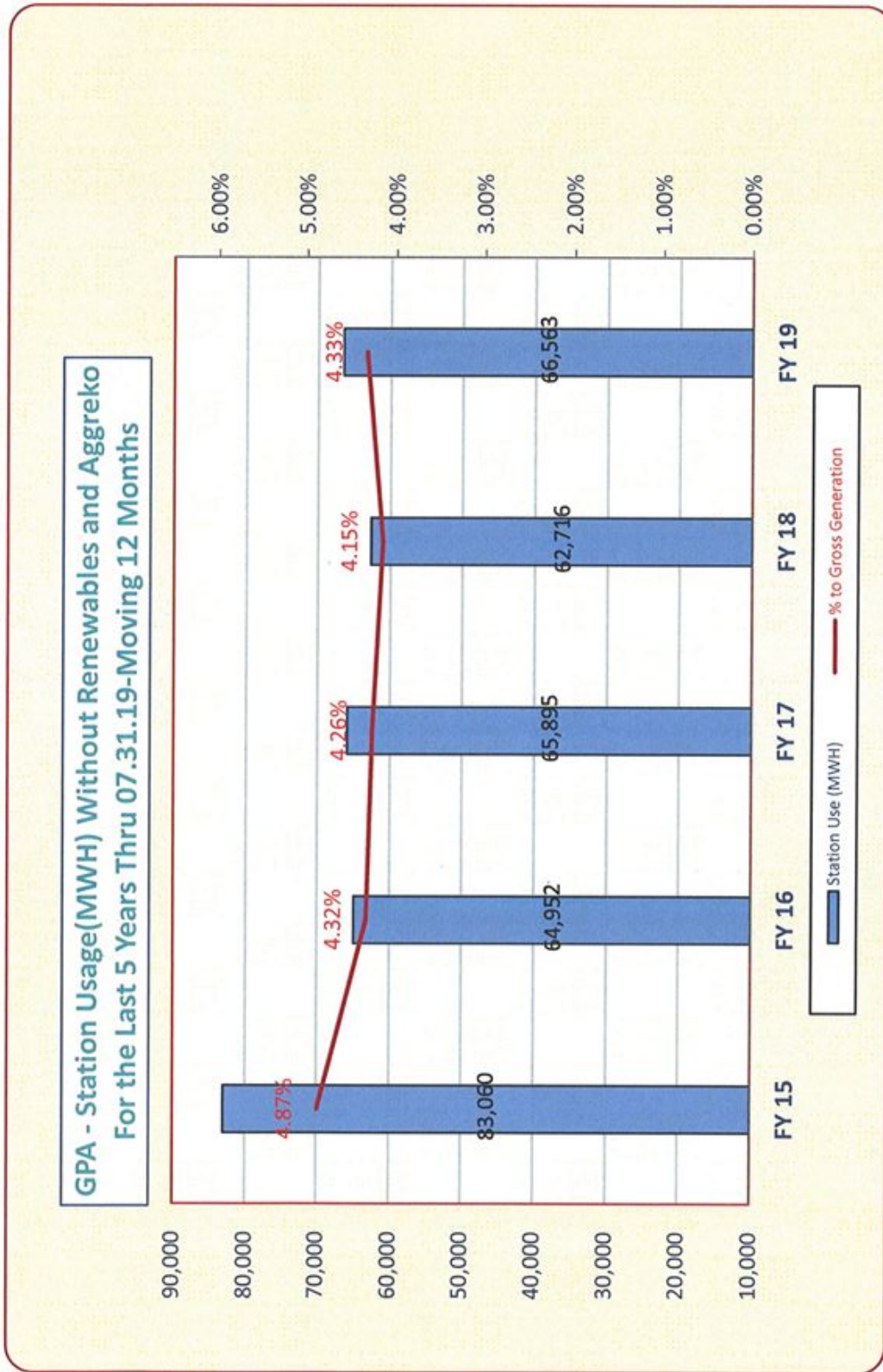
GPA Work Session - September 19, 2019 - DIVISION REPORTS

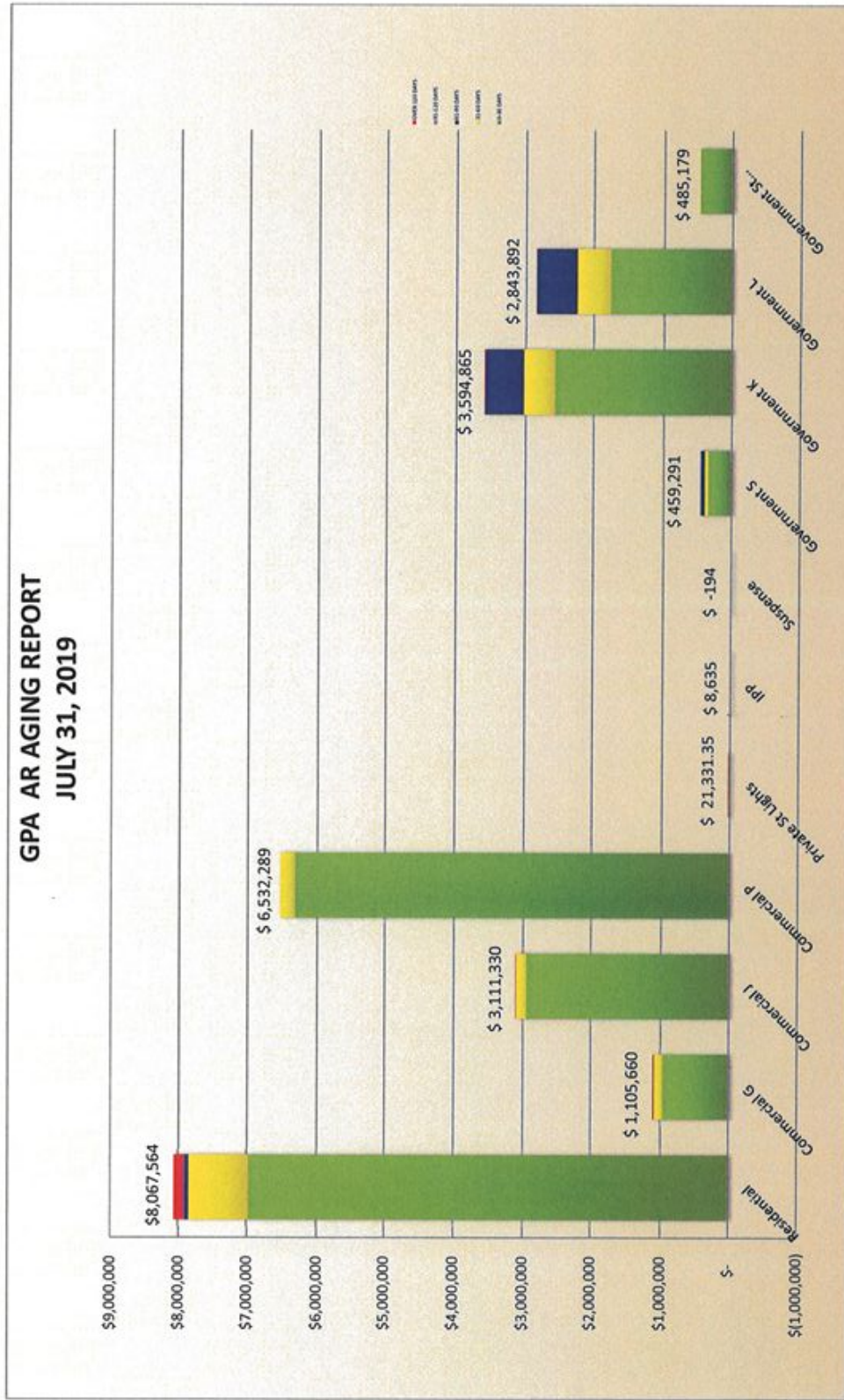
YTD REVENUES - CURRENT YEAR VS PRIOR YEAR					MTD REVENUES - CURRENT YEAR VS PRIOR YEAR				
ACTUALS - 10 MONTHS ENDED JULY 31					ACTUALS - MONTH ENDED JULY 31				
	2019	2018	VARIANCE	% VARIANCE	2019	2018	VARIANCE	% VARIANCE	
KWH									
Residential	415,074,061	418,390,923	(3,316,862)	-0.79%	45,512,584	41,361,122	4,151,462	10.04%	
Small General-Non-Demand	65,775,705	68,553,439	(2,777,734)	-4.05%	6,192,199	6,743,157	(550,958)	-8.17%	
Small General-Demand	155,058,999	155,303,386	(244,387)	-0.16%	17,132,421	15,161,689	1,970,732	13.00%	
Large	250,977,075	259,070,026	(8,092,952)	-3.12%	25,960,590	25,339,577	621,014	2.45%	
Independent Power Producers	318,747	419,755	(101,008)	-24.06%	34,342	30,088	4,255	14.14%	
Private St. Lites	329,425	334,612	(5,187)	-1.55%	31,882	34,288	(2,406)	-7.02%	
Sub-total	887,534,012	902,072,142	(14,538,130)	-1.61%	94,864,018	88,669,920	6,194,098	6.99%	
Government									
Small_Non Demand	11,244,364	12,031,467	(787,103)	-6.54%	745,870	1,128,046	(382,176)	-33.88%	
Small-Demand	80,403,644	78,222,446	2,181,198	2.79%	8,806,768	7,182,975	1,623,793	22.61%	
Large	59,627,703	62,597,150	(2,969,447)	-4.74%	6,026,050	5,707,305	318,745	5.58%	
Public St. Lites	7,665,407	7,468,888	196,518	2.63%	763,574	903,135	(139,562)	-15.45%	
Sub-total	158,941,118	160,319,952	(1,378,834)	-0.86%	16,342,261	14,921,461	1,420,801	9.52%	
Total-Civilian	1,046,475,130	1,062,392,094	(15,916,965)	-1.50%	111,206,280	103,591,381	7,614,899	7.35%	
USN	261,374,670	258,377,165	2,997,505	1.16%	27,997,548	25,089,942	2,907,606	11.59%	
Grand Total	1,307,849,800	1,320,769,259	(12,919,460)	-0.98%	139,203,828	128,681,323	10,522,504	8.18%	
Non-Oil Yield									
Residential	0.096287	0.096195	0.000092	0.10%	0.096194	0.096717	-0.000523	-0.54%	
Small General-Non-Demand	0.138173	0.136725	0.001448	1.06%	0.142256	0.138711	0.003545	2.56%	
Small General-Demand	0.119741	0.119735	0.000005	0.00%	0.118135	0.121615	-0.003480	-2.86%	
Large	0.103832	0.103647	0.000185	0.18%	0.101073	0.103339	-0.002266	-2.19%	
Independent Power Producers	0.124757	0.113770	0.010986	9.66%	0.093759	0.171053	-0.077295	-45.19%	
Private St. Lites	0.629103	0.629012	0.000091	0.01%	0.642824	0.612850	0.029974	4.89%	
Sub-total	0.105830	0.105674	0.000157	0.15%	0.104681	0.106285	-0.001604	-1.51%	
Government									
Small_Non Demand	0.151271	0.150250	0.001021	0.68%	0.161668	0.150529	0.011140	7.40%	
Small-Demand	0.133217	0.134310	-0.001093	-0.81%	0.129000	0.135525	-0.006525	-4.81%	
Large	0.124967	0.127286	-0.002319	-1.82%	0.122431	0.129702	-0.007272	-5.61%	
Public St. Lites	0.476450	0.475210	0.001241	0.26%	0.477605	0.475173	0.002432	0.51%	
Sub-total	0.147953	0.148645	-0.000692	-0.47%	0.144357	0.154990	-0.010633	-6.86%	
Total-Civilian	0.112228	0.112158	0.000070	0.06%	0.110512	0.113301	-0.002789	-2.46%	
USN	0.064096	0.062312	0.001784	2.86%	0.059324	0.068124	-0.008800	-12.92%	
Grand Total	0.102609	0.102407	0.000202	0.20%	0.100217	0.104492	-0.004276	-4.09%	
Non-Oil Revenues									
Residential	39,966,113	40,246,967	(280,855)	-0.70%	4,378,039	4,000,341	377,698	9.44%	
Small General-Non-Demand	9,088,407	9,372,976	(284,569)	-3.04%	880,879	935,351	(54,472)	-5.82%	
Small General-Demand	18,566,850	18,595,284	(28,435)	-0.15%	2,023,940	1,843,889	180,051	9.76%	
Large	26,059,548	26,851,829	(792,281)	-2.95%	2,623,916	2,618,565	5,351	0.20%	
Independent Power Producers	39,766	47,758	(7,990)	-16.73%	3,220	5,147	(1,927)	-37.44%	
Private St. Lites	207,242	210,475	(3,233)	-1.54%	20,495	21,013	(519)	-2.47%	
Sub-total	93,927,925	95,325,287	(1,397,362)	-1.47%	9,930,488	9,424,306	506,182	5.37%	
Government									
Small_Non Demand	1,700,948	1,807,725	(106,777)	-5.91%	120,584	169,803	(49,220)	-28.99%	
Small-Demand	10,711,112	10,506,055	205,057	1.95%	1,136,077	973,474	162,603	16.70%	
Large	7,451,497	7,967,732	(516,235)	-6.48%	737,774	740,250	(2,476)	-0.33%	
Public St. Lites	3,652,186	3,549,287	102,899	2.90%	364,686	429,146	(64,459)	-15.02%	
Sub-total	23,515,743	23,830,800	(315,057)	-1.32%	2,359,121	2,312,874	46,248	2.01%	
Total-Civilian	117,443,668	119,156,087	(1,712,419)	-1.44%	12,289,609	11,736,980	552,630	4.71%	
USN	16,753,002	16,099,964	653,037	4.06%	1,660,916	1,709,225	(48,309)	-2.83%	
Grand Total	134,196,670	135,256,051	(1,059,381)	-0.78%	13,950,526	13,446,204	504,321	3.75%	
% of Total Revenues									
Oil Revenues									
Residential	64,021,853	58,269,310	5,752,543	9.87%	7,019,952	6,379,622	640,330	10.04%	
Small General-Non-Demand	10,145,376	9,549,895	595,481	6.24%	955,097	1,040,078	(84,981)	-8.17%	
Small General-Demand	23,906,186	21,573,539	2,332,647	10.81%	2,641,349	2,337,734	303,615	12.99%	
Large	38,528,911	35,469,236	3,059,675	8.63%	3,983,802	3,892,141	91,661	2.36%	
Independent Power Producers	47,438	53,039	(5,600)	-10.56%	5,117	4,472	645	14.42%	
Private St. Lites	50,811	45,983	4,828	10.50%	4,918	5,289	(371)	-7.02%	
Sub-total	136,706,576	124,961,002	11,739,574	9.39%	14,610,235	13,659,337	950,898	6.96%	
Government									
Small_Non Demand	1,734,353	1,647,819	86,535	5.25%	115,044	173,992	(58,948)	-33.88%	
Small-Demand	12,401,619	10,716,015	1,685,604	15.73%	1,358,373	1,107,916	250,457	22.61%	
Large	9,085,651	8,470,800	614,850	7.26%	917,656	868,923	48,734	5.61%	
Public St. Lites	1,182,328	1,031,526	150,802	14.62%	117,775	139,301	(21,526)	-15.45%	
Sub-total	24,403,950	21,866,160	2,537,791	11.61%	2,508,850	2,290,132	218,717	9.55%	
Total-Civilian	161,104,527	146,827,162	14,277,365	9.72%	17,119,084	15,949,469	1,169,615	7.33%	
USN	38,498,271	32,504,347	5,993,925	18.44%	3,962,819	3,507,969	454,850	12.97%	
Grand Total	199,602,798	179,331,508	20,271,290	11.30%	21,081,903	19,457,438	1,624,465	8.35%	
% of Total Revenues									
Grand Total									
Residential	103,987,966	98,516,278	5,471,688	5.55%	11,397,991	10,379,963	1,018,028	9.81%	
Small General-Non-Demand	19,233,783	18,922,871	310,912	1.64%	1,835,976	1,975,429	(139,453)	-7.06%	
Small General-Demand	42,473,035	40,168,823	2,304,212	5.74%	4,665,289	4,181,623	483,666	11.57%	
Large	64,588,460	62,321,065	2,267,394	3.64%	6,607,718	6,510,707	97,011	1.49%	
Independent Power Producers	87,204	100,794	(13,590)	-13.48%	8,337	9,619	(1,282)	-13.33%	
Private St. Lites	258,054	256,458	1,596	0.62%	25,412	26,302	(890)	-3.38%	
Sub-total	230,628,502	220,286,289	10,342,212	4.69%	24,540,723	23,083,643	1,457,080	6.31%	
Government									
Small_Non Demand	3,435,301	3,455,544	(20,243)	-0.59%	235,628	343,795	(108,167)	-31.46%	
Small-Demand	23,112,731	21,222,070	1,890,660	8.91%	2,494,451	2,081,391	413,060	19.85%	
Large	16,537,147	16,438,532	98,615	0.60%	1,655,430	1,609,173	46,257	2.87%	
Public St. Lites	4,834,514	4,580,813	253,701	5.54%	482,461	568,447	(85,985)	-15.13%	
Sub-total	47,919,693	45,696,960	2,222,734	4.86%	4,867,971	4,602,806	265,165	5.76%	
Total-Civilian	278,548,195	265,983,249	12,564,946	4.72%	29,408,694	27,686,449	1,722,245	6.22%	
USN	55,251,273	48,604,311	6,646,962	13.68%	5,623,735	5,217,194	406,541	7.79%	
Grand Total	333,799,468	314,587,559	19,211,908	6.11%	35,032,429	32,903,643	2,128,786	6.47%	











GPA Work Session - September 19, 2019 - DIVISION REPORTS

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
Billing as of 08/31/2019 and Payments as of 09/17/2019

Current (08/19 Billing due 09/30/19)
 30 days Arrears (7/31/19 due 08/31/19)
 60 days and over Arrears (6/19 billing due 7/31/19)

CC&B ACCT NUMBER	CC&B New Acct Number	DEPARTMENT	CC&B BALANCE 07/31/2019	CANCEL/REBILL/ SPEC CHARGE 08/17/2019	BILLING 08/31/2019	PAYMENT UP TO 09/17/2019	CC&B BALANCE 08/17/2019
Line Agencies							
0237100000	1073430238	Dept. of Corrections	91,076.15		79,195.81	(91,077.26)	79,194.70
0437100000	0040515913	Dept. of Parks & Rec.	47,520.98	164.73	20,948.01	(47,541.46)	21,092.26
0537100000	0453170939	Guam Fire Department	18,952.74		16,762.14	(18,952.74)	16,762.14
6995000000	8564647941	DOA Supply Mgmt (NET METERED)	1,668.66	12.51	1,474.87	(1,668.66)	1,487.38
7895000000	4211873236	Dept. of Administration	4,020.67	30.16	3,450.74	(4,020.67)	3,480.90
1337100000	4554808900	Nieves Flores Library	11,539.59		11,275.40	(11,539.97)	11,275.02
2206200000	9541109130	General Services Agency	521.60	1.98	272.57	(257.29)	538.86
2237100000	1621790133	DOA-Data Processing	9,952.21	74.64	8,908.39	(9,952.21)	8,983.03
2337100000	1896187753	Dept. of PH&SS	71,124.76		66,720.51	(71,125.49)	66,719.78
3237100000	7252821074	Dept. of Education	3,291,102.55	14,984.80	1,080,663.14	(3,291,253.44)	1,095,497.05
3337100000	0266069082	Guam Police Department	57,292.35		50,007.10	(57,293.46)	50,005.99
3569100000	6069461950	Dept of Youth Affairs (Federal)	939.13		668.84	(939.13)	668.84
4437100000	2913461537	Dept. of Youth Affairs* (Local)	12,925.90		11,885.59	(12,928.04)	11,883.45
4737100000	3404311949	Guam Environmental Protect	14,249.99		7,002.11	(14,250.87)	7,001.23
5437100000	3227759982	Mental Health/Subst.	53,967.05	397.46	47,903.17	(53,967.05)	48,300.63
	6841080463	Guam Behavioral Health & Wellness		25.19	1,508.59		1,533.78
7200300000	0070861777	Veteran Affairs	2,260.45	20.16	2,279.47	(2,260.45)	2,299.63
	6243861917	Guam Veterans Affairs Office	1,520.47	(1,521.47)	1,521.47	(1,520.47)	-
7437100000	8300435373	Civil Defense (Military Affairs)	24,337.22	182.53	11,123.10		35,642.85
7463300000	7813156805	Pacific Energy Resource Center	686.15		723.57	(686.15)	723.57
8137100000	1595188609	Dept. of Agriculture	10,805.85		9,678.56	(10,806.19)	9,678.22
8337100000	2535590089	DPW-FAC Adm Account	33,526.62		30,504.22	(33,526.62)	30,504.22
8437100000	7928924534	Guam Visitors Bureau	4,779.14		4,357.77	(9,136.91)	-
8446300000	7663706771	Yona Senior Citizen Center	1,157.33		1,001.84	(1,157.33)	1,001.84
9437100000	4129948191	Dept of Chamorro Affairs/Chamorro Village	3,917.54		3,423.96	(3,917.54)	3,423.96
	3558733700	Dept of Chamorro Affairs/Chamorro Village (NET METERED)	954.95		140.85	(954.95)	140.85
5247210000	5247210000	Mayors Council	11,352.96	2,077.68	7,939.61	(11,352.96)	10,017.29
6293410000	6293410000	Office of the Governor	30,406.31	1,805.38	24,698.44	(25,060.80)	31,849.33
855858369	855858369	Dept of Chamorro Affairs (Guam Museum)	24,590.68	184.43	22,338.85		47,113.96
	1099514147	Dept of Chamorro Affairs/Repository	307.93	2.31	290.83		601.07
Sub Total			3,837,457.93	18,442.49	1,528,669.52	(3,787,148.11)	1,597,421.83
MAYORS							
0637100000	3832327736	Santa Rita Mayor	4,173.93		3,693.27	(4,173.93)	3,693.27
0737100000	9351070242	Ordof/Chalan Pago Mayor	1,996.11		1,120.72	(1,996.11)	1,120.72
1537100000	6393530237	Hagatna Mayor	916.42		772.17	(916.42)	772.17
1637100000	3293808984	Piti Mayor	1,797.95		1,501.91	(1,798.33)	1,501.53
1737100000	8715052935	Mongmong/Toto/Maite Mayor	1,892.07		1,733.86	(1,894.27)	1,731.66
2637100000	0492244686	Asan/Maina/Adelup Mayor	810.88		621.70	(810.88)	621.70
2737100000	8433959204	Sinajana Mayor	5,793.69		4,330.88	(5,793.69)	4,330.88
3637100000	8041715847	Dededo Mayor	7,664.32		6,738.18	(7,664.32)	6,738.18
4637100000	7037924246	Yigo Mayor	5,555.59		4,492.53	(5,556.35)	4,491.77
5637100000	7202265287	Umatac Mayor	1,512.74		1,209.55	(1,512.74)	1,209.55
6537100000	8472200165	Agana Hts. Mayor	4,528.16		4,197.64	(4,529.90)	4,195.90
6637100000	4469579988	Merizo Mayor	1,136.01		1,081.29	(1,136.01)	1,081.29
6737100000	5763167341	Barrigada Mayors Office	3,298.17		2,452.86	(3,299.24)	2,451.79
7537100000	7247791682	Agat Mayor	3,083.24		3,151.74	(3,083.24)	3,151.74
7637100000	6078244037	Inarajan Mayor	498.14	2,406.93	2,641.49	(498.52)	5,048.04
8537100000	6957205325	Tamuning Mayor	6,945.53		6,382.99	(6,945.53)	6,382.99
8637100000	1880297633	Talofa Mayor	2,774.54	50.00	1,516.67	(2,778.98)	1,562.23
9537100000	3631627996	Mangilao Mayor	4,703.96	-	4,372.06	(4,758.93)	4,317.09
9637100000	1837525565	Yona Mayor	1,855.42	-	1,291.45	(1,855.42)	1,291.45
Sub Total			\$ 60,936.87	\$ 2,456.93	\$ 53,302.96	\$ (61,002.81)	\$ 55,693.95
DPW ACCOUNTS							
4337100000	3045433600	DPW-Village St. Lights	366,026.71	2,746.50	382,056.59	(366,026.71)	384,803.09
5337100000	0930595866	DPW- Primary St. Lights	85,964.03	644.77	88,986.99	(85,964.03)	89,631.76
6337100000	3088040552	DPW-Sec/Col St. Lights	25,982.15	194.88	27,071.83	(26,259.36)	26,989.50
7337100000	0832698062	DPW-Signal Lights	11,213.24		10,069.96	(11,213.24)	10,169.96
Sub Total			\$ 489,186.13	\$ 3,686.15	\$ 508,185.37	\$ (489,463.34)	\$ 511,594.31
(B) AUTONOMOUS/PUBLIC CORP							
1437100000	1540692986	Retirement Fund	7,294.53		6,519.48	(13,814.01)	-
1915500000	0563872892	Guam Housing Corp Rental Division	1,443.75	273.98	1,102.87	(1,496.26)	1,324.34
2437100000	5434075703	University of Guam	199,703.78		178,700.11	(378,403.89)	-
4237100000	7736362694	Guam Airport Authority	550,179.93		554,157.00	(550,197.04)	554,139.89
5357510000	5357510000	University of Guam (NET METERED)	87,485.59		79,647.30	(167,132.89)	-
6237100000	1699407298	G H U R A	17,180.42	97.30	26,445.69	(28,821.98)	14,901.43
6437100000	6518220019	Guam Community College	58,144.72		54,342.15	(58,146.40)	54,340.47
7237100000	8302337726	Guam Memorial Hospital	42,866.41		38,741.33	(42,866.41)	38,741.33
8426836906	8426836906	Guam Memorial Hospital (NET METERED)	155,382.99	-	160,974.89	(155,382.99)	160,974.89
9137100000	4474308144	Port Authority of Guam	104,709.47	2,440.94	94,220.71	(201,371.12)	-
9157510000	9157510000	Guam Community College (NET METERED)	39,127.99		36,636.20	(39,127.99)	36,636.20
9173210000	9173210000	Guam Solid Waste Authority	7,118.26		6,988.43	(7,118.26)	6,988.43
9337100000	0838495949	Guam Waterworks Authority	1,465,875.51	49.39	1,379,553.85	(1,466,093.64)	1,379,385.11
8237100000	4075914809	GPA	-	(97,864.34)	97,864.34	-	-
	9699497595	GUAM POWER AUTHORITY - WAKE ST LT	221.44	-	-	-	221.44
Sub Total			\$ 2,736,734.79	\$ (95,002.73)	\$ 2,715,894.35	\$ (3,109,972.88)	\$ 2,247,653.53
(C) OTHERS							
0337100000	7541928173	Guam Legislature	458.39		381.85	(840.24)	-
9503154359	9503154359	Guam Legislature (NET METERED)	9,327.84		8,477.87	(17,805.71)	-
1237100000	8353274954	Superior Court of Guam	72,405.51		67,984.81	(72,405.51)	67,984.81
2537100000	8108458168	Guam Post Office (Agana)	7,212.11		6,502.62	(13,714.73)	-
2570200000	8972267005	Customs & Quarantine Agency	751.15		610.75	(751.15)	610.75
3537100000	4530787043	U.S. Post Office	45,603.49		39,126.15	(84,729.64)	-
5537100000	8607446612	Dept. of Military Affairs	88,127.44		78,575.29	(88,127.44)	78,575.29
3209463043	3209463043	Dept. of Military Affairs (NET METERED)	18,756.75		17,822.37	(18,756.75)	17,822.37
5737100000	6000770566	KGTF	7,618.12	57.13	6,702.52		14,377.77
7281000000	6602566745	Tamuning Post Office	5,548.69		4,996.24	(10,544.93)	-
Sub Total			\$ 255,809.49	\$ 57.13	\$ 231,180.47	\$ (307,676.10)	\$ 179,370.99

\$ 7,380,125.21 \$ (70,360.03) \$ 5,037,232.67 \$ (7,755,263.24) \$ 4,591,734.61